

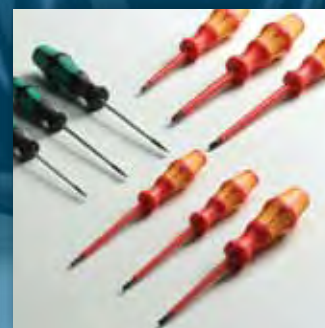
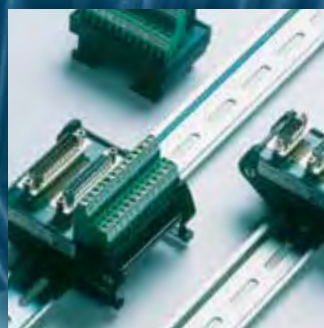
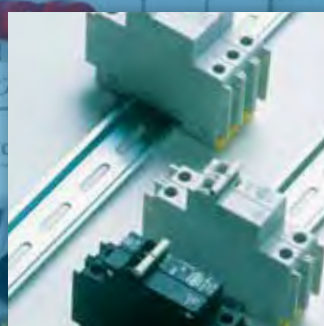


# AMERICAN ELECTRICAL, INC. FULL LINE CATALOG

FOURTH EDITION

CONNECTION, POWER, & PROTECTION...FOR LESS

THINK *INSIDE* THE BOX





## COMPANY HISTORY

AMERICAN ELECTRICAL, INC. WAS FOUNDED IN 1997 BY THOMAS MCCORMICK, FORMER VICE PRESIDENT OF SALES FOR WEIDMULLER, INC. THE COMPANY CONCEPT WAS BORN OVER LUNCH WITH FELLOW ASSOCIATES LITERALLY ON A NAPKIN. AMERICAN ELECTRICAL, INC. WAS DEVELOPED WITH A SPECIAL GERMAN SUPPLIER RELATIONSHIP – WHO AFTER A BUSINESS MEETING PROVIDED MCCORMICK WITH A PRICE LIST AND A HANDSHAKE. THE COMPANY FLOURISHED DUE TO STRONG FRIENDSHIPS, BUSINESS RELATIONSHIPS, AND PEOPLE WHO WERE UNAFRAID TO HELP A NEW ORGANIZATION GROW. MCCORMICK WILL NEVER FORGET THOSE SPECIAL PEOPLE AND DISTRIBUTORS WHO FIRST HELPED HIM GET STARTED – THANK YOU.

MCCORMICK DREAMED OF A COMPANY THAT RESPONDED QUICKLY, SHIPPED ON TIME AND PROVIDED QUALITY PRODUCTS AT A GREAT PRICE. HE ENVISIONED A WORKPLACE THAT WAS NOT COMPARTMENTALIZED, ONE WHERE EACH PERSON COULD BE RESPONSIBLE FOR THE CUSTOMER THROUGHOUT THE ENTIRE SPECIFICATION/ORDER CHAIN. HE FELT THE SATISFACTION OF THE EMPLOYEES WOULD CREATE A POWERFUL CUSTOMER SERVICE ENTITY WHICH IN RETURN WOULD CREATE CUSTOMER LOYALTY.

MCCORMICK BUILT THE PRODUCT LINES OFFERED BY PARTNERING WITH COMPANIES WHO SPECIALIZED IN A PRODUCT AREA BUT WERE SMALLER IN SCOPE – THE BUSINESSES THAT WERE LOOKING TO BREAK INTO THE U.S. INDUSTRIAL MARKET, BUT WITH NO INTENTIONS OF PUTTING UP BRICK AND MORTAR. TODAY, AMERICAN ELECTRICAL, INC. HAS 12 PRODUCT LINES AND IS STILL GROWING. OUR DEDICATED EMPLOYEES ALL WORK HARD TO SERVE OUR VALUED CUSTOMERS – HELPING THEM TO “THINK INSIDE THE BOX.”



## QUALITY STATEMENT

AMERICAN ELECTRICAL, INC. IS A SUPPLIER OF HIGH QUALITY INDUSTRIAL ELECTRICAL COMPONENTS. ALL OF OUR PRODUCTS ARE MANUFACTURED IN ACCORDANCE TO INTERNATIONAL STANDARDS, SUCH AS UL, CSA, CE AND MORE.

### **RoHS** (EU DIRECTIVE 2002/95/EC):

WE CERTIFY ALL OF OUR PRODUCTS COMPLY WITH THE RoHS DIRECTIVE OF JANUARY 27, 2003. ALL PRODUCT LINES ARE FREE OF BANNED SUBSTANCES TO INCLUDE LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM, PBB AND PBDE.





## OUR CORE BELIEFS

WE HAVE AN ACRONYM WE CALL “FAST” THAT HAS BOTH A TRUE AND UNDERLYING MEANING. OF COURSE THE UNDERLYING MESSAGE TO OUR CUSTOMERS IS THAT WE TRY TO DO THINGS AS QUICKLY AS POSSIBLE. WHETHER THAT’S A QUOTATION, PRICE CHECK, AVAILABILITY QUESTION, SHIPPING OR INFORMATION REQUEST – WE DO IT NOW – WE KNOW AND UNDERSTAND THAT THERE ARE EAGER CUSTOMERS OR POTENTIAL CUSTOMERS WAITING ON US AND THEIR TIME IS AS VALUABLE AS OURS.

OUR WORD FAST ALSO HAS A DEFINITIVE MEANING:

**F** – TO BE FLEXIBLE IN OUR ABILITY TO SERVE THE CUSTOMER, TO BE ABLE TO EFFECTIVELY WEAR THE DIFFERENT “HATS” THAT ARE REQUIRED IN A SMALLER ORGANIZATION AND TO HAVE THE CUSTOMERS’ SERVICE ISSUES IN MIND AT ALL TIMES.

**A** – TO BE ACCURATE IN EVERYTHING WE DO – FROM SPECIFICATION TO DELIVERY. WE UNDERSTAND THE CONSEQUENCES OF MISTAKES AND THE DOMINO EFFECT THEY CAN HAVE ON THE PRACTICES OF OUR CUSTOMERS AND OUR COMBINED BUSINESSES. MISTAKES COST MONEY AND TIME. WE SEEK THE PROPER TRAINING TO INSURE THAT WE FOLLOW THE CORRECT PROCEDURES AND HAVE THE PRODUCT KNOWLEDGE NECESSARY TO BE CORRECT. WE KNOW THAT WE NEED TO DO IT RIGHT ALL THE TIME TO ELIMINATE THE NECESSITY TO DO IT OVER.

**S** – TO ACT WITH SPEED IN ALL THAT WE DO. WE KNOW THE CUSTOMER WAITS FOR OUR RESPONSE OR OUR PRODUCTS AND WE DO NOT NEED TO WASTE THAT TIME – FOR WE UNDERSTAND THAT TIME IS MONEY. WE WANT TO BE ABLE TO SHIP TODAY, QUOTE AND SPECIFY NOW, FAX IMMEDIATELY, CONFIRM ORDERS ON RECEIPT – RESPOND NOW. FOR WE KNOW THAT THIS WILL WIN OUR CUSTOMERS’ SUPPORT, FUTURE BUSINESS AND TRUST.

**T** – TO ACT AS A TEAM SO THAT OUR EFFORT IS MULTIPLIED TO PRODUCE A MUCH GREATER RESULT FOR OUR CUSTOMERS. TO HAVE THE POSITIVE ATTITUDE THAT IS SO COMMON IN WINNERS. THE UNDERSTANDING THAT PEOPLE WANT TO BE WINNERS AND WORK WITH WINNERS – WITH PEOPLE WHO ARE SUCCESSFUL NOT ONLY IN WHAT THEY DO BUT HOW THEY WORK TOGETHER. WE ARE A TEAM WHO ACTS AS ONE ON BEHALF OF OUR DEDICATED CUSTOMERS, WHOM WE WOULD BE NOTHING WITHOUT.





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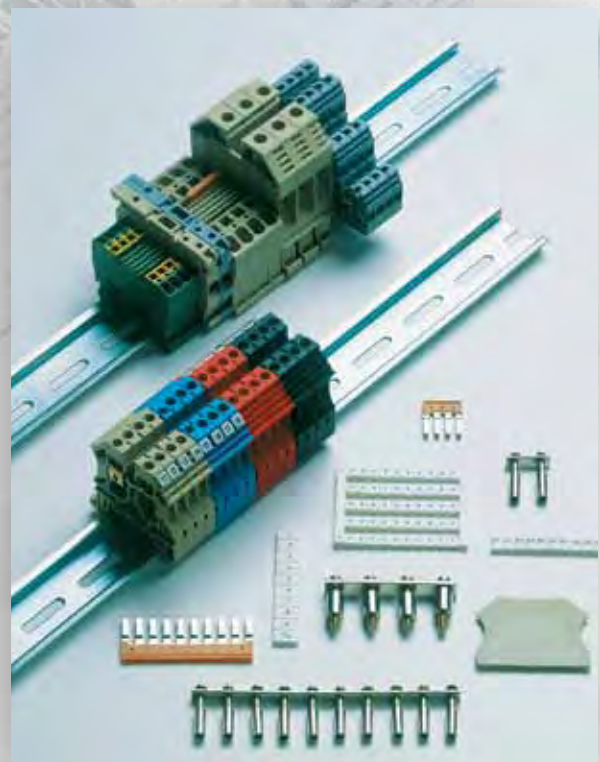
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## DIN RAIL MOUNTED TERMINAL BLOCKS

AMERICAN ELECTRICAL OFFERS THE KLEMSAN LINE TERMINAL BLOCKS – SAVING TIME, SPACE, AND MONEY. THE TERMINAL BLOCKS ARE DIN RAIL MOUNTABLE AND CAN BE INSTALLED INTO VARIOUS CONFIGURATIONS QUICKLY. KLEMSAN HAS OVER 35 YEARS OF TERMINAL BLOCK HISTORY WITH ALL INTERNATIONAL APPROVALS. AMERICAN ELECTRICAL AND KLEMSAN PARTNERED IN 2002 TO BE THE FIRST AND ONLY SUPPLIER OF KLEMSAN TERMINAL BLOCKS IN THE UNITED STATES.

DIN RAIL MOUNTED TERMINAL BLOCKS ARE USED WORLDWIDE. OUR TERMINAL BLOCKS ARE USED IN ANY MACHINE OR PROCESS CONTROL INTERFACE APPLICATION.





## MATERIALS AND FUNCTION

**HOUSINGS** – THE PLASTIC HOUSING HOLDING THE METALLIC SCREWS AND CLAMPS IS MADE OF UL 94 V2 (105 DEGREE C) THERMOPLASTIC POLYAMIDE 6.6. THIS PLASTIC AND ITS CERTIFICATION ALLOW OPERATION RATED AT 600V, PROVIDING AMPLE DIELECTRIC STRENGTH FOR ANY INDUSTRIAL APPLICATION.

**CLAMPS (MADE OF STEEL)** – STEEL IS ONE OF THE STRONGEST MATERIALS AVAILABLE FOR ITS VALUE. THE CLAMPS ARE ZINC PLATED TO GUARD AGAINST CORROSION. WHEN PROPERLY TORQUED, THE CLAMP IS DESIGNED TO SELF-LOCK.

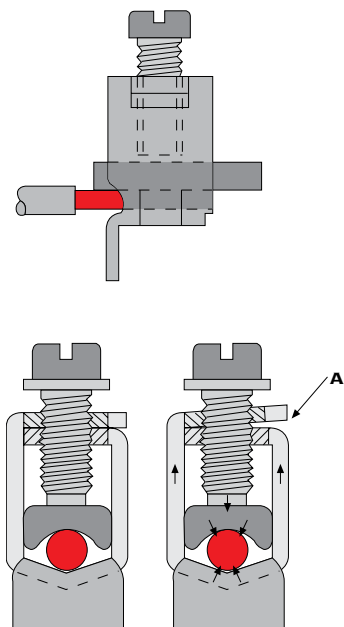
**SCREWS** – MADE OF STEEL AS WELL, THE SCREWS ACT AS A SYSTEM WITH THE CLAMPS – THIS SYSTEM REQUIRES THE SAME MATERIALS FOR EACH COMPONENT. THE SCREWS LIFT AND HELP TO SELF-LOCK THE CLAMPS PROVIDING A DOWNWARD FORCE ONTO THE CONDUCTORS. THE SCREWS ARE ALSO PLATED WITH A ZINC FINISH TO PREVENT ANY FORM OF CORROSION.

## CONNECTION TYPES

### SCREW CONNECTION

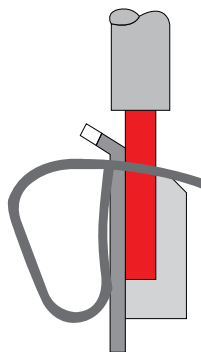
THIS IS THE MOST POPULAR OF ALL KNOWN CONNECTION METHODS. SCREW CONNECTION REFERS TO ANY CONNECTION IN WHICH THE CONDUCTOR IS STRIPPED OF ITS INSULATION AND CLAMPED WITHOUT ANY PREPARATION.

WHEN THE SCREW IS TIGHTENED, THE PRESSURE PULLS APART BOTH HALVES OF THE CLAMPING YOKE. THIS GENERATES A HIGH LOCKING ACTION ON THE SCREW AND PROVIDES EXCELLENT VIBRATION RESISTANCE.



### TENSION CLAMP SYSTEM

TENSION CLAMP CONNECTION ALLOWS THE CONDUCTOR TO BE PRESSED DIRECTLY AGAINST THE CURRENT BAR. THE CLAMP IS OPENED WITH A SCREWDRIVER ALLOWING THE INSERTION OF THE CONDUCTOR.



## ACCESSORIES



**END PLATE** – TERMINAL BLOCKS ARE MANUFACTURED WITH ONE OPEN END ALLOWING SIDE BY SIDE PLACEMENT. AN END PLATE IS NECESSARY FOR THE LAST TERMINAL BLOCK IN THE ASSEMBLY ENABLING FULL ENCLOSURE.



**PARTITION** – THE PARTITION ALLOWS VISUAL SEPARATION OF CIRCUITS AND FOR ELECTRICAL SEPARATION DUE TO ADJACENT CROSS CONNECTIONS.



**END BRACKET** – TO PREVENT TERMINAL BLOCKS FROM FALLING OFF THE DIN RAIL, THEY MUST BE SECURED ON EACH SIDE. THIS IS ACCOMPLISHED WITH END BRACKETS SCREWED ONTO THE RAIL. TWO END BRACKETS ARE NECESSARY – ONE ON EACH SIDE OF THE CONTINUOUS ASSEMBLY DESIGNED.



**CROSS CONNECTIONS** – CROSS CONNECTIONS DISTRIBUTE POTENTIALS WITHIN AN ASSEMBLY. STANDARD POLES OF 2, 3, 4, OR 10 ARE AVAILABLE TO SATISFY YOUR DESIGN REQUIREMENTS

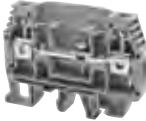
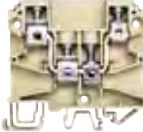
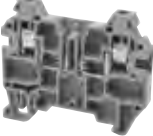
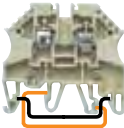


**MARKING TAG** – MARKING TAGS ARE USED FOR CIRCUIT IDENTIFICATION AND EASIER TROUBLESHOOTING. WE HAVE MANY NUMBERS AND LETTERS AVAILABLE THAT WILL MAKE YOUR DESIGNED ASSEMBLY UNIQUE. HORIZONTAL MARKERS FOR DIN RAIL MOUNTED HORIZONTALLY AND VERTICAL FOR ASSEMBLIES MOUNTED VERTICALLY.

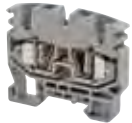
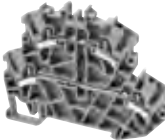
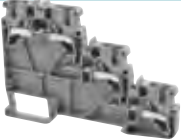
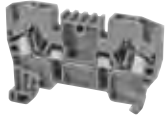




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AVK TYPE TERMINALS ARE MANUFACTURED FROM THERMOPLASTIC RAW MATERIAL. GREY BEING THE MAIN COLOR, FIVE DIFFERENT COLORS GIVE USERS ADDITIONAL CHOICES FOR VISUAL SEPARATION OF CONTROL CIRCUITS AND/OR VOLTAGE LEVELS.

| COLORS | TERMINALS      | END PLATE   | PARTITION   |
|--------|----------------|-------------|-------------|
|        | PART NUMBER    | PART NUMBER | PART NUMBER |
|        | <b>AVK 2.5</b> | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 120        | 444 120     | 462 120     |
| BLUE   | 304 121        | 444 121     | 462 121     |
| GREEN  | 304 122        | 444 122     | 462 122     |
| YELLOW | 304 123        | 444 123     | 462 123     |
| RED    | 304 124        | 444 124     | 462 124     |
| BEIGE  | 304 129        | 444 129     | 462 129     |
|        |                |             |             |
|        | <b>AVK 4</b>   | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 130        | 444 120     | 462 120     |
| BLUE   | 304 131        | 444 121     | 462 121     |
| GREEN  | 304 132        | 444 122     | 462 122     |
| YELLOW | 304 133        | 444 123     | 462 123     |
| RED    | 304 134        | 444 124     | 462 124     |
| BEIGE  | 304 139        | 444 129     | 462 129     |
|        |                |             |             |
|        | <b>AVK 6</b>   | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 140        | 444 120     | 462 120     |
| BLUE   | 304 141        | 444 121     | 462 121     |
| GREEN  | 304 142        | 444 122     | 462 122     |
| YELLOW | 304 143        | 444 123     | 462 123     |
| RED    | 304 144        | 444 124     | 462 124     |
| BEIGE  | 304 149        | 444 129     | 462 129     |
|        |                |             |             |
|        | <b>AVK 10</b>  | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 150        | 444 120     | 462 120     |
| BLUE   | 304 151        | 444 121     | 462 121     |
| GREEN  | 304 152        | 444 122     | 462 122     |
| YELLOW | 304 153        | 444 123     | 462 123     |
| RED    | 304 154        | 444 124     | 462 124     |
| BEIGE  | 304 159        | 444 129     | 462 129     |

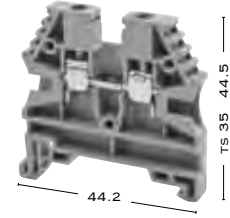
## AVK SERIES

### FEED-THROUGH TERMINAL BLOCKS AND ACCESSORIES



## AVK 2.5

WIDTH 5 MM  
304 120



TORQUE: 0.4 NM

#### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-1)  
VDE / VDE (IEC 60947-7-1)  
UL / CSA  
ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED

TS 35X15 SOLID  
TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM  
POLYAMIDE 66



NPP



APP

GREY

GREY

#### SMALL PARTITION



GREY

#### CROSS CONNECTION



#### TEST PLUG-SOC. / INS. TEST SOC.

TF

ITK

T5K



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
600 V ~ / 20 A / AWG 26 - 12 (CSA: AWG 28 - 12)  
630 V ~ / 23 A

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>  
26 - 12 / 0.5 - 2.5 MM<sup>2</sup>  
10 MM / 0.4 NM (CSA: 0.5 NM)

| TYPE    | PART. No.      | QTY. |
|---------|----------------|------|
| AVK 2.5 | <b>304 120</b> | 100  |

| TYPE    | PART. No.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35X7.5  | <b>TS3575SL</b>    | 2M       |
| 35X7.5  | <b>TS3575SL1</b>   | 1M       |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35X15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35X7.5  | <b>TS3575SOL</b>   | 2M       |
| 35X15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP 2.5-10 | <b>444 120</b> | 100 |
|------------|----------------|-----|

|            |                |    |
|------------|----------------|----|
| APP 2.5-10 | <b>462 120</b> | 25 |
|------------|----------------|----|

|     |                |     |
|-----|----------------|-----|
| AD1 | <b>467 919</b> | 100 |
|-----|----------------|-----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/2 | <b>474 122</b> | 25 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/3 | <b>474 123</b> | 20 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/4 | <b>474 124</b> | 15 |
|----------|----------------|----|

|           |                |   |
|-----------|----------------|---|
| UK 2.5/10 | <b>474 129</b> | 5 |
|-----------|----------------|---|

|         |                |   |
|---------|----------------|---|
| TF (Ø2) | <b>493 020</b> | 5 |
|---------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

|                                                    |
|----------------------------------------------------|
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A |
|----------------------------------------------------|

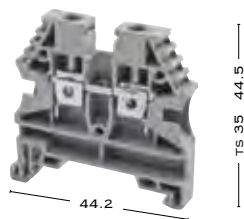
|          |
|----------|
| 8 kV / 3 |
|----------|

|        |
|--------|
| 1 / B3 |
|--------|

|           |
|-----------|
| IP 20 / - |
|-----------|

**AVK 4**

WIDTH 6 MM  
304 130



TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION                   |
|-------------------------------------------------|
| 750 V ~ / 32 A / 4 MM <sup>2</sup>              |
| 750 V ~ / 32 A / 4 MM <sup>2</sup>              |
| 600 V ~ / 30 A / AWG 26 - 10 (CSA: AWG 28 - 10) |
| 630 V ~ / 30,5 A                                |

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>  
26 - 10 / 0.5 - 4 MM<sup>2</sup>  
10 MM / 0.5 NM (CSA: 0.8 NM )

| TYPE  | PART. No.      | QTY.     |
|-------|----------------|----------|
| AVK 4 | <b>304 130</b> | 100      |
| TYPE  | PART. No.      | STD. PK. |

| SLOTTED |                    |    |
|---------|--------------------|----|
| 35x7.5  | <b>TS3575SL</b>    | 2M |
| 35x7.5  | <b>TS3575SL1</b>   | 1M |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M |
| 35x15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35x7.5  | <b>TS3575SOL</b>   | 2M |
| 35x15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP 2.5-10 | <b>444 120</b> | 100 |
|------------|----------------|-----|

|            |                |    |
|------------|----------------|----|
| APP 2.5-10 | <b>462 120</b> | 25 |
|------------|----------------|----|

|     |                |     |
|-----|----------------|-----|
| AD1 | <b>467 919</b> | 100 |
|-----|----------------|-----|

|         |                |    |
|---------|----------------|----|
| UK 4/2  | <b>474 132</b> | 25 |
| UK 4/3  | <b>474 133</b> | 20 |
| UK 4/4  | <b>474 134</b> | 15 |
| UK 4/10 | <b>474 139</b> | 5  |

|              |                |   |
|--------------|----------------|---|
| TF (Ø2.3)    | <b>493 023</b> | 5 |
| TF (Ø4)      | <b>493 040</b> | 5 |
| TSK 4 (Ø2.3) | <b>490 040</b> | 5 |
| TSK 7 (Ø4)   | <b>490 070</b> | 5 |
| ITK 28 (Ø4)  | <b>492 010</b> | 5 |

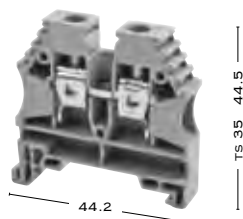
|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
| IP 2   | <b>498 140</b> | 25 |

|      |                |    |
|------|----------------|----|
| GE   | <b>496 119</b> | 50 |
| GE 2 | <b>496 250</b> | 25 |

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 41 A  
8 kV / 3  
1 / B4  
IP 20 / -

**AVK 6**

WIDTH 8 MM  
304 140



TORQUE: 0.8 NM

| VOLTAGE/CURRENT/CROSS-SECTION                       |
|-----------------------------------------------------|
| 630 V ~ / 41 A / 6 MM <sup>2</sup>                  |
| 630 V ~ / 41 A / 6 MM <sup>2</sup>                  |
| 600 V ~ / 50 A / AWG 26 - 8 (CSA: 40A / AWG 28 - 8) |
| 630 V ~ / 41 A                                      |

0.5 - 10 MM<sup>2</sup> / 0.5 - 10 MM<sup>2</sup>  
26 - 8 / 0.5 - 6 MM<sup>2</sup>  
12 MM / 0.8 NM (CSA: 1.2 NM )

| TYPE  | PART. No.      | QTY.     |
|-------|----------------|----------|
| AVK 6 | <b>304 140</b> | 100      |
| TYPE  | PART. No.      | STD. PK. |

| SLOTTED |                    |    |
|---------|--------------------|----|
| 35x7.5  | <b>TS3575SL</b>    | 2M |
| 35x7.5  | <b>TS3575SL1</b>   | 1M |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M |
| 35x15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35x7.5  | <b>TS3575SOL</b>   | 2M |
| 35x15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP 2.5-10 | <b>444 120</b> | 100 |
|------------|----------------|-----|

|            |                |    |
|------------|----------------|----|
| APP 2.5-10 | <b>462 120</b> | 25 |
|------------|----------------|----|

|     |                |     |
|-----|----------------|-----|
| AD1 | <b>467 919</b> | 100 |
|-----|----------------|-----|

|         |                |    |
|---------|----------------|----|
| UK 6/2  | <b>474 142</b> | 25 |
| UK 6/3  | <b>474 143</b> | 20 |
| UK 6/4  | <b>474 144</b> | 15 |
| UK 6/10 | <b>474 149</b> | 5  |

|              |                |   |
|--------------|----------------|---|
| TF (Ø2.3)    | <b>493 023</b> | 5 |
| TF (Ø4)      | <b>493 040</b> | 5 |
| TSK 4 (Ø2.3) | <b>490 040</b> | 5 |
| TSK 7 (Ø4)   | <b>490 070</b> | 5 |
| ITK 28 (Ø4)  | <b>492 010</b> | 5 |

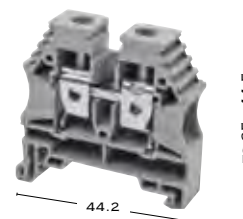
|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
| IP 2   | <b>498 140</b> | 25 |

|      |                |    |
|------|----------------|----|
| GE   | <b>496 119</b> | 50 |
| GE 2 | <b>496 250</b> | 25 |

0.2 - 10 MM<sup>2</sup> / 10 MM<sup>2</sup> / 57 A  
8 kV / 3  
1 / B5  
IP 20 / -

**AVK 10**

WIDTH 10MM  
304 150



TORQUE: 1.2 NM

| VOLTAGE/CURRENT/CROSS-SECTION       |
|-------------------------------------|
| 630 V ~ / 57 A / 10 MM <sup>2</sup> |
| 630 V ~ / 57 A / 10 MM <sup>2</sup> |
| 600 V ~ / 65 A / AWG 16 - 6         |
| 630 V ~ / 57 A                      |

1.5 - 16 MM<sup>2</sup> / 1.5 - 16 MM<sup>2</sup>  
16 - 6 / 1.5 - 10 MM<sup>2</sup>  
12 MM / 1.2 NM (CSA: 1.4 NM )

| TYPE   | PART. No.      | QTY.     |
|--------|----------------|----------|
| AVK 10 | <b>304 150</b> | 100      |
| TYPE   | PART. No.      | STD. PK. |

| SLOTTED |                    |    |
|---------|--------------------|----|
| 35x7.5  | <b>TS3575SL</b>    | 2M |
| 35x7.5  | <b>TS3575SL1</b>   | 1M |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M |
| 35x15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35x7.5  | <b>TS3575SOL</b>   | 2M |
| 35x15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP 2.5-10 | <b>444 120</b> | 100 |
|------------|----------------|-----|

|            |                |    |
|------------|----------------|----|
| APP 2.5-10 | <b>462 120</b> | 25 |
|------------|----------------|----|

|     |                |     |
|-----|----------------|-----|
| AD1 | <b>467 919</b> | 100 |
|-----|----------------|-----|

|          |                |    |
|----------|----------------|----|
| UK 10/2  | <b>474 152</b> | 25 |
| UK 10/3  | <b>474 153</b> | 20 |
| UK 10/4  | <b>474 154</b> | 15 |
| UK 10/10 | <b>474 159</b> | 5  |

|              |                |   |
|--------------|----------------|---|
| TF (Ø2.3)    | <b>493 023</b> | 5 |
| TF (Ø4)      | <b>493 040</b> | 5 |
| TSK 4 (Ø2.3) | <b>490 040</b> | 5 |
| TSK 7 (Ø4)   | <b>490 070</b> | 5 |
| ITK 28 (Ø4)  | <b>492 010</b> | 5 |

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
| IP 2   | <b>498 140</b> | 25 |

|      |                |    |
|------|----------------|----|
| GE   | <b>496 119</b> | 50 |
| GE 2 | <b>496 250</b> | 25 |

0.5 - 16 MM<sup>2</sup> / 16 MM<sup>2</sup> / 76 A  
8 kV / 3  
1 / B6  
IP 20 / -



AVK TYPE TERMINALS ARE MANUFACTURED FROM THERMOPLASTIC RAW MATERIAL. GREY BEING THE MAIN COLOR, FIVE DIFFERENT COLORS GIVE USERS ADDITIONAL CHOICES FOR VISUAL SEPARATION OF CONTROL CIRCUITS AND/OR VOLTAGE LEVELS.

| COLORS | TERMINALS         | END PLATE   | PARTITION   |
|--------|-------------------|-------------|-------------|
|        | PART NUMBER       | PART NUMBER | PART NUMBER |
|        | <b>AVK 16</b>     | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 160           | 444 120     | 462 120     |
| BLUE   | 304 161           | 444 121     | 462 121     |
| GREEN  | 304 162           | 444 122     | 462 122     |
| YELLOW | 304 163           | 444 123     | 462 123     |
| RED    | 304 164           | 444 124     | 462 124     |
| BEIGE  | 304 169           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 16 RD</b>  | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 240           | 444 120     | 462 120     |
| BLUE   | 304 241           | 444 121     | 462 121     |
| GREEN  | 304 242           | 444 122     | 462 122     |
| YELLOW | 304 243           | 444 123     | 462 123     |
| RED    | 304 244           | 444 124     | 462 124     |
| BEIGE  | 304 249           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 25 RD</b>  | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 290           | 444 120     | 462 120     |
| BLUE   | 304 291           | 444 121     | 462 121     |
| GREEN  | 304 292           | 444 122     | 462 122     |
| YELLOW | 304 293           | 444 123     | 462 123     |
| RED    | 304 294           | 444 124     | 462 124     |
| BEIGE  | 304 299           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 35 RD</b>  | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 250           | 444 120     | 462 120     |
| BLUE   | 304 251           | 444 121     | 462 121     |
| GREEN  | 304 252           | 444 122     | 462 122     |
| YELLOW | 304 253           | 444 123     | 462 123     |
| RED    | 304 254           | 444 124     | 462 124     |
| BEIGE  | 304 259           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 35 IRD</b> | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 260           | 444 120     | 462 120     |
| BLUE   | 304 261           | 444 121     | 462 121     |
| GREEN  | 304 262           | 444 122     | 462 122     |
| YELLOW | 304 263           | 444 123     | 462 123     |
| RED    | 304 264           | 444 124     | 462 124     |
| BEIGE  | 304 269           | 444 129     | 462 129     |

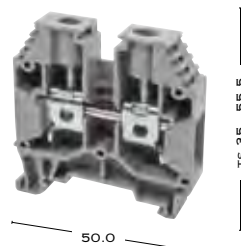
## AVK SERIES

### FEED-THROUGH TERMINAL BLOCKS AND ACCESSORIES



## AVK 16

WIDTH 12 MM  
304 160



TORQUE: 1.2 NM

#### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-1)  
VDE / VDE (IEC 60947-7-1)  
UL / CSA  
ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED

TS 35X15 SOLID  
TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



NPP/AVK 16 RD



APP/AVK 16 RD

GREY

GREY

#### SMALL PARTITION



GREY

#### CROSS CONNECTION



#### TEST PLUG-Soc. / INS. TEST Soc.



TF

ITK

T5K

#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX.CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 76 A / 16 MM<sup>2</sup>  
750 V ~ / 76 A / 16 MM<sup>2</sup>  
600 V ~ / 85 A / AWG 12-4  
630 V ~ / 71 A

1.5 - 25 MM<sup>2</sup> / 1.5 - 25 MM<sup>2</sup>  
12 - 4 / 1.5 - 16 MM<sup>2</sup>  
16 MM / 1.2 NM

| TYPE   | PART. No. | QTY. |
|--------|-----------|------|
| AVK 16 | 304 160   | 50   |

| TYPE    | PART. No.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35X7.5  | <b>TS3575SL</b>    | 2M       |
| 35X7.5  | <b>TS3575SL1</b>   | 1M       |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35X15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35X7.5  | <b>TS3575SOL</b>   | 2M       |
| 35X15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP/AVK 16 | <b>444 160</b> | 100 |
|------------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| APP/AVK 16 | <b>462 160</b> | 100 |
|------------|----------------|-----|

|          |                |    |
|----------|----------------|----|
| UK 16/2  | <b>474 162</b> | 25 |
| UK 16/3  | <b>474 163</b> | 20 |
| UK 16/4  | <b>474 164</b> | 15 |
| UK 16/10 | <b>474 169</b> | 5  |

|         |                |   |
|---------|----------------|---|
| TF (Ø4) | <b>493 040</b> | 5 |
|---------|----------------|---|

|            |                |   |
|------------|----------------|---|
| TSK 8 (Ø4) | <b>490 080</b> | 5 |
|------------|----------------|---|

|             |                |   |
|-------------|----------------|---|
| ITK 32 (Ø4) | <b>492 020</b> | 5 |
|-------------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

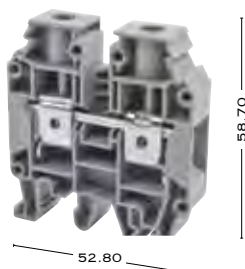
1.5 - 25 MM<sup>2</sup> / 25 MM<sup>2</sup> / 101 A

8 kV / 3

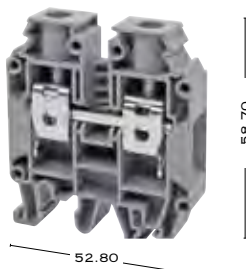
1 / B7

IP 20 / -

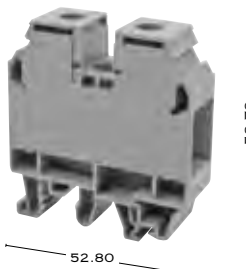


**AVK 16 RD**WIDTH 12 MM  
304 240

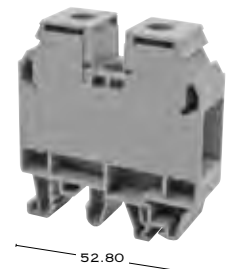
TORQUE: 1.2 NM

**AVK 25 RD**WIDTH 12 MM  
304 290

TORQUE: 1.5 NM

**AVK 35 RD**WIDTH 16 MM  
304 250

TORQUE: 2.5 NM

**AVK 35 IRD**WIDTH 16 MM  
304 260

TORQUE: 3 NM

| VOLTAGE/CURRENT/CROSS-SECTION                                        |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                                        |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                                         |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                                         |                    |          |
|----------------------------------------------------------------------|--------------------|----------|----------------------------------------------------------------------|--------------------|----------|-----------------------------------------------------------------------|--------------------|----------|-----------------------------------------------------------------------|--------------------|----------|
| 750 V ~ / 76 A / 16 MM <sup>2</sup>                                  |                    |          | 750 V ~ / 101 A / 25 MM <sup>2</sup>                                 |                    |          | 750 V ~ / 125 A / 35 MM <sup>2</sup>                                  |                    |          | 750 V ~ / 125 A / 35 MM <sup>2</sup>                                  |                    |          |
| 750 V ~ / 76 A / 16 MM <sup>2</sup>                                  |                    |          |                                                                      |                    |          | 750 V ~ / 125 A / 35 MM <sup>2</sup>                                  |                    |          |                                                                       |                    |          |
| 600 V ~ / 80 A / AWG 12-4                                            |                    |          |                                                                      |                    |          | 600 V ~ / 115 A / AWG 12 - 2                                          |                    |          | 600 V ~ / 115 A / AWG 12 - 2                                          |                    |          |
| 630 V ~ / 76 A                                                       |                    |          |                                                                      |                    |          | 630 V ~ / 125 A                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| 1.5 - 25 MM <sup>2</sup> / 1.5 - 25 MM <sup>2</sup>                  |                    |          | 1.5 - 35 MM <sup>2</sup> / 1.5 - 35 MM <sup>2</sup>                  |                    |          | 1.5 - 50 MM <sup>2</sup> / 1.5 - 35 MM <sup>2</sup>                   |                    |          | 1.5 - 50 MM <sup>2</sup> / 1.5 - 35 MM <sup>2</sup>                   |                    |          |
| 12 - 4 / 1.5 - 16 MM <sup>2</sup>                                    |                    |          | 12 - 2 / 1.5 - 16 MM <sup>2</sup>                                    |                    |          | 12 - 2 / 1.5 - 35 MM <sup>2</sup>                                     |                    |          | 12 - 2 / 1.5 - 35 MM <sup>2</sup>                                     |                    |          |
| 16 MM / 1.2 NM                                                       |                    |          | 16 MM / 1.5 NM                                                       |                    |          | 18 MM / 2.5 NM                                                        |                    |          | 18 MM / 3 NM                                                          |                    |          |
| TYPE                                                                 | PART. NO.          | QTY.     | TYPE                                                                 | PART. NO.          | QTY.     | TYPE                                                                  | PART. NO.          | QTY.     | TYPE                                                                  | PART. NO.          | QTY.     |
| AVK 16 RD                                                            | <b>304 240</b>     | 50       | AVK 25 RD                                                            | <b>304 290</b>     | 50       | AVK 35 RD                                                             | <b>304 250</b>     | 40       | AVK 35 IRD                                                            | <b>304 260</b>     | 40       |
| TYPE                                                                 | PART. NO.          | STD. PK. | TYPE                                                                 | PART. NO.          | STD. PK. | TYPE                                                                  | PART. NO.          | STD. PK. | TYPE                                                                  | PART. NO.          | STD. PK. |
| SLOTTED                                                              |                    |          | SLOTTED                                                              |                    |          | SLOTTED                                                               |                    |          | SLOTTED                                                               |                    |          |
| 35x7.5                                                               | <b>TS3575SL</b>    | 2M       | 35x7.5                                                               | <b>TS3575SL</b>    | 2M       | 35x7.5                                                                | <b>TS3575SL</b>    | 2M       | 35x7.5                                                                | <b>TS3575SL</b>    | 2M       |
| 35x7.5                                                               | <b>TS3575SL1</b>   | 1M       | 35x7.5                                                               | <b>TS3575SL1</b>   | 1M       | 35x7.5                                                                | <b>TS3575SL1</b>   | 1M       | 35x7.5                                                                | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                                               | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                                               | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                                                | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                                                | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                                                | <b>TS3515SL</b>    | 2M       | 35x15                                                                | <b>TS3515SL</b>    | 2M       | 35x15                                                                 | <b>TS3515SL</b>    | 2M       | 35x15                                                                 | <b>TS3515SL</b>    | 2M       |
| SOLID                                                                |                    |          | SOLID                                                                |                    |          | SOLID                                                                 |                    |          | SOLID                                                                 |                    |          |
| 35x7.5                                                               | <b>TS3575SOL</b>   | 2M       | 35x7.5                                                               | <b>TS3575SOL</b>   | 2M       | 35x7.5                                                                | <b>TS3575SOL</b>   | 2M       | 35x7.5                                                                | <b>TS3575SOL</b>   | 2M       |
| 35x15                                                                | <b>TS3515SOL</b>   | 2M       | 35x15                                                                | <b>TS3515SOL</b>   | 2M       | 35x15                                                                 | <b>TS3515SOL</b>   | 2M       | 35x15                                                                 | <b>TS3515SOL</b>   | 2M       |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| KD 3                                                                 | <b>495 049</b>     | 100      | KD 3                                                                 | <b>495 049</b>     | 100      | KD 3                                                                  | <b>495 049</b>     | 100      | KD 3                                                                  | <b>495 049</b>     | 100      |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| NPP/AVK 16 RD                                                        | <b>444 170</b>     | 100      | NPP/AVK 25 RD                                                        | <b>450 250</b>     | 100      | APP/AVK 35 RD                                                         | <b>462 180</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 180</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          | APP/AVK 35 RD                                                         | <b>462 181</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 181</b>     | 25       |
| APP/AVK 16 RD                                                        | <b>462 170</b>     | 25       |                                                                      |                    |          | APP/AVK 35 RD                                                         | <b>462 182</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 182</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          | APP/AVK 35 RD                                                         | <b>462 183</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 183</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          | APP/AVK 35 RD                                                         | <b>462 184</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 184</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          | APP/AVK 35 RD                                                         | <b>462 189</b>     | 25       | APP/AVK 35 IRD                                                        | <b>462 189</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| UK 16/2                                                              | <b>474 162</b>     | 25       | UK 16/2                                                              | <b>474 162</b>     | 25       | UK 35/2                                                               | <b>474 172</b>     | 25       | UK 35/2                                                               | <b>474 172</b>     | 25       |
| UK 16/3                                                              | <b>474 163</b>     | 20       | UK 16/3                                                              | <b>474 163</b>     | 20       | UK 35/3                                                               | <b>474 173</b>     | 20       | UK 35/3                                                               | <b>474 173</b>     | 20       |
| UK 16/4                                                              | <b>474 164</b>     | 15       | UK 16/4                                                              | <b>474 164</b>     | 15       | UK 35/4                                                               | <b>474 174</b>     | 15       | UK 35/4                                                               | <b>474 174</b>     | 15       |
| UK 16/10                                                             | <b>474 169</b>     | 5        | UK 16/10                                                             | <b>474 169</b>     | 5        | UK 35/10                                                              | <b>474 179</b>     | 5        | UK 35/10                                                              | <b>474 179</b>     | 5        |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| TF (Ø4)                                                              | <b>493 040</b>     | 5        | TF (Ø4)                                                              | <b>493 040</b>     | 5        | TF (Ø4)                                                               | <b>493 040</b>     | 5        | TF (Ø4)                                                               | <b>493 040</b>     | 5        |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| TSK 8 (Ø4)                                                           | <b>490 080</b>     | 5        | TSK 8 (Ø4)                                                           | <b>490 080</b>     | 5        | TSK 9 (Ø4)                                                            | <b>490 090</b>     | 5        | TSK 9 (Ø4)                                                            | <b>490 090</b>     | 5        |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| ITK 32 (Ø4)                                                          | <b>492 020</b>     | 5        | ITK 32 (Ø4)                                                          | <b>492 020</b>     | 5        |                                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| IP 2 S                                                               | <b>498 130</b>     | 25       | IP 2 S                                                               | <b>498 130</b>     | 25       | IP 2 S                                                                | <b>498 130</b>     | 25       | IP 2 S                                                                | <b>498 130</b>     | 25       |
| IP 2                                                                 | <b>498 140</b>     | 25       | IP 2                                                                 | <b>498 140</b>     | 25       | IP 2                                                                  | <b>498 140</b>     | 25       | IP 2                                                                  | <b>498 140</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| GE                                                                   | <b>496 119</b>     | 50       | GE                                                                   | <b>496 119</b>     | 50       | GE                                                                    | <b>496 119</b>     | 50       | GE                                                                    | <b>496 119</b>     | 50       |
| GE 2                                                                 | <b>496 250</b>     | 25       | GE 2                                                                 | <b>496 250</b>     | 25       | GE 2                                                                  | <b>496 250</b>     | 25       | GE 2                                                                  | <b>496 250</b>     | 25       |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |
| 1.5 MM <sup>2</sup> / 25 MM <sup>2</sup> - 25 MM <sup>2</sup> / 32 A |                    |          | 1.5 MM <sup>2</sup> / 25 MM <sup>2</sup> - 25 MM <sup>2</sup> / 32 A |                    |          | 1.5 MM <sup>2</sup> / 50 MM <sup>2</sup> - 50 MM <sup>2</sup> / 125 A |                    |          | 1.5 MM <sup>2</sup> / 50 MM <sup>2</sup> - 50 MM <sup>2</sup> / 125 A |                    |          |
| 8 kV / 3                                                             |                    |          | 8 kV / 3                                                             |                    |          | 8 kV / 3                                                              |                    |          | 8 kV / 3                                                              |                    |          |
| 1 / B7                                                               |                    |          | 1 / B7                                                               |                    |          | 1 / B9                                                                |                    |          | 1 / B9                                                                |                    |          |
| IP 20 / -                                                            |                    |          | IP 20 / -                                                            |                    |          | IP 20 / -                                                             |                    |          | IP 20 / -                                                             |                    |          |
|                                                                      |                    |          |                                                                      |                    |          |                                                                       |                    |          |                                                                       |                    |          |



## AVK T SERIES

### GROUND TERMINAL BLOCKS

THE STRICT IEC REQUIREMENT IMPOSED ON GROUND CONNECTIONS, SUCH AS LOW CONTACT RESISTANCE, CORROSION-FREE CONNECTION POINTS, SECURED SCREWS, GREEN-YELLOW COLOR CODING AND CLEAR CIRCUIT IDENTIFICATION ARE FULLY OBSERVED BY THE KLEMSAN GROUND TERMINAL BLOCKS

THE STRUCTURAL DESIGN OF THE GROUND TERMINAL BLOCK IS BASED ON MOUNTING RAILS WHEN USED NOT ONLY MECHANICALLY, BUT ALSO ELECTRICALLY. SINCE THESE TERMINAL BLOCKS ARE PROPERLY INSULATED, IT IS POSSIBLE TO POSITION THE GROUND TERMINAL BLOCK DIRECTLY NEXT TO THE CURRENT CARRYING TERMINALS.

WHEN DIN RAILS ARE MOUNTED TO METALLIC CABINETRY AND PROPERLY CONNECTED TO EARTH, THE PROPER GROUNDING PROCESS IS COMPLETE.



#### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-2)  
VDE (IEC 60947-7-1) / IEC 60947-7-2  
UL / CSA  
ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 YELLOW-GREEN

#### MOUNTING RAILS

TS 35x7.5 SOLID TS 35x15 SOLID  
TS 35x7.5 SLOTTED TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### GROUP MARKING

GE



GREY

#### TECHNICAL DATA

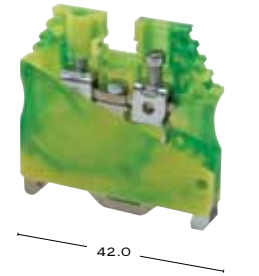
- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

## AVK 2.5 / 4T

WIDTH 6 MM  
334 120



TORQUE: 0.5 NM

#### VOLTAGE/CURRENT/CROSS-SECTION

-V~ / -A / 4MM<sup>2</sup>  
-V~ / -A / 4MM<sup>2</sup>  
-V~ / -A / AWG 26-10 (CSA: AWG 28-10)  
630 V

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

10 MM / 0.5 NM (CSA: 0.8 NM)

| TYPE        | PART. No.      | QTY. |
|-------------|----------------|------|
| AVK 2.5/4 T | <b>334 120</b> | 50   |

| TYPE    | PART. No. | STD. PK. |
|---------|-----------|----------|
| SLOTTED |           |          |

|        |                    |    |
|--------|--------------------|----|
| 35x7.5 | <b>TS3575SL</b>    | 2M |
| 35x7.5 | <b>TS3575SL1</b>   | 1M |
| 35x7.5 | <b>TS3575SL1-A</b> | 1M |
| 35x15  | <b>TS3515SL</b>    | 2M |
| SOLID  |                    |    |
| 35x7.5 | <b>TS3575SOL</b>   | 2M |
| 35x15  | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

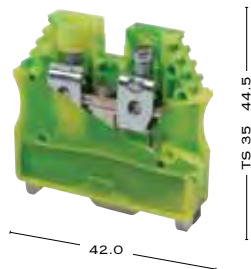
0.2 - 4 MM<sup>2</sup> / 6 MM<sup>2</sup> - ....

8 kV / 3

1 / B4

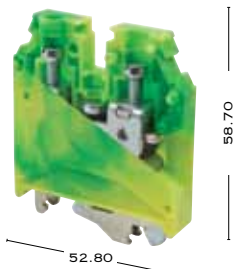
IP 20 / PE

WIDTH 10 MM  
334 140



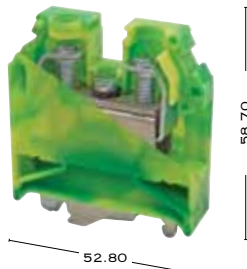
TORQUE: 1.2 NM

WIDTH 12 MM  
334 200



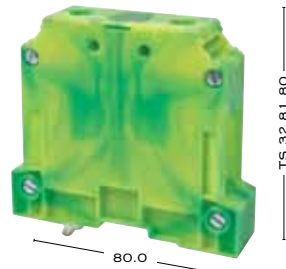
TORQUE: 1.2 NM

WIDTH 16MM  
334 210



TORQUE: 2.5 NM

WIDTH 20MM  
334 190



TORQUE: 6 NM

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## AVK RD SERIES

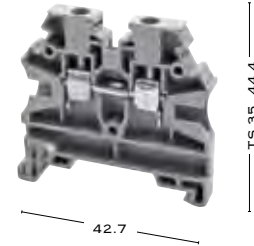
### FEED-THROUGH TERMINAL BLOCKS AND ACCESSORIES

AVK TYPE TERMINALS ARE MANUFACTURED FROM THERMOPLASTIC RAW MATERIAL. GREY BEING THE MAIN COLOR, FIVE DIFFERENT COLORS GIVE USERS ADDITIONAL CHOICES FOR VISUAL SEPARATION OF CONTROL CIRCUITS AND/OR VOLTAGE LEVELS.

| COLORS | TERMINALS         | END PLATE   | PARTITION   |
|--------|-------------------|-------------|-------------|
|        | PART NUMBER       | PART NUMBER | PART NUMBER |
|        | <b>AVK 2.5 RD</b> | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 200           | 444 120     | 462 120     |
| BLUE   | 304 201           | 444 121     | 462 121     |
| GREEN  | 304 202           | 444 122     | 462 122     |
| YELLOW | 304 203           | 444 123     | 462 123     |
| RED    | 304 204           | 444 124     | 462 124     |
| BEIGE  | 304 209           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 4 RD</b>   | <b>NPP</b>  | <b>APP</b>  |
| GREY   | 304 210           | 444 120     | 462 120     |
| BLUE   | 304 211           | 444 121     | 462 121     |
| GREEN  | 304 212           | 444 122     | 462 122     |
| YELLOW | 304 213           | 444 123     | 462 123     |
| RED    | 304 214           | 444 124     | 462 124     |
| BEIGE  | 304 219           | 444 129     | 462 129     |
|        |                   |             |             |
|        | <b>AVK 25 CC</b>  | <b>NPP</b>  |             |
| GREY   | 324 909           | 444 130     |             |
| BEIGE  | 304 900           | 444 139     |             |
|        |                   |             |             |
|        | <b>AVK 4 C</b>    | <b>NPP</b>  |             |
| GREY   | 325 109           | 450 170     |             |
| BEIGE  | 325 100           | 450 179     |             |
|        |                   |             |             |
|        | <b>AVK 4 GD</b>   | <b>NPP</b>  |             |
| GREY   | 304 279           | 444 140     |             |
| BEIGE  | 304 270           | 444 149     |             |

## AVK 2.5 RD

WIDTH 5 MM  
304 200



TORQUE: 0.4 NM



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)  
VDE (IEC 60947-7-1)  
UL / CSA  
ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED

TS 35X15 SOLID  
TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

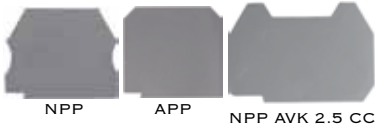
THICKNESS 8MM  
KD 3



GREY

#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM  
POLYAMIDE 66



#### SMALL PARTITION



GREY

#### CROSS CONNECTION



480 ...



476 ...

#### TEST PLUG-SOC. / INS. TEST SOC.

TF

ITK

T5K



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
600 V ~ / 20 A / AWG 26-12  
630 V ~ / 23 A

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>  
26 - 12 / 0.5 - 2.5 MM<sup>2</sup>  
10 MM / 0.4 NM

| TYPE       | PART. No. | QTY.     |
|------------|-----------|----------|
| AVK 2.5 RD | 304 200   | 100      |
| TYPE       | PART. No. | STD. PK. |

|         |                    |    |
|---------|--------------------|----|
| SLOTTED |                    |    |
| 35X7.5  | <b>TS3575SL</b>    | 2M |
| 35X7.5  | <b>TS3575SL1</b>   | 1M |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M |
| 35X15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35X7.5  | <b>TS3575SOL</b>   | 2M |
| 35X15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|            |                |     |
|------------|----------------|-----|
| NPP 2.5-10 | <b>444 120</b> | 100 |
|------------|----------------|-----|

|            |                |    |
|------------|----------------|----|
| APP 2.5-10 | <b>462 120</b> | 25 |
|------------|----------------|----|

|           |                |    |
|-----------|----------------|----|
| UK 2.5/2  | <b>476 222</b> | 25 |
| UK 2.5/3  | <b>476 223</b> | 20 |
| UK 2.5/4  | <b>476 224</b> | 15 |
| UK 2.5/10 | <b>476 229</b> | 5  |

|         |                |   |
|---------|----------------|---|
| TF (Ø4) | <b>493 040</b> | 5 |
|---------|----------------|---|

|            |                |   |
|------------|----------------|---|
| TSK 8 (Ø4) | <b>490 080</b> | 5 |
|------------|----------------|---|

|             |                |   |
|-------------|----------------|---|
| ITK 32 (Ø4) | <b>492 020</b> | 5 |
|-------------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

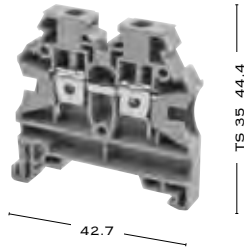
|                                                    |
|----------------------------------------------------|
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> - 32 A |
|----------------------------------------------------|

|          |
|----------|
| 8 kV / 3 |
|----------|

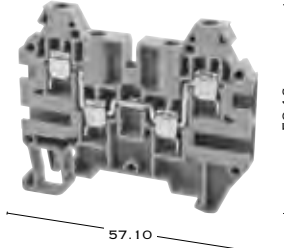
|        |
|--------|
| I / B3 |
|--------|

|           |
|-----------|
| IP 20 / - |
|-----------|

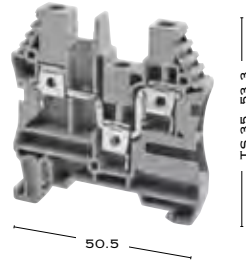


**AVK 4 RD**WIDTH 6 MM  
304 210

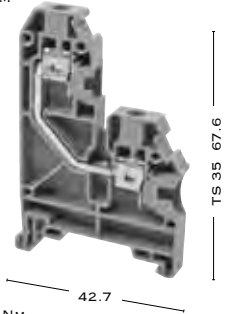
TORQUE: 0.5 NM

**AVK 2.5 CC**WIDTH 5 MM  
324 909

TORQUE: 0.5 NM

**AVK 4 C**WIDTH 6 MM  
325 109

TORQUE: 0.5 NM

**AVK 4 GD**WIDTH 6 MM  
304 279

TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION |             |          | VOLTAGE/CURRENT/CROSS-SECTION |             |          | VOLTAGE/CURRENT/CROSS-SECTION |             |          | VOLTAGE/CURRENT/CROSS-SECTION |             |          |
|-------------------------------|-------------|----------|-------------------------------|-------------|----------|-------------------------------|-------------|----------|-------------------------------|-------------|----------|
| 750 V ~ / 32 A / 4 MM²        |             |          | 750 V ~ / 24 A / 2.5 MM²      |             |          | 750 V ~ / 32 A / 4 MM²        |             |          | 500 V ~ / 24 A / 4 MM²        |             |          |
| 750 V ~ / 32 A / 4 MM²        |             |          |                               |             |          |                               |             |          |                               |             |          |
| 600 V ~ / 30 A / AWG 26-10    |             |          | 600 V ~ / 20 A / AWG 26-12    |             |          | 600 V ~ / 30 A / AWG 22 - 10  |             |          |                               |             |          |
| 630 V ~ / 29 A                |             |          | 630 V ~ / 23 A                |             |          | 630 V ~ / 29.5 A              |             |          | 500 V ~ / 30 A                |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| 0.5 - 6 MM² / 0.5 - 6 MM²     |             |          | 0.5 - 4 MM² / 0.5 - 4 MM²     |             |          | 0.5 - 6 MM² / 0.5 - 6 MM²     |             |          | 0.5 - 6 MM² / 0.5 - 6 MM²     |             |          |
| 26 - 10 / 0.5 - 4 MM²         |             |          | 26 - 12 / 0.5 - 2.5 MM²       |             |          | 26 - 10 / 0.5 - 4 MM²         |             |          | 26 - 10 / 0.5 - 4 MM²         |             |          |
| 10 MM / 0.5 NM                |             |          | 10 MM / 0.5 NM                |             |          | 10 MM / 0.5 NM                |             |          | 9 MM / 0.5 NM                 |             |          |
| TYPE                          | PART. NO.   | QTY.     | TYPE                          | PART. NO.   | QTY.     | TYPE                          | PART. NO.   | QTY.     | TYPE                          | PART. NO.   | QTY.     |
| AVK 4 RD                      | 304 210     | 100      | AVK 2.5 CC                    | 324 909     | 100      | AVK 4 C                       | 325 109     | 50       | AVK 4 GD                      | 304 279     | 100      |
| TYPE                          | PART. NO.   | STD. PK. | TYPE                          | PART. NO.   | STD. PK. | TYPE                          | PART. NO.   | STD. PK. | TYPE                          | PART. NO.   | STD. PK. |
| SLOTTED                       |             |          | SLOTTED                       |             |          | SLOTTED                       |             |          | SLOTTED                       |             |          |
| 35x7.5                        | TS3575SL    | 2M       | 35x7.5                        | TS3575SL    | 2M       | 35x7.5                        | TS3575SL    | 2M       | 35x7.5                        | TS3575SL    | 2M       |
| 35x7.5                        | TS3575SL1   | 1M       | 35x7.5                        | TS3575SL1   | 1M       | 35x7.5                        | TS3575SL1   | 1M       | 35x7.5                        | TS3575SL1   | 1M       |
| 35x7.5                        | TS3575SL1-A | 1M       | 35x7.5                        | TS3575SL1-A | 1M       | 35x7.5                        | TS3575SL1-A | 1M       | 35x7.5                        | TS3575SL1-A | 1M       |
| 35x15                         | TS3515SL    | 2M       | 35x15                         | TS3515SL    | 2M       | 35x15                         | TS3515SL    | 2M       | 35x15                         | TS3515SL    | 2M       |
| SOLID                         |             |          | SOLID                         |             |          | SOLID                         |             |          | SOLID                         |             |          |
| 35x7.5                        | TS3575SOL   | 2M       | 35x7.5                        | TS3575SOL   | 2M       | 35x7.5                        | TS3575SOL   | 2M       | 35x7.5                        | TS3575SOL   | 2M       |
| 35x15                         | TS3515SOL   | 2M       | 35x15                         | TS3515SOL   | 2M       | 35x15                         | TS3515SOL   | 2M       | 35x15                         | TS3515SOL   | 2M       |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| KD 3                          | 495 049     | 100      | KD 3                          | 495 049     | 100      | KD 3                          | 495 049     | 100      | KD 3                          | 495 049     | 100      |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| NPP 2.5-10                    | 444 120     | 100      | NPP/AVK25CC                   | 444 139     | 25       | NPP AVK 4C                    | 450 170     | 10       | NPP AVK 4 GD                  | 444 140     | 25       |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| APP 2.5-10                    | 462 120     | 25       |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| UK 4/2                        | 476 232     | 25       | UK 2.5/2                      | 476 222     | 25       | UK 4/2                        | 480 142     | 25       | UK 4/2                        | 476 232     | 25       |
| UK 4/3                        | 476 233     | 20       | UK 2.5/3                      | 476 223     | 20       | UK 4/3                        | 480 143     | 20       | UK 4/3                        | 476 233     | 20       |
| UK 4/4                        | 476 234     | 15       | UK 2.5/4                      | 476 224     | 15       | UK 4/4                        | 480 144     | 15       | UK 4/4                        | 476 234     | 15       |
| UK 4/10                       | 476 239     | 5        | UK 2.5/10                     | 476 229     | 5        | UK 4/10                       | 480 149     | 5        | UK 4/10                       | 476 239     | 5        |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| TF (Ø4)                       | 493 040     | 5        | TF (Ø4)                       | 493 040     | 5        | TF (Ø4)                       | 493 040     | 5        | TF (Ø4)                       | 493 040     | 5        |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| TSK 8 (Ø4)                    | 490 080     | 5        | TSK 8 (Ø4)                    | 490 080     | 5        | TSK 9 (Ø4)                    | 490 090     | 5        | TSK 9 (Ø4)                    | 490 090     | 5        |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| ITK 32 (Ø4)                   | 492 020     | 5        | ITK 32 (Ø4)                   | 492 020     | 5        |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| IP 2 S                        | 498 130     | 25       | IP 2 S                        | 498 130     | 25       | IP 2 S                        | 498 130     | 25       | IP 2 S                        | 498 130     | 25       |
| IP 2                          | 498 140     | 25       | IP 2                          | 498 140     | 25       | IP 2                          | 498 140     | 25       | IP 2                          | 498 140     | 25       |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
| GE                            | 496 119     | 50       | GE                            | 496 119     | 50       | GE                            | 496 119     | 50       | GE                            | 496 119     | 50       |
| GE 2                          | 496 250     | 25       | GE 2                          | 496 250     | 25       | GE 2                          | 496 250     | 25       | GE 2                          | 496 250     | 25       |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |
|                               |             |          |                               |             |          |                               |             |          |                               |             |          |



AVK TYPE TERMINALS ARE MANUFACTURED FROM THERMOPLASTIC RAW MATERIAL. GREY BEING THE MAIN COLOR, FIVE DIFFERENT COLORS GIVE USERS ADDITIONAL CHOICES FOR VISUAL SEPARATION OF CONTROL CIRCUITS AND/OR VOLTAGE LEVELS.

## AVK RD SERIES

### GROUND TERMINAL BLOCKS AND ACCESSORIES



#### ELECTRICAL RATINGS

CE (EN 60947-7-1 / EN 60947-7-2)

VDE (IEC 60947-7-1)

UL / CSA

ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 YELLOW-GREEN

#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35x15 SOLID

TS 35x15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM

KD 3



GREY

#### END PLATE

WIDTH 1.5 MM -

POLYAMIDE 66



NPP

#### CROSS CONNECTION



474 ...

#### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

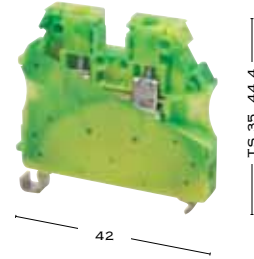
#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

## AVK 2.5 T RD

WIDTH 5.75 MM

334 170



TORQUE: 0.5 NM

#### VOLTAGE/CURRENT/CROSS-SECTION

- V / ~ A / 2.5 MM<sup>2</sup>

- V / ~ A / 2.5 MM<sup>2</sup>

- V / ~ A / AWG 26-12

630 V

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / 0.5 NM

TYPE PART. No. QTY.

AVK 2.5 TRD **334 170** 50

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 049** 100

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

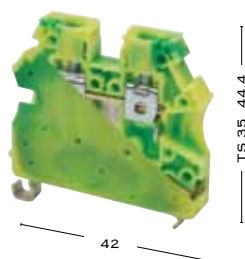
GE 2 **496 250** 25

0.2 - 4 MM<sup>2</sup> / ....-....

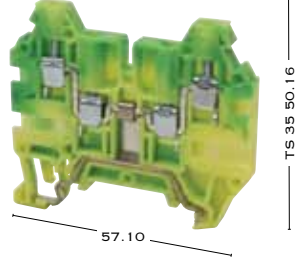
8 kV / 3

I / B3

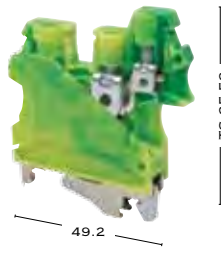
IP 20 / PE

**AVK 4 T RD**WIDTH 6.2 MM  
334 180

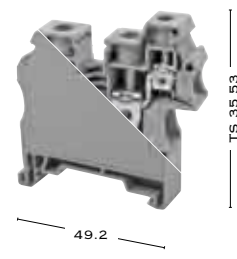
TORQUE: 0.5 NM

**AVK 2.5 CCT**WIDTH 5 MM  
334 220

TORQUE: 0.5 NM

**AVK 10 T RD 4**WIDTH 10MM  
334 230

TORQUE: 1.5 NM

**AVK 10 RD 4**WIDTH 10MM  
334 289

TORQUE: 1.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION |                    |          | VOLTAGE/CURRENT/CROSS-SECTION  |                    |          | VOLTAGE/CURRENT/CROSS-SECTION |                    |          | VOLTAGE/CURRENT/CROSS-SECTION |                    |          |
|-------------------------------|--------------------|----------|--------------------------------|--------------------|----------|-------------------------------|--------------------|----------|-------------------------------|--------------------|----------|
| - V / ~ A / 4 MM²             |                    |          | - V / ~ A / 2.5 MM²            |                    |          | - V / ~ A / 10-4 MM²          |                    |          | 800 V ~ / 57 A / 4 MM²        |                    |          |
| - V / ~ A / 4 MM²             |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
| - V / ~ A / AWG 26-10         |                    |          | - V / ~ A / AWG 26-12          |                    |          |                               |                    |          |                               |                    |          |
| 630 V                         |                    |          | 630 V                          |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
| 0.5 - 6 MM² / 0.5 - 6 MM²     |                    |          | 0.5 - 4 MM² / 0.5 - 4 MM²      |                    |          | 1.5 - 16 MM² / 1.5 - 16 MM²   |                    |          | 1.5 - 16 MM² / 1.5 - 16 MM²   |                    |          |
| 26 - 10 / 0.5 - 4 MM²         |                    |          | 26 - 12 / 0.5 - 2.5 MM²        |                    |          | 16 - 6 / 0.5 - 10 MM²         |                    |          | 16 - 6 / 0.5 - 10 MM²         |                    |          |
| 10 MM / 0.5 NM                |                    |          | 10 MM / 0.5 NM                 |                    |          | 10-7 MM / 1.5 NM              |                    |          | 10-7 MM / 1.5 NM              |                    |          |
| TYPE                          | PART. NO.          | QTY.     | TYPE                           | PART. NO.          | QTY.     | TYPE                          | PART. NO.          | QTY.     | TYPE                          | PART. NO.          | QTY.     |
| AVK 4 TRD                     | <b>334 180</b>     | 50       | AVK 2.5 CCT                    | <b>334 220</b>     | 25       | AVK 10 TRD                    | <b>334 230</b>     | 60       | AVK 10 RD 4                   | <b>334 289</b>     | 60       |
| TYPE                          | PART. NO.          | STD. PK. | TYPE                           | PART. NO.          | STD. PK. | TYPE                          | PART. NO.          | STD. PK. | TYPE                          | PART. NO.          | STD. PK. |
| SLOTTED                       |                    |          | SLOTTED                        |                    |          | SLOTTED                       |                    |          | SLOTTED                       |                    |          |
| 35x7.5                        | <b>TS3575SL</b>    | 2M       | 35x7.5                         | <b>TS3575SL</b>    | 2M       | 35x7.5                        | <b>TS3575SL</b>    | 2M       | 35x7.5                        | <b>TS3575SL</b>    | 2M       |
| 35x7.5                        | <b>TS3575SL1</b>   | 1M       | 35x7.5                         | <b>TS3575SL1</b>   | 1M       | 35x7.5                        | <b>TS3575SL1</b>   | 1M       | 35x7.5                        | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                        | <b>TS3575SL1-A</b> | 1M       | 35x7.5                         | <b>TS3575SL1-A</b> | 1M       | 35x7.5                        | <b>TS3575SL1-A</b> | 1M       | 35x7.5                        | <b>TS3575SL1-A</b> | 1M       |
| 35x15                         | <b>TS3515SL</b>    | 2M       | 35x15                          | <b>TS3515SL</b>    | 2M       | 35x15                         | <b>TS3515SL</b>    | 2M       | 35x15                         | <b>TS3515SL</b>    | 2M       |
| SOLID                         |                    |          | SOLID                          |                    |          | SOLID                         |                    |          | SOLID                         |                    |          |
| 35x7.5                        | <b>TS3575SOL</b>   | 2M       | 35x7.5                         | <b>TS3575SOL</b>   | 2M       | 35x7.5                        | <b>TS3575SOL</b>   | 2M       | 35x7.5                        | <b>TS3575SOL</b>   | 2M       |
| 35x15                         | <b>TS3515SOL</b>   | 2M       | 35x15                          | <b>TS3515SOL</b>   | 2M       | 35x15                         | <b>TS3515SOL</b>   | 2M       | 35x15                         | <b>TS3515SOL</b>   | 2M       |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
| KD 3                          | <b>495 049</b>     | 100      | KD 3                           | <b>495 049</b>     | 100      | KD 3                          | <b>495 049</b>     | 100      | KD 3                          | <b>495 049</b>     | 100      |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          | NPP AVK 2.5CCT <b>444 132T</b> |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | UK 10/2 <b>474 152</b>        |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | 25                            |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | UK 10/3 <b>474 153</b>        |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | 20                            |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | UK 10/4 <b>474 154</b>        |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | 15                            |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | UK 10/10 <b>474 159</b>       |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          | 5                             |                    |          |
| IP 2 S                        | <b>498 130</b>     | 25       | IP 2 S                         | <b>498 130</b>     | 25       | IP 2 S                        | <b>498 130</b>     | 25       | IP 2 S                        | <b>498 130</b>     | 25       |
| IP 2                          | <b>498 140</b>     | 25       | IP 2                           | <b>498 140</b>     | 25       | IP 2                          | <b>498 140</b>     | 25       | IP 2                          | <b>498 140</b>     | 25       |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
| GE                            | <b>496 119</b>     | 50       | GE                             | <b>496 119</b>     | 50       | GE                            | <b>496 119</b>     | 50       | GE                            | <b>496 119</b>     | 50       |
| GE 2                          | <b>496 250</b>     | 25       | GE 2                           | <b>496 250</b>     | 25       | GE 2                          | <b>496 250</b>     | 25       | GE 2                          | <b>496 250</b>     | 25       |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |
| 0.2 - 6 MM² / .....-.....     |                    |          | 0.2 - 4 MM² / .....-.....      |                    |          | 0.5 - 16 MM² / .....-.....    |                    |          | 0.5 - 16 MM² / 16 MM² - 76A   |                    |          |
| 8 kV / 3                      |                    |          | 8 kV / 3                       |                    |          | 8 kV / 3                      |                    |          | 6 kV / 3                      |                    |          |
| 1 / B4                        |                    |          | 1 / B3                         |                    |          | 1 / B6-A4                     |                    |          | 1 / B6-A4                     |                    |          |
| IP 20 / PE                    |                    |          | IP 20 / PE                     |                    |          | IP 20 / -                     |                    |          | IP 20 / -                     |                    |          |
|                               |                    |          |                                |                    |          |                               |                    |          |                               |                    |          |



MVK TYPE TERMINALS ARE MANUFACTURED FROM THERMOPLASTIC RAW MATERIAL. GREY BEING THE MAIN COLOR.

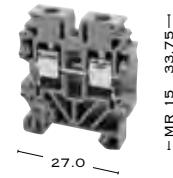
| COLORS | TERMINALS      | END PLATE      |
|--------|----------------|----------------|
|        | PART NUMBER    | PART NUMBER    |
|        | <b>MVK 2.5</b> | <b>NPP</b>     |
| GREY   | <b>304 429</b> | <b>444 429</b> |
| BEIGE  | <b>304 420</b> | <b>444 420</b> |
|        | <b>MVK 4</b>   | <b>NPP</b>     |
| GREY   | <b>304 439</b> | <b>444 429</b> |
| BEIGE  | <b>304 430</b> | <b>444 420</b> |

## MVK SERIES

MINI TERMINAL BLOCKS  
FOR USE WITH  
15MM WIDE DIN RAIL

## MVK 2.5

WIDTH 5 MM  
304 429



TORQUE: 1.2 NM



### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-1 / EN60947-7-2)

UL

ATEX

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66

GREY

YELLOW-GREEN

### END BRACKET

THICKNESS 8MM

KD 5



GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM -

POLYAMIDE 66



GREY

YELLOW-GREEN

### SMALL PARTITION



GREY

### CROSS CONNECTION



### TEST PLUG-SOC. / INS. TEST SOC.

TF

ITK

T5K



### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX.CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

400 V ~ / 24 A / 2.5 MM<sup>2</sup>

300 V ~ / 20 A / AWG 26-12

400 V ~ / 23 A

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

16 - 8 / 0.5 - 2.5 MM<sup>2</sup>

12 MM / 1.2 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| MVK 2.5 | <b>304 429</b> | 100  |

|      |                |     |
|------|----------------|-----|
| KD 5 | <b>495 069</b> | 100 |
|------|----------------|-----|

|         |                |     |
|---------|----------------|-----|
| NPP MVK | <b>444 429</b> | 100 |
|---------|----------------|-----|

|     |                |     |
|-----|----------------|-----|
| AD1 | <b>467 919</b> | 100 |
|-----|----------------|-----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/2 | <b>476 222</b> | 25 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/3 | <b>476 223</b> | 20 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/4 | <b>476 224</b> | 15 |
|----------|----------------|----|

|           |                |   |
|-----------|----------------|---|
| UK 2.5/10 | <b>476 229</b> | 5 |
|-----------|----------------|---|

|         |                |   |
|---------|----------------|---|
| TF (Ø2) | <b>493 020</b> | 5 |
|---------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

6 kV / 3

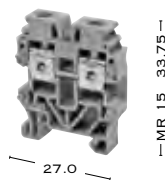
1 / B3

IP 20 / -



**MVK 4**

WIDTH 6 MM  
304 439



TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION                     |                |      |
|---------------------------------------------------|----------------|------|
| 400 V ~ / 32 A / 4 MM <sup>2</sup>                |                |      |
| 300 V ~ / 30 A / AWG 24-10                        |                |      |
| 400 V ~ / 31.5 A                                  |                |      |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                |      |
| 26 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                |      |
| 10 MM / 0.5 NM (CSA: 0.8 NM )                     |                |      |
| TYPE                                              | PART. No.      | QTY. |
| MVK 4                                             | <b>304 439</b> | 100  |

KD 5 **495 069** 100

NPP MVK **444 429** 100

AD1 **467 919** 100

UK 4/2 **476 222** 25

UK 4/3 **476 223** 20

UK 4/4 **476 224** 15

UK 4/10 **476 229** 5

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 41 A

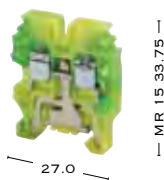
6 kV / 3

1 / B4

IP 20 / -

**MVK 2.5 T**

WIDTH 5 MM  
334 420



TORQUE: 0.4 NM

| VOLTAGE/CURRENT/CROSS-SECTION                     |                |      |
|---------------------------------------------------|----------------|------|
| - V ~ / - A / 2.5 MM <sup>2</sup>                 |                |      |
| - V ~ / - A / AWG 26-12                           |                |      |
| 400 V                                             |                |      |
| 0.5 - 4 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup> |                |      |
| 26 - 12 / 0.5 - 2.5 MM <sup>2</sup>               |                |      |
| 10 MM / 0.4 NM                                    |                |      |
| TYPE                                              | PART. No.      | QTY. |
| MVK 2.5 T                                         | <b>334 420</b> | 50   |

KD 5 **495 069** 100

NPP MVK **444 422T** 100

AD1 **467 919** 100

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 4 MM<sup>2</sup> / .....-.....

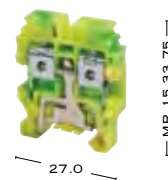
6 kV / 3

1 / B3

IP 20 / PE

**MVK 4 T**

WIDTH 6 MM  
334 430



TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION                     |                |      |
|---------------------------------------------------|----------------|------|
| - V ~ / - A / 4 MM <sup>2</sup>                   |                |      |
| - V ~ / - A / AWG 24-10                           |                |      |
| 400 V                                             |                |      |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                |      |
| 26 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                |      |
| 10 MM / 0.5 NM                                    |                |      |
| TYPE                                              | PART. No.      | QTY. |
| MVK 4 T                                           | <b>334 430</b> | 50   |

KD 5 **495 069** 100

NPP MVK **444 422T** 100

AD1 **467 919** 100

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 6 MM<sup>2</sup> / .....-.....

6 kV / 3

1 / B4

IP 20 / PE



## AVK SERIES

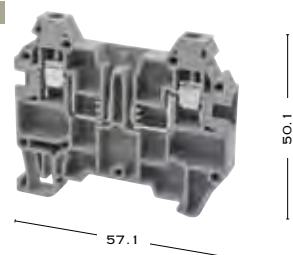
FUNCTIONAL TERMINAL  
BLOCKS, SOCKETS,  
AND ACCESSORIES

## AVK 2.5 F

WIDTH 6 MM

324 929

324 920



TORQUE: 0.5 NM

| COLORS | TERMINALS         | END PLATE      |
|--------|-------------------|----------------|
|        | PART NUMBER       | PART NUMBER    |
|        | <b>AVK 2.5 F</b>  | <b>NPP</b>     |
| GREY   | <b>324 929</b>    | <b>444 139</b> |
| BEIGE  | <b>324 920</b>    | <b>444 130</b> |
|        | <b>AVK 2.5 CF</b> | <b>NPP</b>     |
| GREY   | <b>324 919</b>    | <b>444 139</b> |
| BEIGE  | <b>324 910</b>    | <b>444 130</b> |



### ELECTRICAL RATINGS

CE (EN 60947-7-1)

### VOLTAGE/CURRENT/CROSS-SECTION

400 V / 16 A / 2.5 MM<sup>2</sup>

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / 0.5 NM

### ORDERING DATA

POLYAMIDE 66 GREY

| TYPE      | PART. No.      | QTY. |
|-----------|----------------|------|
| AVK 2.5 F | <b>324 929</b> | 80   |

### ELECTRICAL DATA

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM  
KD 3



GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



GREY

### TEST PLUG-SOC. / INS. TEST SOC.

TF



ITK



T5K



### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.5 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 16 A

8 kV / 3

1 / B3

IP 20 / -

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### TYPE PART. No. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP AVK 2.5 CC **444 139** 25

TF (Ø2) **493 020** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

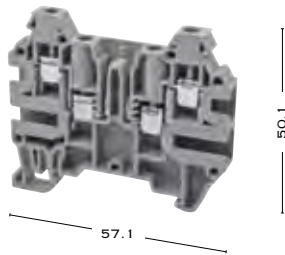
GE 2 **496 250** 25

# AVK 2.5 CF

WIDTH 6 MM

324 919

324 910



TORQUE: 0.5 NM

# AVK SKT

498 759



# AVK SKTD

498 859



WITH DIODE

VOLTAGE/CURRENT/CROSS-SECTION

400 V / 16 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / 0.5 NM

| TYPE       | PART. No.      | QTY. | TYPE    | PART. No.      | QTY. | TYPE     | PART. No.      | QTY. |
|------------|----------------|------|---------|----------------|------|----------|----------------|------|
| AVK 2.5 CF | <b>324 919</b> | 80   | AVK SKT | <b>498 759</b> | 50   | AVK SKTD | <b>498 859</b> | 50   |

DIODE VOLTAGE: 1000V

DIODE CURRENT: 0.5 A

DIODE: 1 N 4007

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP AVK 2.5 CC **444 139** 25

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.5 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 16 A

8 kV / 3

1 / B3

IP 20 / -



## AVK SERIES

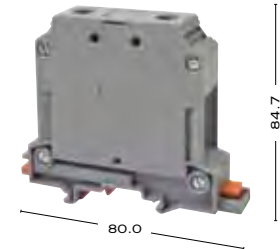
### HIGH CURRENT TERMINAL BLOCKS AND ACCESSORIES

**NOTE: HEXAGON SOCKET SCREW  
REQUIRED FOR AVK 50-240**



## AVK 50

WIDTH 20 MM  
304 330



TORQUE: 6.0 NM

#### ELECTRICAL RATINGS

CE (EN 60947-7-1)  
UL / CSA  
ATEX

#### VOLTAGE/CURRENT/CROSS-SECTION

1000 V ~ / 150 A / 50 MM<sup>2</sup>  
600 V ~ / 150 A / AWG 6 - 1/0  
800 V ~ / 150 A

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

16 - 70 MM<sup>2</sup> / 25 - 50 MM<sup>2</sup>  
6 - 0 / 16 - 50 MM<sup>2</sup>  
20 MM / 6 NM

#### ORDERING DATA

POLYAMIDE 66 GREY

TYPE PART. No. QTY.

AVK 50 304 330 25

#### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED

TS 35X15 SOLID  
TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

KD 7



GREY

KD 7 495 219 50

#### AVK / EK6



#### CROSS CONNECTION



UK 50/2



UK 95/2



UK 150/2

UK 50/2 478 332 5  
UK 50/3 478 333 5  
UK 50/4 478 334 5

#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

IP 2 S 498 130 25  
IP 2 498 140 25

#### GROUP MARKING

GE



GE2



GREY

GE 496 119 50  
GE 2 496 250 25

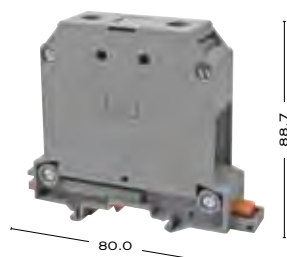
#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

16 - 70 MM<sup>2</sup> / 70 MM<sup>2</sup> - 192 A  
8 kV / 3  
I / B10  
IP 10 / -

#### MARKING TAGS

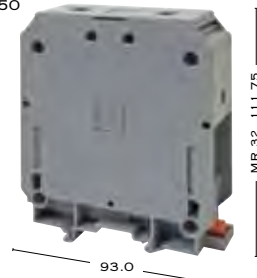
SEE PAGES 104 & 105 FOR FURTHER DETAIL

**AVK 70 RD**WIDTH 22 MM  
304 490

TORQUE: 6 NM

**AVK 95**WIDTH 25 MM  
304 340

TORQUE: 6-10 NM

**AVK 150**WIDTH 31 MM  
304 350

TORQUE: 10-14 NM

**AVK 240**WIDTH 36 MM  
304 360

TORQUE: 14-18 NM

VOLTAGE/CURRENT/CROSS-SECTION  
1000 V ~ / 192 A / 70 MM<sup>2</sup>  
600 V ~ / 175 A / AWG 6 - 1/0

VOLTAGE/CURRENT/CROSS-SECTION  
1000 V ~ / 232 A / 95 MM<sup>2</sup>  
600 V ~ / 230 A / AWG 2 - 4/0  
1000 V ~ / 217 A

VOLTAGE/CURRENT/CROSS-SECTION  
1000 V ~ / 309 A / 150 MM<sup>2</sup>  
600 V ~ / 270 A / AWG 2 - 300 KCMIL  
1000 V ~ / 281 A

VOLTAGE/CURRENT/CROSS-SECTION  
1000 V ~ / 415 A / 240 MM<sup>2</sup>  
600 V ~ / 370 A / AWG 2/0 - 500 KCMIL  
1000 V ~ / 380 A

16 - 70 MM<sup>2</sup> / 16 - 70 MM<sup>2</sup>6 - 0 / 16 - 70 MM<sup>2</sup>

20 MM / 6 NM

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| AVK 70 RD | <b>304 490</b> | 10   |

| TYPE    | PART. NO. | STD. PK. |
|---------|-----------|----------|
| SLOTTED |           |          |

|        |                 |    |
|--------|-----------------|----|
| 35x7.5 | <b>TS3575SL</b> | 2M |
|--------|-----------------|----|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SL1</b> | 1M |
|--------|------------------|----|

|        |                    |    |
|--------|--------------------|----|
| 35x7.5 | <b>TS3575SL1-A</b> | 1M |
|--------|--------------------|----|

|       |                 |    |
|-------|-----------------|----|
| 35x15 | <b>TS3515SL</b> | 2M |
|-------|-----------------|----|

|       |  |  |
|-------|--|--|
| SOLID |  |  |
|-------|--|--|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SOL</b> | 2M |
|--------|------------------|----|

|       |                  |    |
|-------|------------------|----|
| 35x15 | <b>TS3515SOL</b> | 2M |
|-------|------------------|----|

|      |                |    |
|------|----------------|----|
| KD 7 | <b>495 219</b> | 50 |
|------|----------------|----|

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25 - 95 MM<sup>2</sup> / 35 - 95 MM<sup>2</sup>26 - 4/0 / 35 - 95 MM<sup>2</sup>

25 MM / 6-10 NM

| TYPE   | PART. NO.      | QTY. |
|--------|----------------|------|
| AVK 95 | <b>304 340</b> | 6    |

| TYPE    | PART. NO. | STD. PK. |
|---------|-----------|----------|
| SLOTTED |           |          |

|        |                 |    |
|--------|-----------------|----|
| 35x7.5 | <b>TS3575SL</b> | 2M |
|--------|-----------------|----|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SL1</b> | 1M |
|--------|------------------|----|

|        |                    |    |
|--------|--------------------|----|
| 35x7.5 | <b>TS3575SL1-A</b> | 1M |
|--------|--------------------|----|

|       |                 |    |
|-------|-----------------|----|
| 35x15 | <b>TS3515SL</b> | 2M |
|-------|-----------------|----|

|       |  |  |
|-------|--|--|
| SOLID |  |  |
|-------|--|--|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SOL</b> | 2M |
|--------|------------------|----|

|       |                  |    |
|-------|------------------|----|
| 35x15 | <b>TS3515SOL</b> | 2M |
|-------|------------------|----|

|      |                |    |
|------|----------------|----|
| KD 7 | <b>495 219</b> | 50 |
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35 - 150 MM<sup>2</sup> / 50 - 150 MM<sup>2</sup>2 - 300 / 50 - 150 MM<sup>2</sup>

31 MM / 10-14 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| AVK 150 | <b>304 350</b> | 4    |

| TYPE    | PART. NO. | STD. PK. |
|---------|-----------|----------|
| SLOTTED |           |          |

|        |                 |    |
|--------|-----------------|----|
| 35x7.5 | <b>TS3575SL</b> | 2M |
|--------|-----------------|----|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SL1</b> | 1M |
|--------|------------------|----|

|        |                    |    |
|--------|--------------------|----|
| 35x7.5 | <b>TS3575SL1-A</b> | 1M |
|--------|--------------------|----|

|       |                 |    |
|-------|-----------------|----|
| 35x15 | <b>TS3515SL</b> | 2M |
|-------|-----------------|----|

|       |  |  |
|-------|--|--|
| SOLID |  |  |
|-------|--|--|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SOL</b> | 2M |
|--------|------------------|----|

|       |                  |    |
|-------|------------------|----|
| 35x15 | <b>TS3515SOL</b> | 2M |
|-------|------------------|----|

|      |                |    |
|------|----------------|----|
| KD 7 | <b>495 219</b> | 50 |
|------|----------------|----|

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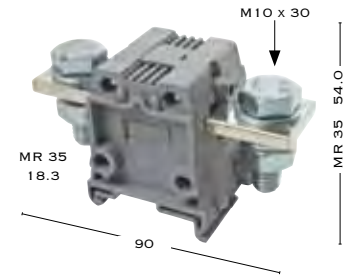


## AVK SERIES

### HIGH CURRENT TERMINAL BLOCKS AND ACCESSORIES

## AVK 95 B

WIDTH 40 MM  
304 300



TORQUE: 4.0 NM



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)

#### VOLTAGE/CURRENT/CROSS-SECTION

1000 V ~ / 232 A / 95 MM<sup>2</sup>

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

95 MM<sup>2</sup> / 95 MM<sup>2</sup>

3/0 / 95 MM<sup>2</sup>

... MM / 4 NM

#### ORDERING DATA

POLYAMIDE 66 GREY

TYPE

PART. No.

QTY.

AVK 95 B

304 300

4

#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

TS3575SL

2M

35x7.5

TS3575SL1

1M

35x7.5

TS3575SL1-A

1M

35x15

TS3515SL

2M

SOLID

35x7.5

TS3575SOL

2M

35x15

TS3515SOL

2M

#### END BRACKET

KD 7



GREY

KD 7

495 219

50

#### ISOLATION COVER



KKB 95

466 100

4

#### CROSS CONNECTION



UK 95/2



UK 150/2



UK 240/2

UKB 95/2

478 302

5

UKB 95/3

478 303

5

UKB 95/4

478 304

5

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

95 MM<sup>2</sup> / 95 MM<sup>2</sup> - 232 A

8 kV / 3

1 / -

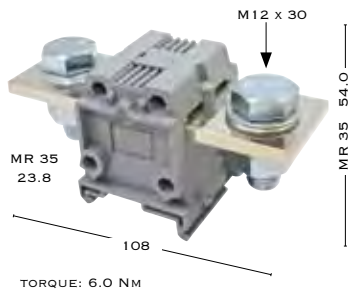
IP 10 / -

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

**AVK 150 B**

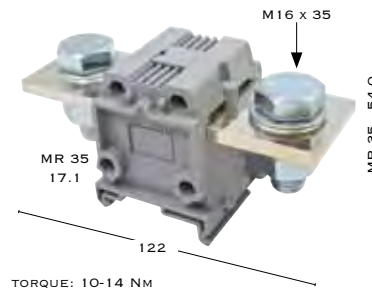
WIDTH 48 MM  
304 310



TORQUE: 6.0 NM

**AVK 240 B**

WIDTH 53 MM  
304 320



TORQUE: 10-14 NM

VOLTAGE/CURRENT/CROSS-SECTION

1000 V ~ / 309 A / 150 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

1000 V ~ / 415 A / 240 MM<sup>2</sup>

150 MM<sup>2</sup> / 150 MM<sup>2</sup>

300 KCMIL / 150 MM<sup>2</sup>

.... MM / 6 NM

TYPE

PART. No.

QTY.

AVK 150 B

**304 310**

4

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

KD 7

**495 219**

50

KKB 150

**466 110**

4

UKB 150/2

**478 312**

5

UKB 150/3

**478 313**

5

UKB 150/4

**478 314**

5

150 MM<sup>2</sup> / 150 MM<sup>2</sup> - 309 A

8 KV / 3

1 / -

IP 10 / -

240 MM<sup>2</sup> / 240 MM<sup>2</sup>

500 KCMIL / 240 MM<sup>2</sup>

.... MM / 10-14 NM

TYPE

PART. No.

QTY.

AVK 240 B

**304 320**

4

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

KD 7

**495 219**

50

KKB 240

**466 120**

4

UKB 240/2

**478 322**

5

UKB 240/3

**478 323**

5

UKB 240/4

**478 324**

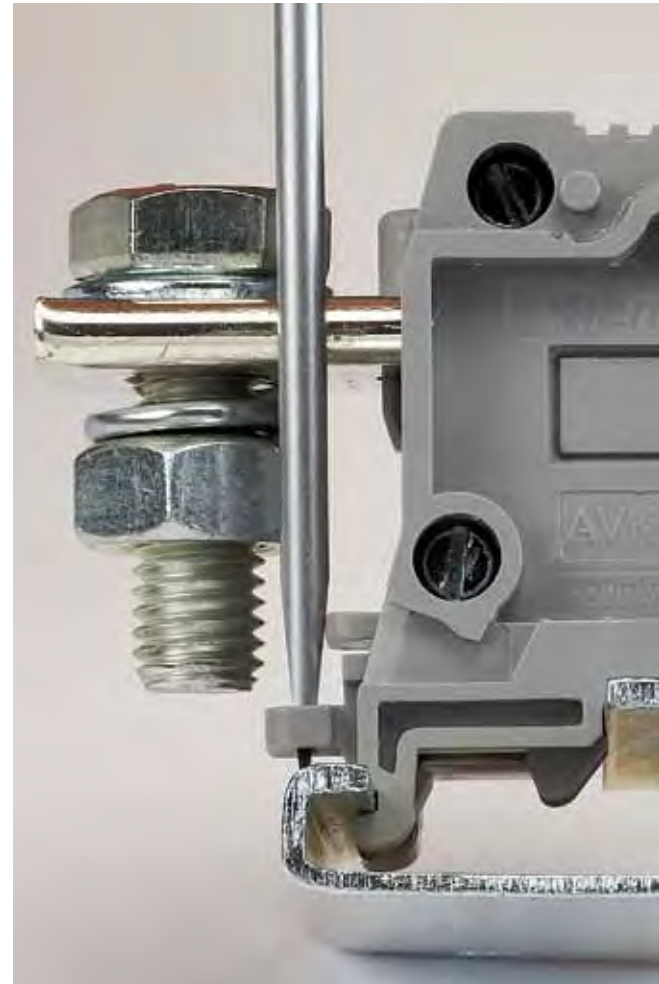
5

240 MM<sup>2</sup> / 240 MM<sup>2</sup> - 415 A

8 KV / 3

1 / -OS

IP 10 / -



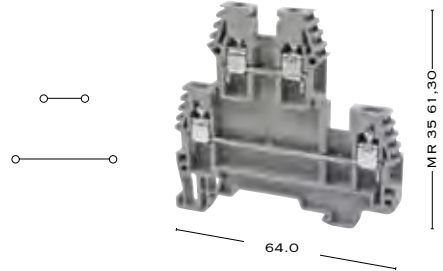


## PIK SERIES

### SCREW TYPE DOUBLE-DECK TERMINAL BLOCKS AND ACCESSORIES

## PIK 2.5 N

WIDTH 5 MM  
317 109



TORQUE: 0.5 NM

| COLORS | TERMINALS          | END PLATE      |
|--------|--------------------|----------------|
|        | PART NUMBER        | PART NUMBER    |
|        | <b>PIK 2.5 N</b>   | <b>NPP</b>     |
| GREY   | <b>317 109</b>     | <b>449 019</b> |
| BLUE   | <b>317 101</b>     | <b>449 011</b> |
| BEIGE  | <b>317 100</b>     | <b>449 010</b> |
|        |                    |                |
|        | <b>PIK 2.5 NK</b>  | <b>NPP</b>     |
| GREY   | <b>317 129</b>     | <b>449 019</b> |
| BLUE   | <b>317 121</b>     | <b>449 011</b> |
| BEIGE  | <b>317 120</b>     | <b>449 010</b> |
|        |                    |                |
|        | <b>PIK 2.5 ND</b>  | <b>NPP</b>     |
| GREY   | <b>317 219</b>     | <b>449 019</b> |
| BLUE   | <b>317 211</b>     | <b>449 011</b> |
| BEIGE  | <b>317 210</b>     | <b>449 010</b> |
|        |                    |                |
|        | <b>PIK 2.5 NLD</b> | <b>NPP</b>     |
| GREY   | <b>317 ..9</b>     | <b>449 019</b> |
| BLUE   | <b>317 ..1</b>     | <b>449 011</b> |
| BEIGE  | <b>317 ..0</b>     | <b>449 010</b> |

#### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-1)

UL / CSA

ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 mm<sup>2</sup>

300 V ~ / 20 A / AWG 26 - 12

400 V ~ / 21.5 A

0.5 - 4 mm<sup>2</sup> / 0.5 - 4 mm<sup>2</sup>

26 - 12 / 0.5 - 2.5 mm<sup>2</sup>

9 mm / 0.5 NM

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| PIK 2.5 N | <b>317 109</b> | 100  |

#### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



GREY

#### CROSS CONNECTION



#### TEST PLUG-Soc. / INS. TEST Soc.

TF

ITK

T5K



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### TYPE PART. NO. STD. PK.

SLOTTED

|        |                    |    |
|--------|--------------------|----|
| 35X7.5 | <b>TS3575SL</b>    | 2M |
| 35X7.5 | <b>TS3575SL1</b>   | 1M |
| 35X7.5 | <b>TS3575SL1-A</b> | 1M |
| 35X15  | <b>TS3515SL</b>    | 2M |

SOLID

|        |                  |    |
|--------|------------------|----|
| 35X7.5 | <b>TS3575SOL</b> | 2M |
| 35X15  | <b>TS3515SOL</b> | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|                |                |    |
|----------------|----------------|----|
| NPP PIK 2.5-4N | <b>449 019</b> | 25 |
|----------------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/2 | <b>474 122</b> | 25 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/3 | <b>474 123</b> | 20 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/4 | <b>474 124</b> | 15 |
|----------|----------------|----|

|           |                |   |
|-----------|----------------|---|
| UK 2.5/10 | <b>474 129</b> | 5 |
|-----------|----------------|---|

|         |                |   |
|---------|----------------|---|
| TF (Ø2) | <b>493 020</b> | 5 |
|---------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.2 - 4 mm<sup>2</sup> / 4 mm<sup>2</sup> / 28 A

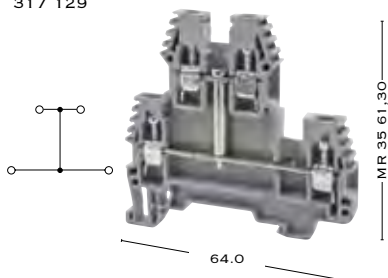
6 kV / 3

1 / B3

IP 20 / -

## PIK 2.5 NK

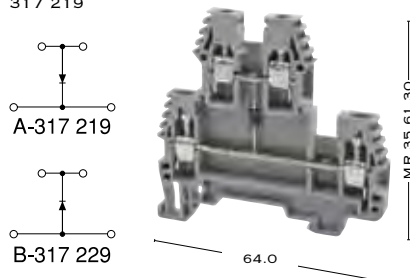
WIDTH 5 MM  
317 129



TORQUE: 0.4 NM

## PIK 2.5 ND\*\*

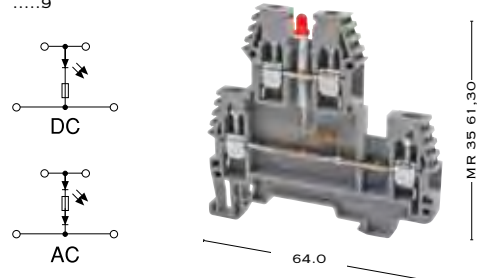
WIDTH 5 MM  
317 219



TORQUE: 0.4 NM

## PIK 2.5 NLD

WIDTH 5 MM  
.....9



TORQUE: 0.4 NM

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

300 V ~ / 20 A / AWG 26 - 12

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 10 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

TYPE PART. NO. QTY.

PIK 2.5 NK **317 129** 20

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP PIK 2.5-4N **449 019** 25

UK 2.5/2 **474 122\*** 25

UK 2.5/3 **474 123\*** 20

UK 2.5/4 **474 124\*** 15

UK 2.5/10 **474 129\*** 5

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 28 A

6 kV / 3

1 / B3

IP 20 / -

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

300 V ~ / 20 A / AWG 26 - 12

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

TYPE PART. NO. QTY.

PIK 2.5 ND-A **317 219** 20

PIK 2.5 ND-B **317 229** 20

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP PIK 2.5-4N **449 019** 25

UK 2.5/2 **474 122\*** 25

UK 2.5/3 **474 123\*** 20

UK 2.5/4 **474 124\*** 15

UK 2.5/10 **474 129\*** 5

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 28 A

6 kV / 3

1 / B3

IP 20 / -

### VOLTAGE/CURRENT/CROSS-SECTION

V ~ / 24 A / 2.5 MM<sup>2</sup>

V ~ / 20 A / AWG 26 - 12

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

TYPE PART. NO. QTY.

PIK 2.5 NLD **317 329** (24VDC) / **317 319** (24VAC) 20

PIK 2.5 NLD **317 429** (48VDC) / **317 419** (48VAC) 20

PIK 2.5 NLD **317 629** (110VDC) / **317 619** (110VAC) 20

PIK 2.5 NLD **317 729** (220VDC) / **317 719** (220VAC) 20

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP PIK 2.5-4N **449 019** 25

UK 2.5/2 **474 122\*** 25

UK 2.5/3 **474 123\*** 20

UK 2.5/4 **474 124\*** 15

UK 2.5/10 **474 129\*** 5

TF (Ø2.3) **493 023** 5

TF (Ø4) **493 040** 5

TSK 4 (Ø2.3) **490 040** 5

TSK 7 (Ø4) **490 070** 5

ITK 28 (Ø4) **492 010** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 28 A

6 kV / 3

1 / B3

IP 20 / -

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\*\*ELECTRICAL RATINGS: DIODE REVERSE VOLTAGE - 1000V  
DIODE CURRENT - 0.5 A  
DIODE - 1 N 4007

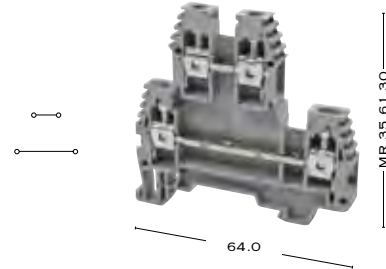


## PIK SERIES

### SCREW TYPE DOUBLE-DECK TERMINAL BLOCKS AND ACCESSORIES

## PIK 4 N

WIDTH 6 MM  
319 109



TORQUE: 0.5 NM

| COLORS | TERMINALS        | END PLATE      |
|--------|------------------|----------------|
|        | PART NUMBER      | PART NUMBER    |
|        | <b>PIK 4 N</b>   | <b>NPP</b>     |
| GREY   | <b>319 109</b>   | <b>449 019</b> |
| BLUE   | <b>319 101</b>   | <b>449 011</b> |
| BEIGE  | <b>319 100</b>   | <b>449 010</b> |
|        |                  |                |
|        | <b>PIK 4 NK</b>  | <b>NPP</b>     |
| GREY   | <b>319 129</b>   | <b>449 019</b> |
| BLUE   | <b>319 121</b>   | <b>449 011</b> |
| BEIGE  | <b>319 120</b>   | <b>449 010</b> |
|        |                  |                |
|        | <b>PIK 4 ND</b>  | <b>NPP</b>     |
| GREY   | <b>319 219</b>   | <b>449 019</b> |
| BLUE   | <b>319 211</b>   | <b>449 011</b> |
| BEIGE  | <b>319 210</b>   | <b>449 010</b> |
|        |                  |                |
|        | <b>PIK 4 NLD</b> | <b>NPP</b>     |
| GREY   | <b>319 329</b>   | <b>449 019</b> |
| BLUE   | <b>319 429</b>   | <b>449 011</b> |
| BEIGE  | <b>319 629</b>   | <b>449 010</b> |



#### ELECTRICAL RATINGS

TSE / CE (EN 60947-7-1)  
UL / CSA  
ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

GREY

GREY

GREY

GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



GREY

#### CROSS CONNECTION



#### TEST PLUG-Soc. / INS. TEST Soc.

TF

ITK

T5K



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 32 A / 4 MM<sup>2</sup>

300 V ~ / 30 A / AWG 26 - 10

400 V ~ / 29.5 A

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

9 MM / 0.5 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| PIK 4 N | <b>319 109</b> | 100  |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

|         |                    |    |
|---------|--------------------|----|
| SLOTTED |                    |    |
| 35X7.5  | <b>TS3575SL</b>    | 2M |
| 35X7.5  | <b>TS3575SL1</b>   | 1M |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M |
| 35X15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35X7.5  | <b>TS3575SOL</b>   | 2M |
| 35X15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|                |                |    |
|----------------|----------------|----|
| NPP PIK 2.5-4N | <b>449 019</b> | 25 |
|----------------|----------------|----|

|        |                |    |
|--------|----------------|----|
| UK 4/2 | <b>474 132</b> | 25 |
|--------|----------------|----|

|        |                |    |
|--------|----------------|----|
| UK 4/3 | <b>474 133</b> | 20 |
|--------|----------------|----|

|        |                |    |
|--------|----------------|----|
| UK 4/4 | <b>474 134</b> | 15 |
|--------|----------------|----|

|         |                |   |
|---------|----------------|---|
| UK 4/10 | <b>474 139</b> | 5 |
|---------|----------------|---|

|         |                |   |
|---------|----------------|---|
| TF (Ø2) | <b>493 020</b> | 5 |
|---------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 39 A

6 kV / 3

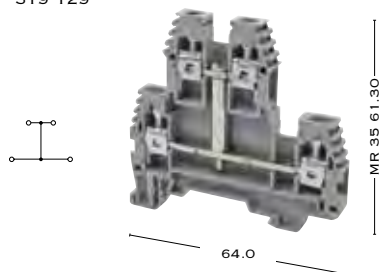
1 / B4

IP 20 / -



## PIK 4 NK

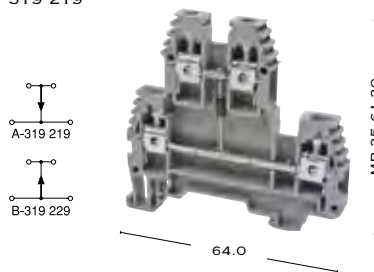
WIDTH 6 MM  
319 129



TORQUE: 0.5 NM

## PIK 4 ND\*\*

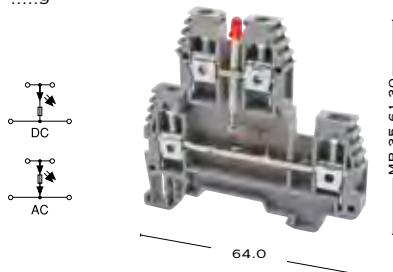
WIDTH 6 MM  
319 219



TORQUE: 0.5 NM

## PIK 4 NLD

WIDTH 6 MM  
.....9



TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                                                   |          |
|----------------------------------------------------|--------------------|----------|----------------------------------------------------|--------------------|----------|----------------------------------------------------|---------------------------------------------------|----------|
| 500 V ~ / 32 A / 4 MM <sup>2</sup>                 |                    |          | 500 V ~ / 32 A / 4 MM <sup>2</sup>                 |                    |          | - V ~ / 32 A / 4 MM <sup>2</sup>                   |                                                   |          |
| 300 V ~ / 30 A / AWG 26 - 10                       |                    |          | 300 V ~ / 30 A / AWG 26 - 10                       |                    |          | - V ~ / 30 A / AWG 26 - 10                         |                                                   |          |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                                                   |          |
| 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                    |          | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                    |          | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                                                   |          |
| 9 MM / 0.5 NM                                      |                    |          | 9 MM / 0.5 NM                                      |                    |          | 9 MM / 0.5 NM                                      |                                                   |          |
| TYPE                                               | PART. NO.          | QTY.     | TYPE                                               | PART. NO.          | QTY.     | TYPE                                               | PART. NO.                                         | QTY.     |
| PIK 4 NK                                           | <b>319 129</b>     | 20       | PIK 4 ND-A                                         | <b>319 219</b>     | 20       | PIK 4 NLD                                          | <b>319 329</b> (24VDC) / <b>319 319</b> (24VAC)   | 20       |
|                                                    |                    |          | PIK 4 ND-B                                         | <b>319 229</b>     | 20       | PIK 4 NLD                                          | <b>319 429</b> (48VDC) / <b>319 419</b> (48VAC)   | 20       |
|                                                    |                    |          |                                                    |                    |          | PIK 4 NLD                                          | <b>319 629</b> (110VDC) / <b>319 619</b> (110VAC) | 20       |
|                                                    |                    |          |                                                    |                    |          | PIK 4 NLD                                          | <b>319 729</b> (220VDC) / <b>319 719</b> (220VAC) | 20       |
| TYPE                                               | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.                                         | STD. PK. |
| SLOTTED                                            |                    |          | SLOTTED                                            |                    |          | SLOTTED                                            |                                                   |          |
| 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>                                   | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>                                  | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b>                                | 1M       |
| 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>                                   | 2M       |
| SOLID                                              |                    |          | SOLID                                              |                    |          | SOLID                                              |                                                   |          |
| 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>                                  | 2M       |
| 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>                                  | 2M       |
| KD 3                                               | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>                                    | 100      |
| NPP PIK 2.5-4N                                     | <b>449 019</b>     | 25       | NPP PIK 2.5-4N                                     | <b>449 019</b>     | 25       | NPP PIK 2.5-4N                                     | <b>449 019</b>                                    | 25       |
| UK 4/2                                             | <b>474 132*</b>    | 25       | UK 4/2                                             | <b>474 132*</b>    | 25       | UK 4/2                                             | <b>474 132*</b>                                   | 25       |
| UK 4/3                                             | <b>474 133*</b>    | 20       | UK 4/3                                             | <b>474 133*</b>    | 20       | UK 4/3                                             | <b>474 133*</b>                                   | 20       |
| UK 4/4                                             | <b>474 134*</b>    | 15       | UK 4/4                                             | <b>474 134*</b>    | 15       | UK 4/4                                             | <b>474 134*</b>                                   | 15       |
| UK 4/10                                            | <b>474 139*</b>    | 5        | UK 4/10                                            | <b>474 139*</b>    | 5        | UK 4/10                                            | <b>474 139*</b>                                   | 5        |
| TF (Ø2.3)                                          | <b>493 023</b>     | 5        | TF (Ø2.3)                                          | <b>493 023</b>     | 5        | TF (Ø2.3)                                          | <b>493 023</b>                                    | 5        |
| TF (Ø4)                                            | <b>493 040</b>     | 5        | TF (Ø4)                                            | <b>493 040</b>     | 5        | TF (Ø4)                                            | <b>493 040</b>                                    | 5        |
| TSK 4 (Ø2.3)                                       | <b>490 040</b>     | 5        | TSK 4 (Ø2.3)                                       | <b>490 040</b>     | 5        | TSK 4 (Ø2.3)                                       | <b>490 040</b>                                    | 5        |
| TSK 7 (Ø4)                                         | <b>490 070</b>     | 5        | TSK 7 (Ø4)                                         | <b>490 070</b>     | 5        | TSK 7 (Ø4)                                         | <b>490 070</b>                                    | 5        |
| ITK 28 (Ø4)                                        | <b>492 010</b>     | 5        | ITK 28 (Ø4)                                        | <b>492 010</b>     | 5        | ITK 28 (Ø4)                                        | <b>492 010</b>                                    | 5        |
| IP 2 S                                             | <b>498 130</b>     | 25       | IP 2 S                                             | <b>498 130</b>     | 25       | IP 2 S                                             | <b>498 130</b>                                    | 25       |
| IP 2                                               | <b>498 140</b>     | 25       | IP 2                                               | <b>498 140</b>     | 25       | IP 2                                               | <b>498 140</b>                                    | 25       |
| GE                                                 | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>                                    | 50       |
| GE 2                                               | <b>496 250</b>     | 25       | GE 2                                               | <b>496 250</b>     | 25       | GE 2                                               | <b>496 250</b>                                    | 25       |
| 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 39 A |                    |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 39 A |                    |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 39 A |                                                   |          |
| 6 kV / 3                                           |                    |          | 6 kV / 3                                           |                    |          | 6 kV / 3                                           |                                                   |          |
| 1 / B4                                             |                    |          | 1 / B4                                             |                    |          | 1 / B4                                             |                                                   |          |
| IP 20 / -                                          |                    |          | IP 20 / -                                          |                    |          | IP 20 / -                                          |                                                   |          |

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\*\*ELECTRICAL RATINGS: DIODE REVERSE VOLTAGE - 1000V  
DIODE CURRENT - 0.5 A  
DIODE - 1 N 4007

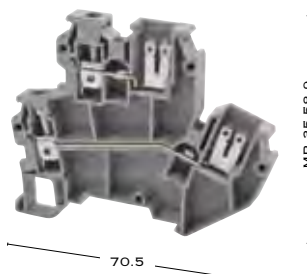


## PIK/PUK SERIES

SCREW TYPE DOUBLE-DECK &  
MULTI-LEVEL TERMINAL  
BLOCKS AND ACCESSORIES

## PIK 4 FS

WIDTH 6 MM  
319 809



TORQUE: 0.4 NM

| COLORS | TERMINALS       | END PLATE           |
|--------|-----------------|---------------------|
|        | PART NUMBER     | PART NUMBER         |
|        | <b>PIK 4 FS</b> | <b>NPP PIK 2T</b>   |
| GREY   | <b>319 809</b>  | <b>449 029</b>      |
| BLUE   | <b>319 801</b>  | <b>449 021</b>      |
| BEIGE  | <b>319 800</b>  | <b>449 020</b>      |
|        |                 |                     |
|        | <b>PIK 10 N</b> | <b>NPP PIK 10 N</b> |
| GREY   | <b>319 909</b>  | <b>449 039</b>      |
| BEIGE  | <b>319 900</b>  | <b>449 030</b>      |
|        |                 |                     |
|        | <b>PUK 3</b>    | <b>NPP PUK 3</b>    |
| GREY   | <b>324 109</b>  | <b>450 139</b>      |
| BEIGE  | <b>324 100</b>  | <b>450 130</b>      |
|        |                 |                     |
|        | <b>PUK 2 T</b>  | <b>NPP PUK 2T</b>   |
| GREY   | <b>324 209</b>  | <b>450 149</b>      |
| BEIGE  | <b>324 200</b>  | <b>450 140</b>      |
|        |                 |                     |
|        | <b>PUK 3 T</b>  | <b>NPP PUK 3T</b>   |
| GREY   | <b>324 309</b>  | <b>450 159</b>      |
| BEIGE  | <b>324 300</b>  | <b>450 150</b>      |



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-2)

UL

ATEX

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SOLID

TS 35X15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM

KD 3



GREY

### END PLATE

WIDTH 1.5 MM

POLYAMIDE 66



NPP PUK 3



NPP PUK 3T

### CROSS CONNECTION

476 ...



474 ...



480 ...

### TEST PLUG-SOC. / INS. TEST SOC.

TF



ITK



T5K



### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

400 V ~ / 20 A / 4 MM<sup>2</sup>

400 V ~ / 20 A

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

8 MM / 0.4 NM

TYPE PART. No. QTY.

PIK 4 FS 319 809 85

TYPE PART. No. STD. PK.

SLOTTED

35X7.5 TS3575SL 2M

35X7.5 TS3575SL1 1M

35X7.5 TS3575SL1-A 1M

35X15 TS3515SL 2M

SOLID

35X7.5 TS3575SOL 2M

35X15 TS3515SOL 2M

KD 3 495 049 100

NPP PIK 4 FS 449 029 20

UK 4/2 476 232 25

UK 4/3 476 233 20

UK 4/4 476 234 15

UK 4/10 476 239 5

TF (Ø4) 493 040 5

TSK 8 (Ø4) 490 080 5

ITK 32 (Ø4) 492 020 5

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

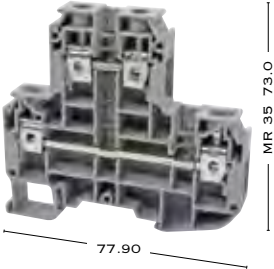
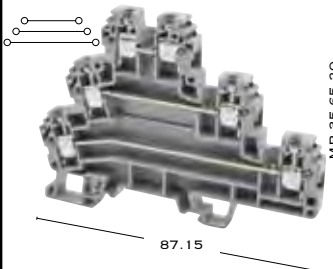
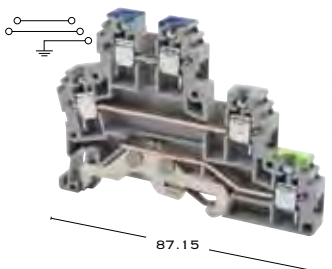
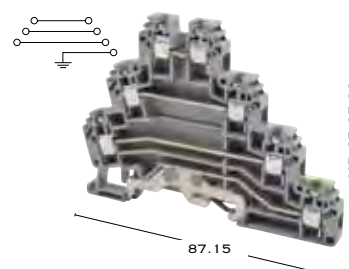
GE 2 496 250 25

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> - 20 A

4 kV / 3

I / A4

IP 20 / -

| PIK 10 N                                                                          |             |          | PUK 3                                                                             |             |          | PUK 2 T                                                                            |             |          | PUK 3 T                                                                             |             |          |
|-----------------------------------------------------------------------------------|-------------|----------|-----------------------------------------------------------------------------------|-------------|----------|------------------------------------------------------------------------------------|-------------|----------|-------------------------------------------------------------------------------------|-------------|----------|
| WIDTH 10 MM<br>319 909                                                            |             |          | WIDTH 6 MM<br>324 109                                                             |             |          | WIDTH 6 MM<br>324 209                                                              |             |          | WIDTH 6 MM<br>324 309                                                               |             |          |
|  |             |          |  |             |          |  |             |          |  |             |          |
| TORQUE: 1.2 NM                                                                    |             |          | TORQUE: 0.4 NM                                                                    |             |          | TORQUE: 0.4 NM                                                                     |             |          | TORQUE: 0.4 MM <sup>2</sup>                                                         |             |          |
| VOLTAGE/CURRENT/CROSS-SECTION                                                     |             |          | VOLTAGE/CURRENT/CROSS-SECTION                                                     |             |          | VOLTAGE/CURRENT/CROSS-SECTION                                                      |             |          | VOLTAGE/CURRENT/CROSS-SECTION                                                       |             |          |
| 800 V ~ / 57 A / 10 MM <sup>2</sup>                                               |             |          | 440 V ~ / 24 A / 2.5 MM <sup>2</sup>                                              |             |          | 440 V ~ / 24 A / 2.5 MM <sup>2</sup>                                               |             |          | 440 V ~ / 24 A / 2.5 MM <sup>2</sup>                                                |             |          |
|                                                                                   |             |          | 300 V ~ / 24 A / AWG 24 - 12                                                      |             |          | 300 V ~ / 24 A / AWG 24-12                                                         |             |          | 300 V ~ / 24 A / AWG 24-12                                                          |             |          |
|                                                                                   |             |          | 400 V ~ / 24 A                                                                    |             |          | 400 V ~ / 24 A                                                                     |             |          | 400 V ~ / 24 A                                                                      |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| 1.5 - 16 MM <sup>2</sup> / 1.5 - 16 MM <sup>2</sup>                               |             |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>                                 |             |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>                                  |             |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>                                   |             |          |
| 18 - 6 / 1.5 - 10 MM <sup>2</sup>                                                 |             |          | 24 - 12 / 1.5 - 2.5 MM <sup>2</sup>                                               |             |          | 24 - 12 / 1.5 - 2.5 MM <sup>2</sup>                                                |             |          | 24 - 12 / 1.5 - 2.5 MM <sup>2</sup>                                                 |             |          |
| 12 MM / 1.2 NM                                                                    |             |          | 9 MM / 0.4 NM                                                                     |             |          | 9 MM / 0.4 NM                                                                      |             |          | 9 MM / 0.4 NM                                                                       |             |          |
| TYPE                                                                              | PART. NO.   | QTY.     | TYPE                                                                              | PART. NO.   | QTY.     | TYPE                                                                               | PART. NO.   | QTY.     | TYPE                                                                                | PART. NO.   | QTY.     |
| PIK 10 N                                                                          | 319 909     | 20       | PUK 3                                                                             | 324 109     | 20       | PUK 2 T                                                                            | 324 209     | 20       | PUK 3 T                                                                             | 324 309     | 20       |
| TYPE                                                                              | PART. NO.   | STD. PK. | TYPE                                                                              | PART. NO.   | STD. PK. | TYPE                                                                               | PART. NO.   | STD. PK. | TYPE                                                                                | PART. NO.   | STD. PK. |
| SLOTTED                                                                           |             |          | SLOTTED                                                                           |             |          | SLOTTED                                                                            |             |          | SLOTTED                                                                             |             |          |
| 35x7.5                                                                            | TS3575SL    | 2M       | 35x7.5                                                                            | TS3575SL    | 2M       | 35x7.5                                                                             | TS3575SL    | 2M       | 35x7.5                                                                              | TS3575SL    | 2M       |
| 35x7.5                                                                            | TS3575SL1   | 1M       | 35x7.5                                                                            | TS3575SL1   | 1M       | 35x7.5                                                                             | TS3575SL1   | 1M       | 35x7.5                                                                              | TS3575SL1   | 1M       |
| 35x7.5                                                                            | TS3575SL1-A | 1M       | 35x7.5                                                                            | TS3575SL1-A | 1M       | 35x7.5                                                                             | TS3575SL1-A | 1M       | 35x7.5                                                                              | TS3575SL1-A | 1M       |
| 35x15                                                                             | TS3515SL    | 2M       | 35x15                                                                             | TS3515SL    | 2M       | 35x15                                                                              | TS3515SL    | 2M       | 35x15                                                                               | TS3515SL    | 2M       |
| SOLID                                                                             |             |          | SOLID                                                                             |             |          | SOLID                                                                              |             |          | SOLID                                                                               |             |          |
| 35x7.5                                                                            | TS3575SOL   | 2M       | 35x7.5                                                                            | TS3575SOL   | 2M       | 35x7.5                                                                             | TS3575SOL   | 2M       | 35x7.5                                                                              | TS3575SOL   | 2M       |
| 35x15                                                                             | TS3515SOL   | 2M       | 35x15                                                                             | TS3515SOL   | 2M       | 35x15                                                                              | TS3515SOL   | 2M       | 35x15                                                                               | TS3515SOL   | 2M       |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| KD 3                                                                              | 495 049     | 100      | KD 3                                                                              | 495 049     | 100      | KD 3                                                                               | 495 049     | 100      | KD 3                                                                                | 495 049     | 100      |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| NPP PIK 10 N                                                                      | 449 039     | 20       | NPP PUK 3                                                                         | 450 139     | 10       | NPP PUK 2 T                                                                        | 450 149     | 10       | NPP PUK 3 T                                                                         | 450 159     | 10       |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| UK 10/2                                                                           | 474 152     | 25       | UK 2.5/2                                                                          | 480 132     | 25       | UK 2.5/2                                                                           | 480 132     | 25       | UK 2.5/2                                                                            | 480 132*    | 25       |
| UK 10/3                                                                           | 474 153     | 20       | UK 2.5/3                                                                          | 480 133     | 20       | UK 2.5/3                                                                           | 480 133     | 20       | UK 2.5/3                                                                            | 480 133*    | 20       |
| UK 10/4                                                                           | 474 154     | 15       | UK 2.5/4                                                                          | 480 134     | 15       | UK 2.5/4                                                                           | 480 134     | 15       | UK 2.5/4                                                                            | 480 134*    | 15       |
| UK 10/10                                                                          | 474 159     | 5        | UK 2.5/10                                                                         | 480 139     | 5        | UK 2.5/10                                                                          | 480 139     | 5        | UK 2.5/10                                                                           | 480 139*    | 5        |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| TF (Ø4)                                                                           | 493 040     | 5        | TF (Ø4)                                                                           | 493 040     | 5        | TF (Ø4)                                                                            | 493 040     | 5        | TF (Ø4)                                                                             | 493 040     | 5        |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| TSK 8 (Ø4)                                                                        | 490 080     | 5        | TSK 8 (Ø4)                                                                        | 490 080     | 5        | TSK 9 (Ø4)                                                                         | 490 090     | 5        | TSK 9 (Ø4)                                                                          | 490 090     | 5        |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| ITK 32 (Ø4)                                                                       | 492 020     | 5        | ITK 32 (Ø4)                                                                       | 492 020     | 5        |                                                                                    |             |          |                                                                                     |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| IP 2 S                                                                            | 498 130     | 25       | IP 2 S                                                                            | 498 130     | 25       | IP 2 S                                                                             | 498 130     | 25       | IP 2 S                                                                              | 498 130     | 25       |
| IP 2                                                                              | 498 140     | 25       | IP 2                                                                              | 498 140     | 25       | IP 2                                                                               | 498 140     | 25       | IP 2                                                                                | 498 140     | 25       |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| GE                                                                                | 496 119     | 50       | GE                                                                                | 496 119     | 50       | GE                                                                                 | 496 119     | 50       | GE                                                                                  | 496 119     | 50       |
| GE 2                                                                              | 496 250     | 25       | GE 2                                                                              | 496 250     | 25       | GE 2                                                                               | 496 250     | 25       | GE 2                                                                                | 496 250     | 25       |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |
| 0.5 - 16 MM <sup>2</sup> / 16 MM <sup>2</sup> - 76 A                              |             |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> - 32 A                                |             |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> - 32 A                                 |             |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> - 32 A                                  |             |          |
| 8 kV / 3                                                                          |             |          | 6 kV / 3                                                                          |             |          | 8 kV / 3                                                                           |             |          | 8 kV / 3                                                                            |             |          |
| 1 / B6                                                                            |             |          | 1 / B6                                                                            |             |          | 1 / B3                                                                             |             |          | 1 / B3                                                                              |             |          |
| IP 20 / -                                                                         |             |          | IP 20 / -                                                                         |             |          | IP 20 / PE                                                                         |             |          | IP 20 / PE                                                                          |             |          |
|                                                                                   |             |          |                                                                                   |             |          |                                                                                    |             |          |                                                                                     |             |          |

\* ONLY UPPER DECKS CAN BE  
CROSS-CONNECTED



THE PUK SERIES IS A FEED-THRU AND FEED-THRU/ GROUNDING TERMINAL BLOCK SERIES USED IN APPLICATIONS UTILIZING SENSORS OR OTHER MULTIWIRE SYSTEMS. THE TERMINAL BLOCKS ARE ONLY 6MM WIDE, WHICH SAVES 2/3 TO \_ THE NORMAL SPACE UTILIZED IN STANDARD TERMINALS.

| COLORS | TERMINALS              | END PLATE      |
|--------|------------------------|----------------|
|        | PART NUMBER            | PART NUMBER    |
|        | <b>PUK 3 S</b>         | <b>NPP</b>     |
| GREY   | <b>324 409</b>         | <b>450 169</b> |
| BEIGE  | <b>324 400</b>         | <b>450 160</b> |
|        | <b>PIK 3 SLD (NPN)</b> | <b>NPP</b>     |
| GREY   | <b>324 419</b>         | <b>450 169</b> |
| BEIGE  | <b>324 400</b>         | <b>450 160</b> |
|        | <b>PIK 3 SLD (PNP)</b> | <b>NPP</b>     |
| GREY   | <b>324 429</b>         | <b>450 169</b> |
| BEIGE  | <b>324 420</b>         | <b>450 160</b> |

## PUK SERIES

### SCREW TYPE SENSOR TERMINAL BLOCKS AND ACCESSORIES



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID TS 35X15 SOLID  
TS 35X7.5 SLOTTED TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3 GREY



#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66 GREY



NPP PUK 3S

#### CROSS CONNECTION



#### TEST PLUG-SOC. / INS. TEST SOC.



#### WARNING LABEL

IP WITH SYMBOL  
WITHOUT SYMBOL



#### GROUP MARKING

GE GE2 GREY



#### TECHNICAL DATA

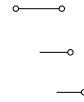
- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

## PUK 3 S

WIDTH 6 MM  
324 409



MR 35 65.20

74.30

TORQUE: 0.4 NM

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>  
300 V ~ / 24 A / AWG 24-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>  
24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

TYPE PART. No. QTY.

PUK 3 S 324 409 20

TYPE PART. No. STD. PK.

SLOTTED

35X7.5 TS3575SL 2M

35X7.5 TS3575SL1 1M

35X7.5 TS3575SL1-A 1M

35X15 TS3515SL 2M

SOLID

35X7.5 TS3575SOL 2M

35X15 TS3515SOL 2M

KD 3 495 049 100

NPP PUK 3 S 450 169 10

UK 2.5/2 480 132 25

UK 2.5/3 480 133 20

UK 2.5/4 480 134 15

UK 2.5/10 480 139 5

TF (Ø4) 493 040 5

TSK 8 (Ø4) 490 080 5

ITK 32 (Ø4) 492 020 5

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

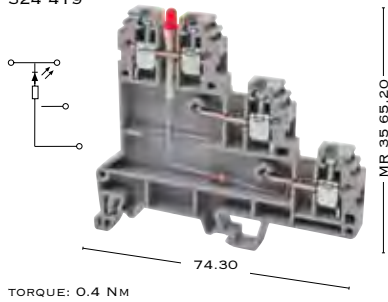
6 kV / 3

I / B3

IP 20 / -

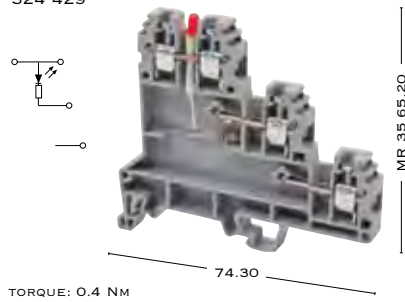
## PUK 3 SLD (NPN)

WIDTH 6 MM  
324 419



## PUK 3 SLD (PNP)

WIDTH 6 MM  
324 429



TORQUE: 0.4 NM

VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 24 A / 2.5 MM<sup>2</sup>

TORQUE: 0.4 NM

VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 24 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

| TYPE                                               | PART. No.              | QTY.     |
|----------------------------------------------------|------------------------|----------|
| PUK 3 SLD (NPN)                                    | <b>324 419 (24Vdc)</b> | 20       |
| TYPE                                               | PART. No.              | STD. PK. |
| SLOTTED                                            |                        |          |
| 35x7.5                                             | <b>TS3575SL</b>        | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>       | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b>     | 1M       |
| 35x15                                              | <b>TS3515SL</b>        | 2M       |
| SOLID                                              |                        |          |
| 35x7.5                                             | <b>TS3575SOL</b>       | 2M       |
| 35x15                                              | <b>TS3515SOL</b>       | 2M       |
| KD 3                                               | <b>495 049</b>         | 100      |
| NPP PUK 3 S                                        | <b>450 169</b>         | 10       |
| UK 2.5/2                                           | <b>480 132</b>         | 25       |
| UK 2.5/3                                           | <b>480 133</b>         | 20       |
| UK 2.5/4                                           | <b>480 134</b>         | 15       |
| UK 2.5/10                                          | <b>480 139</b>         | 5        |
| TF (Ø4)                                            | <b>493 040</b>         | 5        |
| TSK 8 (Ø4)                                         | <b>490 080</b>         | 5        |
| ITK 32 (Ø4)                                        | <b>492 020</b>         | 5        |
| IP 2 S                                             | <b>498 130</b>         | 25       |
| IP 2                                               | <b>498 140</b>         | 25       |
| GE                                                 | <b>496 119</b>         | 50       |
| GE 2                                               | <b>496 250</b>         | 25       |
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A |                        |          |
| 8 kV / 3                                           |                        |          |
| 1 / B3                                             |                        |          |
| IP 20 / -                                          |                        |          |

| TYPE                                               | PART. No.              | QTY.     |
|----------------------------------------------------|------------------------|----------|
| PUK 3 SLD (PNP)                                    | <b>324 429 (24Vdc)</b> | 20       |
| TYPE                                               | PART. No.              | STD. PK. |
| SLOTTED                                            |                        |          |
| 35x7.5                                             | <b>TS3575SL</b>        | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>       | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b>     | 1M       |
| 35x15                                              | <b>TS3515SL</b>        | 2M       |
| SOLID                                              |                        |          |
| 35x7.5                                             | <b>TS3575SOL</b>       | 2M       |
| 35x15                                              | <b>TS3515SOL</b>       | 2M       |
| KD 3                                               | <b>495 049</b>         | 100      |
| NPP PUK 3 S                                        | <b>450 169</b>         | 10       |
| UK 2.5/2                                           | <b>480 132</b>         | 25       |
| UK 2.5/3                                           | <b>480 133</b>         | 20       |
| UK 2.5/4                                           | <b>480 134</b>         | 15       |
| UK 2.5/10                                          | <b>480 139</b>         | 5        |
| TF (Ø4)                                            | <b>493 040</b>         | 5        |
| TSK 8 (Ø4)                                         | <b>490 080</b>         | 5        |
| ITK 32 (Ø4)                                        | <b>492 020</b>         | 5        |
| IP 2 S                                             | <b>498 130</b>         | 25       |
| IP 2                                               | <b>498 140</b>         | 25       |
| GE                                                 | <b>496 119</b>         | 50       |
| GE 2                                               | <b>496 250</b>         | 25       |
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A |                        |          |
| 8 kV / 3                                           |                        |          |
| 1 / B3                                             |                        |          |
| IP 20 / -                                          |                        |          |

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

24 - 12 / 0.5 - 2.5 MM<sup>2</sup>

9 MM / 0.4 NM





## DISCONNECT TERMINALS

THE MAIN ADVANTAGE WITH DISCONNECT TERMINALS IS THAT THEY ALLOW A CIRCUIT TO BE “OPENED” WITHOUT REMOVING THE WIRE FROM THE SCREW CONNECTIONS – SAVING TIME.

THE USER CAN OPEN THE CIRCUIT (ASK 2B) AND PLACE A MULTIMETER ON THE EXPOSED INTERNAL TERMINALS AND “READ” INPUT OR OUTPUT CURRENTS VERY EASILY.

## ASK SERIES

### SCREW TYPE DISCONNECT TERMINAL BLOCKS AND ACCESSORIES



#### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY GREY

#### MOUNTING RAILS

TS 35x7.5 SOLID TS 35x15 SOLID  
TS 35x7.5 SLOTTED TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



NPP ASK 3

NPP ASK 2

#### CROSS CONNECTION



#### WARNING LABEL

IP WITH SYMBOL  
WITHOUT SYMBOL



#### GROUP MARKING

GE GE2 GREY



#### TECHNICAL DATA

- MAX.CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

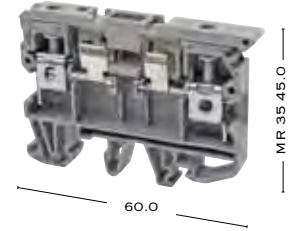
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## ASK 2 B

WIDTH 8 MM

360 119

360 110



TORQUE: 0.8 NM

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 6.3 A / 6 MM<sup>2</sup>  
300 V ~ / 6.3 A / AWG 26 - 8

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

26 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

TYPE PART. NO. QTY.

ASK 2 B 360 119 25

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

KD 3 495 049 100

NPP ASK 2 450 049 25

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

0.5 - 10 MM<sup>2</sup> / 10 MM<sup>2</sup> / 6.3 A

6 kV / 3

1 / B5

IP 20 / -

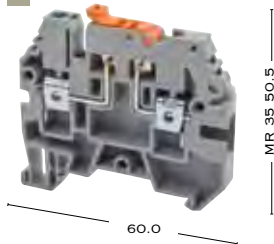


**ASK 3 A**

WIDTH 6.2 MM

353 109

353 100



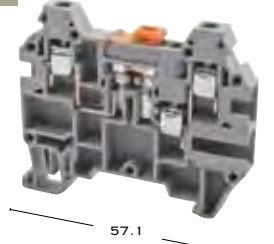
TORQUE: 0.5 NM

**AVK 2.5 EA**

WIDTH 6 MM

324 949

324 940



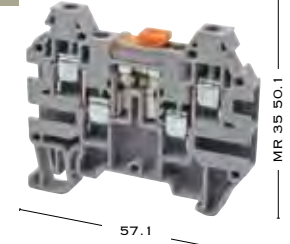
TORQUE: 0.5 NM

**AVK 2.5 CCA**

WIDTH 6 MM

324 939

324 930



TORQUE: 0.5 NM

**VOLTAGE/CURRENT/CROSS-SECTION**500 V ~ / 16 A / 4 MM<sup>2</sup>

600 V ~ / 16 A / AWG 26 - 10

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>26 - 10 / 0.5 - 4 MM<sup>2</sup>

10 MM / 0.5 NM

| TYPE    | PART. NO.      | QTY.     |
|---------|----------------|----------|
| ASK 3 A | <b>353 109</b> | 50       |
| TYPE    | PART. NO.      | STD. PK. |

SLOTTED

35x7.5 **TS3575SL** 2M35x7.5 **TS3575SL1** 1M35x7.5 **TS3575SL1-A** 1M35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M35x15 **TS3515SOL** 2MKD 3 **495 049** 100NPP ASK 3 **450 059** 10UK 4/2 **476 232** 25UK 4/3 **476 233** 20UK 4/4 **476 234** 15IP 2 S **498 130** 25IP 2 **498 140** 25GE **496 119** 50GE 2 **496 250** 250.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 16 A

6 kV / 3

1 / B4

IP 20 / -

**VOLTAGE/CURRENT/CROSS-SECTION**400 V ~ / 16 A / 2.5 MM<sup>2</sup>0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 - 0.5 NM

| TYPE       | PART. NO.      | QTY.     |
|------------|----------------|----------|
| AVK 2.5 EA | <b>324 949</b> | 80       |
| TYPE       | PART. NO.      | STD. PK. |

SLOTTED

35x7.5 **TS3575SL** 2M35x7.5 **TS3575SL1** 1M35x7.5 **TS3575SL1-A** 1M35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M35x15 **TS3515SOL** 2MKD 3 **495 049** 100NPP AVK 2.5 CC **444 139** 25IP 2 S **498 130** 25IP 2 **498 140** 25GE **496 119** 50GE 2 **496 250** 250.5 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 16 A

8 kV / 3

1 / B3

IP 20 / -

**VOLTAGE/CURRENT/CROSS-SECTION**400 V ~ / 16 A / 2.5 MM<sup>2</sup>0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>26 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 - 0.5 NM

| TYPE        | PART. NO.      | QTY.     |
|-------------|----------------|----------|
| AVK 2.5 CCA | <b>324 939</b> | 50       |
| TYPE        | PART. NO.      | STD. PK. |

SLOTTED

35x7.5 **TS3575SL** 2M35x7.5 **TS3575SL1** 1M35x7.5 **TS3575SL1-A** 1M35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M35x15 **TS3515SOL** 2MKD 3 **495 049** 100NPP AVK 2.5 CC **444 139** 25IP 2 S **498 130** 25IP 2 **498 140** 25GE **496 119** 50GE 2 **496 250** 250.5 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 16 A

8 kV / 3

1 / B3

IP 20 / -



## ASK SERIES

### SCREW TYPE DISCONNECT TERMINAL BLOCKS AND ACCESSORIES

## ASK 3 MB

WIDTH 6.2 MM

363 009

363 000

HINGED

FUSE

MOUNT



MR 35 72.5

53.5

TORQUE: 0.5 NM



#### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED

TS 35X15 SOLID  
TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3



GREY

#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



NPP ASK 3

GREY

#### CROSS CONNECTION



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 16 A / 4 MM<sup>2</sup>

600 V ~ / 10 A / AWG 26 - 10

#### TYPE PART. NO. QTY.

ASK 3 MB 363 009 20

#### TYPE PART. NO. STD. PK.

SLOTTED

35X7.5 TS3575SL 2M

35X7.5 TS3575SL1 1M

35X7.5 TS3575SL1-A 1M

35X15 TS3515SL 2M

SOLID

35X7.5 TS3575SOL 2M

35X15 TS3515SOL 2M

KD 3 495 049 100

NPP ASK 3 450 059 10

UK 4/2 476 232 25

UK 4/3 476 233 20

UK 4/4 476 234 15

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 16 A

6 kV / 3

1 / B4

IP 20 / -

## ASK 3 FB

WIDTH 6.2 MM

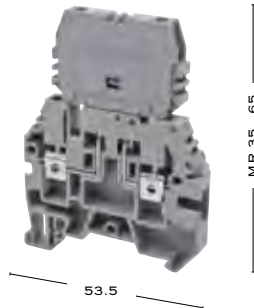
362 009

362 000

REMOVABLE

FUSE

MOUNT



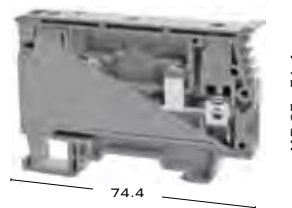
TORQUE: 0.5 NM

## ASK 4 B

WIDTH 10 MM

360 129

360 120



TORQUE: 0.8 NM

VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 16 A / 4 MM<sup>2</sup>

600 V ~ / 10 A / AWG 26 - 10

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

10 MM / 0.5 NM

TYPE PART. No. QTY.

ASK 3 FB 362 009 20

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

KD 3 495 049 100

NPP ASK 3 450 059 10

UK 4/2 476 232 25

UK 4/3 476 233 20

UK 4/4 476 234 15

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 16 A

6 kV / 3

1 / B4

IP 20 / -

VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 6.3 A / 6 MM<sup>2</sup>

600 V ~ / 6.3 A / AWG 22 - 8

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

26 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

TYPE PART. No. QTY.

ASK 4 B 360 129 20

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

KD 3 495 049 100

NPP ASK 3 450 059 10

UK 4/2 476 232 25

UK 4/3 476 233 20

UK 4/4 476 234 15

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

0.5 - 10 MM<sup>2</sup> / 10 MM<sup>2</sup> / 6.3 A

6 kV / 3

1 / B5

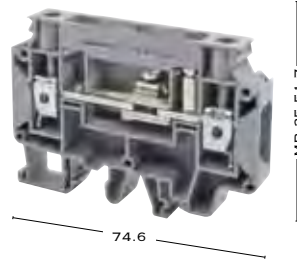
IP 20 / -





**WGO 2 N**

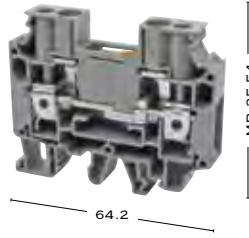
WIDTH 10 MM  
... ..9



TORQUE: 1.2 NM

**WGO 2 IR**

WIDTH 10 MM  
375 909



TORQUE: 1.5 NM

**WGO 3**

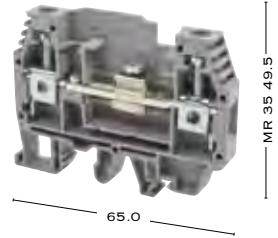
WIDTH 8 MM  
... ..9



TORQUE: 0.8 NM

**WGL 1**

WIDTH 8 MM  
375 790



TORQUE: 0.8 NM

| VOLTAGE/CURRENT/CROSS-SECTION                       |                          |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                          |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                          |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                          |          |
|-----------------------------------------------------|--------------------------|----------|-----------------------------------------------------|--------------------------|----------|-----------------------------------------------------|--------------------------|----------|-----------------------------------------------------|--------------------------|----------|
| 400 V ~ / 57 A / 10 MM <sup>2</sup>                 |                          |          | 500 V ~ / 57 A / 10 MM <sup>2</sup>                 |                          |          | 400 V ~ / 41 A / 6 MM <sup>2</sup>                  |                          |          | 400 V ~ / 41 A / 6 MM <sup>2</sup>                  |                          |          |
|                                                     |                          |          |                                                     |                          |          | 300 V ~ / 43 A / AWG 20-8                           |                          |          | 300 V ~ / 50 A / AWG 20-8                           |                          |          |
|                                                     |                          |          | 400 V ~ / 57 A                                      |                          |          | 250 V ~ / 41 A                                      |                          |          |                                                     |                          |          |
| 1.5 - 16 MM <sup>2</sup> / 1.5 - 16 MM <sup>2</sup> |                          |          | 1.5 - 16 MM <sup>2</sup> / 1.5 - 16 MM <sup>2</sup> |                          |          | 0.5 - 10 MM <sup>2</sup> / 1.5 - 10 MM <sup>2</sup> |                          |          | 0.5 - 10 MM <sup>2</sup> / 1.5 - 10 MM <sup>2</sup> |                          |          |
| 16 - 8 / 1.5 - 10 MM <sup>2</sup>                   |                          |          | 16 - 8 / 1.5 - 10 MM <sup>2</sup>                   |                          |          | 20 - 8 / 1.5 - 6 MM <sup>2</sup>                    |                          |          | 20 - 8 / 1.5 - 6 MM <sup>2</sup>                    |                          |          |
| 10 MM / 1.2 NM                                      |                          |          | 10 MM / 1.5 NM                                      |                          |          | 10 MM / 0.8 NM                                      |                          |          | 10 MM / 0.8 NM                                      |                          |          |
| TYPE                                                | PART. NO.                | QTY.     | TYPE                                                | PART. NO.                | QTY.     | TYPE                                                | PART. NO.                | QTY.     | TYPE                                                | PART. NO.                | QTY.     |
| WGO 2 N                                             | <b>375 800 - 375 890</b> | 50       | WGO 2 IR                                            | <b>375 900 - 375 909</b> | 50       | WGO 3                                               | <b>375 600 - 375 690</b> | 50       | WGL 1                                               | <b>375 700 - 375 790</b> | 50       |
| WGO 2 N                                             | <b>375 801 - 375 891</b> | 50       |                                                     |                          |          | WGO 3                                               | <b>375 601 - 375 691</b> | 50       | WGL 1                                               | <b>375 701 - 375 791</b> | 50       |
| WGO 2 N                                             | <b>375 804 - 375 894</b> | 50       |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| WGO 2 N                                             | <b>375 803 - 375 893</b> | 50       |                                                     |                          |          | WGO 3                                               | <b>375 603 - 375 693</b> | 50       | WGL 1                                               | <b>375 702 - 375 792</b> | 50       |
| WGO 2 N                                             | <b>375 802 - 375 892</b> | 50       |                                                     |                          |          | WGO 3                                               | <b>375 602 - 375 692</b> | 50       |                                                     |                          |          |
| TYPE                                                | PART. NO.                | STD. PK. | TYPE                                                | PART. NO.                | STD. PK. | TYPE                                                | PART. NO.                | STD. PK. | TYPE                                                | PART. NO.                | STD. PK. |
| SLOTTED                                             |                          |          | SLOTTED                                             |                          |          | SLOTTED                                             |                          |          | SLOTTED                                             |                          |          |
| 35x7.5                                              | <b>TS3575SL</b>          | 2M       | 35x7.5                                              | <b>TS3575SL</b>          | 2M       | 35x7.5                                              | <b>TS3575SL</b>          | 2M       | 35x7.5                                              | <b>TS3575SL</b>          | 2M       |
| 35x7.5                                              | <b>TS3575SL1</b>         | 1M       | 35x7.5                                              | <b>TS3575SL1</b>         | 1M       | 35x7.5                                              | <b>TS3575SL1</b>         | 1M       | 35x7.5                                              | <b>TS3575SL1</b>         | 1M       |
| 35x7.5                                              | <b>TS3575SL1-A</b>       | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>       | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>       | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>       | 1M       |
| 35x15                                               | <b>TS3515SL</b>          | 2M       | 35x15                                               | <b>TS3515SL</b>          | 2M       | 35x15                                               | <b>TS3515SL</b>          | 2M       | 35x15                                               | <b>TS3515SL</b>          | 2M       |
| SOLID                                               |                          |          | SOLID                                               |                          |          | SOLID                                               |                          |          | SOLID                                               |                          |          |
| 35x7.5                                              | <b>TS3575SOL</b>         | 2M       | 35x7.5                                              | <b>TS3575SOL</b>         | 2M       | 35x7.5                                              | <b>TS3575SOL</b>         | 2M       | 35x7.5                                              | <b>TS3575SOL</b>         | 2M       |
| 35x15                                               | <b>TS3515SOL</b>         | 2M       | 35x15                                               | <b>TS3515SOL</b>         | 2M       | 35x15                                               | <b>TS3515SOL</b>         | 2M       | 35x15                                               | <b>TS3515SOL</b>         | 2M       |
| KD 3                                                | <b>495 049</b>           | 100      | KD 3                                                | <b>495 049</b>           | 100      | KD 3                                                | <b>495 049</b>           | 100      | KD 3                                                | <b>495 049</b>           | 100      |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| NPP WGO 2 N                                         | <b>450 230</b>           | 25       | NPP WGO 2IR                                         | <b>450 240</b>           | 5        | NPP WGO 3                                           | <b>450 220</b>           | 25       | NPP WGO 1-2                                         | <b>450 100</b>           | 5        |
| NPP WGO 2 N                                         | <b>450 239</b>           | 25       | NPP WGO 2IR                                         | <b>450 249</b>           | 5        | NPP WGO 3                                           | <b>450 229</b>           | 25       | NPP WGO 1-2                                         | <b>450 109</b>           | 5        |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| IZUK 10/2                                           | <b>476 402</b>           | 10       | IZUK 10W/2                                          | <b>476 502</b>           | 10       | IZUK 6/2                                            | <b>476 302</b>           | 10       | IZUK 6/2                                            | <b>476 302</b>           | 10       |
| IZUK 10/3                                           | <b>476 403</b>           | 10       | IZUK 10W/3                                          | <b>476 503</b>           | 10       | IZUK 6/3                                            | <b>476 303</b>           | 10       | IZUK 6/3                                            | <b>476 303</b>           | 10       |
| IZUK 10/4                                           | <b>476 404</b>           | 10       | IZUK 10W/4                                          | <b>476 504</b>           | 10       | IZUK 6/4                                            | <b>476 304</b>           | 10       | IZUK 6/4                                            | <b>476 304</b>           | 10       |
| IZUK 10/6                                           | <b>476 406</b>           | 10       | IZUK 10W/6                                          | <b>476 506</b>           | 10       | IZUK 6/6                                            | <b>476 306</b>           | 10       | IZUK 6/6                                            | <b>476 306</b>           | 10       |
| IZUK 10/10                                          | <b>476 409</b>           | 5        | IZUK 10W/10                                         | <b>476 509</b>           | 10       | IZUK 6/10                                           | <b>476 309</b>           | 5        | IZUK 6/10                                           | <b>476 309</b>           | 5        |
|                                                     |                          |          |                                                     |                          |          | WGO UAA                                             | <b>498 300</b>           | 1        | WGO UAA                                             | <b>498 300</b>           | 1        |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| IP 2 S                                              | <b>498 130</b>           | 25       | IP 2 S                                              | <b>498 130</b>           | 25       | IP 2 S                                              | <b>498 130</b>           | 25       | IP 2 S                                              | <b>498 130</b>           | 25       |
| IP 2                                                | <b>498 140</b>           | 25       | IP 2                                                | <b>498 140</b>           | 25       | IP 2                                                | <b>498 140</b>           | 25       | IP 2                                                | <b>498 140</b>           | 25       |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| GE                                                  | <b>496 119</b>           | 50       | GE                                                  | <b>496 119</b>           | 50       | GE                                                  | <b>496 119</b>           | 50       | GE                                                  | <b>496 119</b>           | 50       |
| GE 2                                                | <b>496 250</b>           | 25       | GE 2                                                | <b>496 250</b>           | 25       | GE 2                                                | <b>496 250</b>           | 25       | GE 2                                                | <b>496 250</b>           | 25       |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |
| 1.5 - 16 MM <sup>2</sup> / 16 MM <sup>2</sup> - 57A |                          |          | 1.5 - 16 MM <sup>2</sup> / 16 MM <sup>2</sup> - 57A |                          |          | 0.2 - 10 MM <sup>2</sup> / 10 MM <sup>2</sup> - 57A |                          |          | 0.2 - 10 MM <sup>2</sup> / 10 MM <sup>2</sup> - 57A |                          |          |
| 4 kV / 3                                            |                          |          | 6 kV / 3                                            |                          |          | 6 kV / 3                                            |                          |          | 6 kV / 3                                            |                          |          |
| 1 / B5                                              |                          |          | 1 / A6                                              |                          |          | 1 / B5                                              |                          |          | 1 / B5                                              |                          |          |
| IP 20 / -                                           |                          |          | IP 20 / -                                           |                          |          | IP 20 / -                                           |                          |          | IP 20 / -                                           |                          |          |
|                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |                                                     |                          |          |

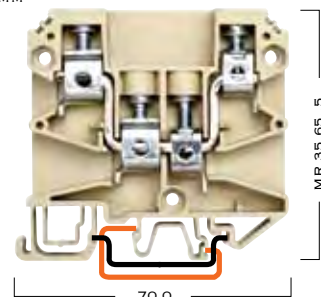


## AYK SERIES

### SCREW TYPE DISTRIBUTION TERMINAL BLOCKS AND ACCESSORIES

## AYK 10/16

WIDTH 11 MM  
395 100



TORQUE: 1.2 NM



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66

BEIGE

#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / (57-76 A) / (10-16 mm<sup>2</sup>)

#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM

KD 3



GREY

#### END PLATE

WIDTH 1.5 MM -

POLYAMIDE 66



NPP AYK

BEIGE

#### TEST PLUG-SOC. / INS. TEST SOC.

TF



ITK



T5K



#### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

• MAX.CLAMPING RANGE / MAX. TECHNICAL DATA

• RATED IMPULSE VOLTAGE / POLLUTION SEVERITY

• INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1

• PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### TYPE PART. NO. STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

KD 3

**495 049**

100

NPP AYK

**450 090**

10

TF (Ø4)

**493 040**

5

TSK 8 (Ø4)

**490 080**

5

ITK 32 (Ø4)

**492 020**

5

IP 2 S

**498 130**

25

IP 2

**498 140**

25

GE

**496 119**

50

GE 2

**496 250**

25

0.5 - 16 mm<sup>2</sup> / 16 mm<sup>2</sup> - 76 A

8 kV / 3

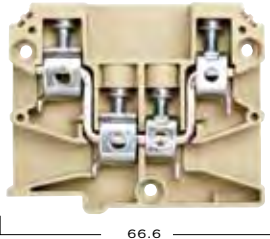
I / B6

IP 20 / -



**AYK 10/16**

WIDTH 11 MM  
395 200



TORQUE: 1.2 NM

VOLTAGE/CURRENT/CROSS-SECTION  
750 V ~ / (57-76 A) / (10-16 MM<sup>2</sup>)

1.5 - 25 MM<sup>2</sup> / 1.5 - 25 MM<sup>2</sup> 1.5 - 16 MM<sup>2</sup> / 1.5 - 16 MM<sup>2</sup>  
12 - 4 / 1.5 - 16 MM<sup>2</sup> 16 - 8 / 1.5 - 10 MM<sup>2</sup>  
12 MM / 1.2 NM 10 MM / 1.2 NM

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| AYK 10/16 | <b>395 200</b> | 20   |

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|         |                |    |
|---------|----------------|----|
| NPP AYK | <b>450 090</b> | 10 |
|---------|----------------|----|

|         |                |   |
|---------|----------------|---|
| TF (Ø4) | <b>493 040</b> | 5 |
|---------|----------------|---|

|            |                |   |
|------------|----------------|---|
| TSK 8 (Ø4) | <b>490 080</b> | 5 |
|------------|----------------|---|

|             |                |   |
|-------------|----------------|---|
| ITK 32 (Ø4) | <b>492 020</b> | 5 |
|-------------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.5 - 16 MM<sup>2</sup> / 16 MM<sup>2</sup> - 76 A

8 kV / 3

1 / B6

IP 20 / -

**AYK 10/16 2, 3, 4, 5**

WIDTH 23.5-34.5-45.5-56.5 MM  
(WITH END PLATE)



TORQUE: 1.2 NM

VOLTAGE/CURRENT/CROSS-SECTION  
750 V ~ / (57-76 A) / (10-16 MM<sup>2</sup>)

1.5 - 25 MM<sup>2</sup> / 1.5 - 25 MM<sup>2</sup> 1.5 - 16 MM<sup>2</sup> / 1.5 - 16 MM<sup>2</sup>  
12 - 4 / 1.5 - 16 MM<sup>2</sup> 16 - 8 / 1.5 - 10 MM<sup>2</sup>  
12 MM / 1.2 NM 10 MM / 1.2 NM

| TYPE        | PART. NO.      | QTY. |
|-------------|----------------|------|
| AYK 10/16-2 | <b>395 220</b> |      |
| AYK 10/16-3 | <b>395 230</b> |      |
| AYK 10/16-4 | <b>395 240</b> |      |
| AYK 10/16-5 | <b>395 250</b> |      |

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|         |                |    |
|---------|----------------|----|
| NPP AYK | <b>450 090</b> | 10 |
|---------|----------------|----|

|         |                |   |
|---------|----------------|---|
| TF (Ø4) | <b>493 040</b> | 5 |
|---------|----------------|---|

|            |                |   |
|------------|----------------|---|
| TSK 8 (Ø4) | <b>490 080</b> | 5 |
|------------|----------------|---|

|             |                |   |
|-------------|----------------|---|
| ITK 32 (Ø4) | <b>492 020</b> | 5 |
|-------------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.5 - 16 MM<sup>2</sup> / 16 MM<sup>2</sup> - 76 A

8 kV / 3

1 / B6

IP 20 / -

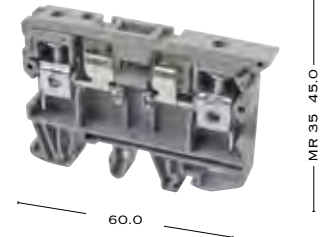


## ASK SERIES

SCREW TYPE FUSE TERMINAL  
BLOCKS AND ACCESSORIES  
FOR 5X20MM, 5X25MM FUSES

## ASK 2 S

WIDTH 8 MM  
350 109   
351 100 



TORQUE: 0.8 NM



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 6.3 A / 6 MM<sup>2</sup>  
300 V ~ / 6.3 A / AWG 26 - 8

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

26 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| ASK 2 S | <b>351 109</b> | 50   |

### MOUNTING RAILS

TS 35X7.5 SOLID  
TS 35X7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35X15 SOLID  
TS 35X15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH GREY

### END BRACKET

THICKNESS 8MM  
KD 3



GREY

### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



NPP ASK 3



NPP ASK 2

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

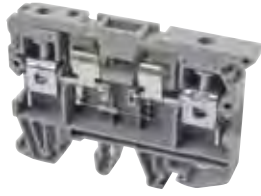
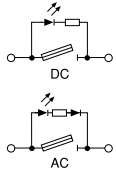
| TYPE      | PART. NO.          | STD. PK. |
|-----------|--------------------|----------|
| SLOTTED   |                    |          |
| 35X7.5    | <b>TS3575SL</b>    | 2M       |
| 35X7.5    | <b>TS3575SL1</b>   | 1M       |
| 35X7.5    | <b>TS3575SL1-A</b> | 1M       |
| 35X15     | <b>TS3515SL</b>    | 2M       |
| SOLID     |                    |          |
| 35X7.5    | <b>TS3575SOL</b>   | 2M       |
| 35X15     | <b>TS3515SOL</b>   | 2M       |
| KD 3      | <b>495 049</b>     | 100      |
| NPP ASK 2 | <b>450 049</b>     | 25       |
| IP 2 S    | <b>498 130</b>     | 25       |
| IP 2      | <b>498 140</b>     | 25       |
| GE        | <b>496 119</b>     | 50       |
| GE 2      | <b>496 250</b>     | 25       |

## ASK 2 LD

WIDTH 8 MM

... ..9

... ..9



60.0

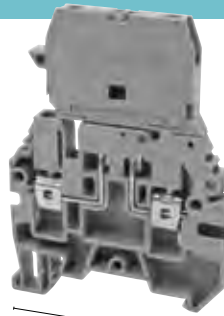
TORQUE: 0.8 NM

## ASK 3 M

WIDTH 6.2 MM

355 109

355 100



53.5

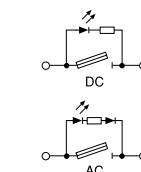
TORQUE: 0.5 NM

## ASK 3 MLD

WIDTH 6.2 MM

... ..9

... ..0



53.5

TORQUE: 0.5 NM

| VOLTAGE/CURRENT/CROSS-SECTION                         |                         |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                         |          |
|-------------------------------------------------------|-------------------------|----------|----------------------------------------------------|--------------------|----------|----------------------------------------------------|-------------------------|----------|
| - V ~ / 6.3 A / 6 MM <sup>2</sup>                     |                         |          | 500 V ~ / 10 A / 4 MM <sup>2</sup>                 |                    |          | - V ~ / 10 A / 4 MM <sup>2</sup>                   |                         |          |
| - V ~ / 6.3 A / AWG 26 - 8                            |                         |          | 600 V ~ / 10 A / AWG 26 - 10                       |                    |          | - V ~ / 10 A / AWG 26 - 10                         |                         |          |
| 0.5 - 10 MM <sup>2</sup> / 1.5 - 10 MM <sup>2</sup>   |                         |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                         |          |
| 26 - 8 / 1.5 - 6 MM <sup>2</sup>                      |                         |          | 26 - 8 / 0.5 - 4 MM <sup>2</sup>                   |                    |          | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                         |          |
| 12 MM / 0.8 NM                                        |                         |          | 10 MM / 0.5 NM                                     |                    |          | 10 MM / 0.5 NM                                     |                         |          |
| TYPE                                                  | PART. NO.               | QTY.     | TYPE                                               | PART. NO.          | QTY.     | TYPE                                               | PART. NO.               | QTY.     |
| ASK 2 LD                                              | <b>351 219</b> (24VAC)  | 25       | ASK 3 M                                            | <b>355 109</b>     | 30       | ASK 3 MLD                                          | <b>355 219</b> (24VAC)  | 30       |
| ASK 2 LD                                              | <b>351 229</b> (24VDC)  | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 229</b> (24VDC)  | 30       |
| ASK 2 LD                                              | <b>351 319</b> (48VAC)  | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 319</b> (48VAC)  | 30       |
| ASK 2 LD                                              | <b>351 329</b> (48VDC)  | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 329</b> (48VDC)  | 30       |
| ASK 2 LD                                              | <b>351 519</b> (110VAC) | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 519</b> (110VAC) | 30       |
| ASK 2 LD                                              | <b>351 529</b> (110VDC) | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 529</b> (110VDC) | 30       |
| ASK 2 LD                                              | <b>351 619</b> (220VAC) | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 619</b> (220VAC) | 30       |
| ASK 2 LD                                              | <b>351 629</b> (220VDC) | 25       |                                                    |                    |          | ASK 3 MLD                                          | <b>355 629</b> (220VDC) | 30       |
| TYPE                                                  | PART. NO.               | STD. PK. | TYPE                                               | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.               | STD. PK. |
| SLOTTED                                               |                         |          | SLOTTED                                            |                    |          | SLOTTED                                            |                         |          |
| 35x7.5                                                | <b>TS3575SL</b>         | 2M       | 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>         | 2M       |
| 35x7.5                                                | <b>TS3575SL1</b>        | 1M       | 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>        | 1M       |
| 35x7.5                                                | <b>TS3575SL1-A</b>      | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b>      | 1M       |
| 35x15                                                 | <b>TS3515SL</b>         | 2M       | 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>         | 2M       |
| SOLID                                                 |                         |          | SOLID                                              |                    |          | SOLID                                              |                         |          |
| 35x7.5                                                | <b>TS3575SOL</b>        | 2M       | 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>        | 2M       |
| 35x15                                                 | <b>TS3515SOL</b>        | 2M       | 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>        | 2M       |
| KD 3                                                  | <b>495 049</b>          | 100      | KD 3                                               | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>          | 100      |
| NPP ASK 2                                             | <b>450 049</b>          | 25       | NPP ASK 3                                          | <b>450 059</b>     | 10       | NPP ASK 3                                          | <b>450 059</b>          | 10       |
| UK 4/2                                                | <b>476 232</b>          | 25       | UK 4/2                                             | <b>476 232</b>     | 25       | UK 4/2                                             | <b>476 232</b>          | 25       |
| UK 4/3                                                | <b>476 233</b>          | 20       | UK 4/3                                             | <b>476 233</b>     | 20       | UK 4/3                                             | <b>476 233</b>          | 20       |
| UK 4/4                                                | <b>476 234</b>          | 15       | UK 4/4                                             | <b>476 234</b>     | 15       | UK 4/4                                             | <b>476 234</b>          | 15       |
| IP 2 S                                                | <b>498 130</b>          | 25       | IP 2 S                                             | <b>498 130</b>     | 25       | IP 2 S                                             | <b>498 130</b>          | 25       |
| IP 2                                                  | <b>498 140</b>          | 25       | IP 2                                               | <b>498 140</b>     | 25       | IP 2                                               | <b>498 140</b>          | 25       |
| GE                                                    | <b>496 119</b>          | 50       | GE                                                 | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>          | 50       |
| GE 2                                                  | <b>496 250</b>          | 25       | GE 2                                               | <b>496 250</b>     | 25       | GE 2                                               | <b>496 250</b>          | 25       |
| 0.5 - 10 MM <sup>2</sup> / 10 MM <sup>2</sup> / 6.3 A |                         |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 10 A |                    |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 10 A |                         |          |
| 6 kV / 3                                              |                         |          | 6 kV / 3                                           |                    |          | 6 kV / 3                                           |                         |          |
| 1 / B5                                                |                         |          | 1 / B4                                             |                    |          | 1 / B4                                             |                         |          |
| IP 20 / -                                             |                         |          | IP 20 / -                                          |                    |          | IP 20 / -                                          |                         |          |



## ASK/AVK SERIES

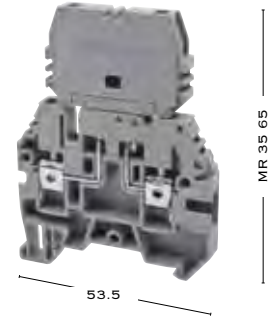
SCREW TYPE FUSE TERMINAL  
BLOCKS AND ACCESSORIES  
FOR 5X20MM, 5X25MM FUSES

## ASK 3 F

WIDTH 6.2 MM

354 109

354 100



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)

UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 MM<sup>2</sup>

600 V ~ / 10 A / AWG 26 - 10

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / 0.5 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| ASK 3 F | <b>354 109</b> | 30   |

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35X15 SOLID

TS 35X15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH GREY

### END BRACKET

THICKNESS 8MM

KD 3



GREY

### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



NPP ASK 3



NPP AVK 4 FS

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### TYPE PART. NO. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

KD 3 **495 049** 100

NPP ASK 3 **450 059** 10

UK 4/2 **476 232** 25

UK 4/3 **476 233** 20

UK 4/4 **476 234** 15

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A

6 kV / 3

1 / B4

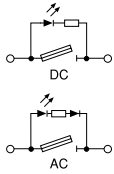
IP 20 / -

## ASK 3 FLD

WIDTH 6.2 MM

... ..9

... ..0



MR 35 65

53.5

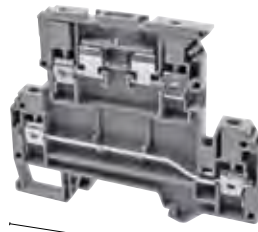
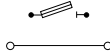
TORQUE: 0.5 NM

## AVK 4 FS

WIDTH 8 MM

353 309

353 300



MR 35 66.5

82.5

TORQUE: 0.5 NM

### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 10 A / 4 MM<sup>2</sup>

- V ~ / 10 A / AWG 26 - 10

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

26 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / 0.5 NM

| TYPE                                               | PART. NO.               | QTY.     |
|----------------------------------------------------|-------------------------|----------|
| ASK 3 FLD                                          | <b>354 219</b> (24VAC)  | 30       |
| ASK 3 FLD                                          | <b>354 229</b> (24VDC)  | 30       |
| ASK 3 FLD                                          | <b>354 319</b> (48VAC)  | 30       |
| ASK 3 FLD                                          | <b>354 329</b> (48VDC)  | 30       |
| ASK 3 FLD                                          | <b>354 519</b> (110VAC) | 30       |
| ASK 3 FLD                                          | <b>354 529</b> (110VDC) | 30       |
| ASK 3 FLD                                          | <b>354 619</b> (220VAC) | 30       |
| ASK 3 FLD                                          | <b>354 629</b> (220VDC) | 30       |
| TYPE                                               | PART. NO.               | STD. PK. |
| SLOTTED                                            |                         |          |
| 35x7.5                                             | <b>TS3575SL</b>         | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>        | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b>      | 1M       |
| 35x15                                              | <b>TS3515SL</b>         | 2M       |
| SOLID                                              |                         |          |
| 35x7.5                                             | <b>TS3575SOL</b>        | 2M       |
| 35x15                                              | <b>TS3515SOL</b>        | 2M       |
| KD 3                                               | <b>495 049</b>          | 100      |
| NPP ASK 3                                          | <b>450 059</b>          | 10       |
| UK 4/2                                             | <b>476 232</b>          | 25       |
| UK 4/3                                             | <b>476 233</b>          | 20       |
| UK 4/4                                             | <b>476 234</b>          | 15       |
| IP 2 S                                             | <b>498 130</b>          | 25       |
| IP 2                                               | <b>498 140</b>          | 25       |
| GE                                                 | <b>496 119</b>          | 50       |
| GE 2                                               | <b>496 250</b>          | 25       |
| 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 10 A |                         |          |
| 6 kV / 3                                           |                         |          |
| 1 / B4                                             |                         |          |
| IP 20 / -                                          |                         |          |

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 6.3 A / 4 MM<sup>2</sup> - 500V ~ / 32 A / 4 MM<sup>2</sup>

300 V ~ / 6.3 A / 4 MM<sup>2</sup> - 300V ~ / 30 A / 4 MM<sup>2</sup>

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

26 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

| TYPE                                                      | PART. NO.          | QTY.     |
|-----------------------------------------------------------|--------------------|----------|
| AVK 4 FS                                                  | <b>353 309</b>     | 50       |
| TYPE                                                      | PART. NO.          | STD. PK. |
| SLOTTED                                                   |                    |          |
| 35x7.5                                                    | <b>TS3575SL</b>    | 2M       |
| 35x7.5                                                    | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                                    | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                                     | <b>TS3515SL</b>    | 2M       |
| SOLID                                                     |                    |          |
| 35x7.5                                                    | <b>TS3575SOL</b>   | 2M       |
| 35x15                                                     | <b>TS3515SOL</b>   | 2M       |
| KD 3                                                      | <b>495 049</b>     | 100      |
| NPP AVK 4 FS                                              | <b>450 209</b>     | 10       |
| UK 6/2                                                    | <b>476 242</b>     | 25       |
| UK 6/3                                                    | <b>476 243</b>     | 20       |
| UK 6/4                                                    | <b>476 244</b>     | 15       |
| UK 6/10                                                   | <b>476 249</b>     | 5        |
| IP 2 S                                                    | <b>498 130</b>     | 25       |
| IP 2                                                      | <b>498 140</b>     | 25       |
| GE                                                        | <b>496 119</b>     | 50       |
| GE 2                                                      | <b>496 250</b>     | 25       |
| 0.2 - 4 MM <sup>2</sup> / 6 MM <sup>2</sup> - 10 A / 41 A |                    |          |
| 6 kV / 3                                                  |                    |          |
| 1 / B4                                                    |                    |          |
| IP 20 / -                                                 |                    |          |





## ASK SERIES

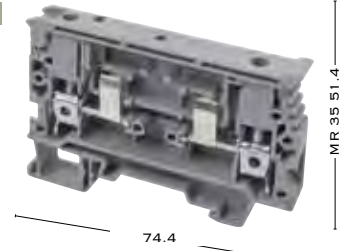
SCREW TYPE FUSE TERMINAL  
BLOCKS FOR AMERICAN  
STANDARDS AND ACCESSORIES  
FOR 1 1/4"x1/4" FUSES  
(FULLY ENCLOSED, NO END  
PLATE REQUIRED)

## ASK 4 S

WIDTH 10 MM

351 129

351 120



TORQUE: 0.8 NM



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)

UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY

### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 6.3 A / 6 MM<sup>2</sup>

600 V ~ / 6.3 A / AWG 22 - 8

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

22 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| ASK 4 S | <b>351 129</b> | 20   |

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35X15 SOLID

TS 35X15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH GREY

### END BRACKET

THICKNESS 8MM

KD 3



GREY

### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |
| KD 3    | <b>495 049</b>     | 100      |
| IP 2 S  | <b>498 130</b>     | 25       |
| IP 2    | <b>498 140</b>     | 25       |
| GE      | <b>496 119</b>     | 50       |
| GE 2    | <b>496 250</b>     | 25       |

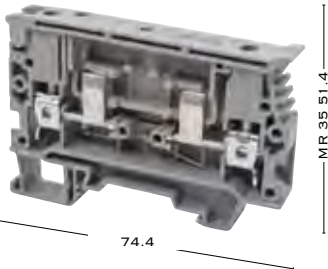
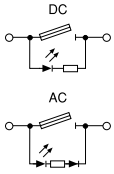


## ASK 4 LD

WIDTH 10 MM

... ..9

... ..O



TORQUE: 0.8 NM

### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 6.3 A / 6 MM<sup>2</sup>

- V ~ / - A / AWG 22 - 8

0.5 - 10 MM<sup>2</sup> / 1.5 - 10 MM<sup>2</sup>

22 - 8 / 1.5 - 6 MM<sup>2</sup>

12 MM / 0.8 NM

| TYPE     | PART. NO.               | QTY. |
|----------|-------------------------|------|
| ASK 4 LD | <b>351 719</b> (24VAC)  | 20   |
| ASK 4 LD | <b>351 729</b> (24VDC)  | 20   |
| ASK 4 LD | <b>351 739</b> (48VAC)  | 20   |
| ASK 4 LD | <b>351 749</b> (48VDC)  | 20   |
| ASK 4 LD | <b>351 759</b> (110VAC) | 20   |
| ASK 4 LD | <b>351 769</b> (110VDC) | 20   |
| ASK 4 LD | <b>351 779</b> (220VAC) | 20   |
| ASK 4 LD | <b>351 789</b> (220VDC) | 20   |

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 049</b> | 100 |
|------|----------------|-----|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
| IP 2   | <b>498 140</b> | 25 |

|      |                |    |
|------|----------------|----|
| GE   | <b>496 119</b> | 50 |
| GE 2 | <b>496 250</b> | 25 |

0.5 - 10 MM<sup>2</sup> / 10 MM<sup>2</sup> / 6.3 A

8 kV / 3

1 / B4

IP 20 / -



## PEK SERIES

### FEED-THROUGH TERMINAL BLOCKS AND ACCESSORIES

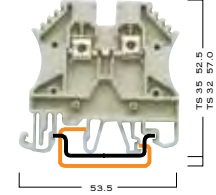
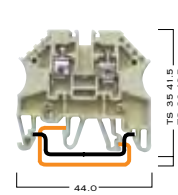
## PEK 2.5 K

WIDTH 5 MM  
305 110

## PEK 2.5

WIDTH 6 MM  
305 120

PEK TYPE TERMINALS ARE MANUFACTURED FROM A THERMOPLASTIC MATERIAL AND ARE MOUNTABLE ON TS35 AND TS32 DIN RAILS. NINE DIFFERENT COLORS GIVE USERS THE ABILITY TO GROUP CONTROL SYSTEMS, CURRENT AND/OR VOLTAGE LEVELS.



| COLORS | TERMINALS        | END PLATE   | PARTITION   |
|--------|------------------|-------------|-------------|
|        | PART NUMBER      | PART NUMBER | PART NUMBER |
|        | <b>PEK 2.5 K</b> | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 110          | 445 110     | 463 110     |
| BLUE   | 305 111          | 445 111     | 463 111     |
| GREEN  | 305 112          | 445 112     | 463 112     |
| YELLOW | 305 113          | 445 113     | 463 113     |
| RED    | 305 114          | 445 114     | 463 114     |
| BLACK  | 305 115          | 445 115     | 463 115     |
| WHITE  | 305 116          | 445 116     | 463 116     |
| ORANGE | 305 117          | 445 117     | 463 117     |
| BROWN  | 305 118          | 445 118     | 463 118     |
|        | <b>PEK 2.5</b>   | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 120          | 445 150     | 463 150     |
| BLUE   | 305 121          | 445 151     | 463 151     |
| GREEN  | 305 122          | 445 152     | 463 152     |
| YELLOW | 305 123          | 445 153     | 463 153     |
| RED    | 305 124          | 445 154     | 463 154     |
| BLACK  | 305 125          | 445 155     | 463 155     |
| WHITE  | 305 126          | 445 156     | 463 156     |
| ORANGE | 305 127          | 445 157     | 463 157     |
| BROWN  | 305 128          | 445 158     | 463 158     |
|        | <b>PEK 4</b>     | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 130          | 445 150     | 463 150     |
| BLUE   | 305 131          | 445 151     | 463 151     |
| GREEN  | 305 132          | 445 152     | 463 152     |
| YELLOW | 305 133          | 445 153     | 463 153     |
| RED    | 305 134          | 445 154     | 463 154     |
| BLACK  | 305 135          | 445 155     | 463 155     |
| WHITE  | 305 136          | 445 156     | 463 156     |
| ORANGE | 305 137          | 445 157     | 463 157     |
| BROWN  | 305 138          | 445 158     | 463 158     |
|        | <b>PEK 6</b>     | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 140          | 445 150     | 463 150     |
| BLUE   | 305 141          | 445 151     | 463 151     |
| GREEN  | 305 142          | 445 152     | 463 152     |
| YELLOW | 305 143          | 445 153     | 463 153     |
| RED    | 305 144          | 445 154     | 463 154     |
| BLACK  | 305 145          | 445 155     | 463 155     |
| WHITE  | 305 146          | 445 156     | 463 156     |
| ORANGE | 305 147          | 445 157     | 463 157     |
| BROWN  | 305 148          | 445 158     | 463 158     |
|        | <b>PEK 10</b>    | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 150          | 445 150     | 463 150     |
| BLUE   | 305 151          | 445 151     | 463 151     |
| GREEN  | 305 152          | 445 152     | 463 152     |
| YELLOW | 305 153          | 445 153     | 463 153     |
| RED    | 305 154          | 445 154     | 463 154     |
| BLACK  | 305 155          | 445 155     | 463 155     |
| WHITE  | 305 156          | 445 156     | 463 156     |
| ORANGE | 305 157          | 445 157     | 463 157     |
| BROWN  | 305 158          | 445 158     | 463 158     |
|        | <b>PEK 16</b>    | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 160          | 445 170     | 463 170     |
| BLUE   | 305 161          | 445 171     | 463 171     |
| GREEN  | 305 162          | 445 172     | 463 172     |
| YELLOW | 305 163          | 445 173     | 463 173     |
| RED    | 305 164          | 445 174     | 463 174     |
| BLACK  | 305 165          | 445 175     | 463 175     |
| WHITE  | 305 166          | 445 176     | 463 176     |
| ORANGE | 305 167          | 445 177     | 463 177     |
| BROWN  | 305 168          | 445 178     | 463 178     |
|        | <b>PEK 35</b>    | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 170          | 445 170     | 463 170     |
| BLUE   | 305 171          | 445 171     | 463 171     |
| GREEN  | 305 172          | 445 172     | 463 172     |
| YELLOW | 305 173          | 445 173     | 463 173     |
| RED    | 305 174          | 445 174     | 463 174     |
| BLACK  | 305 175          | 445 175     | 463 175     |
| WHITE  | 305 176          | 445 176     | 463 176     |
| ORANGE | 305 177          | 445 177     | 463 177     |
| BROWN  | 305 178          | 445 178     | 463 178     |
|        | <b>PEK 35 I</b>  | <b>NPP</b>  | <b>APP</b>  |
| BEIGE  | 305 180          | 445 170     | 463 170     |
| BLUE   | 305 181          | 445 171     | 463 171     |
| GREEN  | 305 182          | 445 172     | 463 172     |
| YELLOW | 305 183          | 445 173     | 463 173     |
| RED    | 305 184          | 445 174     | 463 174     |
| BLACK  | 305 185          | 445 175     | 463 175     |
| WHITE  | 305 186          | 445 176     | 463 176     |
| ORANGE | 305 187          | 445 177     | 463 177     |
| BROWN  | 305 188          | 445 178     | 463 178     |

#### ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION  
VDE (IEC 60947-7-1)  
UL

INSULATION STRIPPING LENGTH

#### CONNECTION DATA

SOLID STRAND, SCREW CONNECTION  
FINE STRAND, SCREW CONNECTION  
AWG CONDUCTOR

#### ORDERING DATA

POLYAMIDE 6.6 BEIGE

#### MOUNTING RAILS

TS 35X7.5 SOLID TS 35X15 SOLID  
TS 35X7.5 SLOTTED TS 35X15 SLOTTED

STEEL SLOT DIM. ALUMINUM SLOT DIM.  
25MM ON 36MM CENTER 13MM ON 26MM CENTER  
5.2MM SLOT WIDTH 5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM BEIGE  
KD 3

#### END PLATE - PARTITION

THICKNESS 1.5MM BEIGE  
POLYAMIDE 6.6 BEIGE  
NPP APP

#### SMALL PARTITION

BEIGE  
AD 1

#### CROSS CONNECTION

UK 2.5/2 475 112 25 UK 2.5/2 475 122 25  
UK 2.5/3 475 113 20 UK 2.5/3 475 123 20  
UK 2.5/4 475 114 15 UK 2.5/4 475 124 15  
UK 2.5/10 475 119 5 UK 2.5/10 475 129 5

#### SWITCHABLE CROSS CONNECTION LINKS

9

#### TEST PLUG-Soc. / INS. TEST Soc.

TF ITK TSK  
TF (Ø2) 493 020 5 TF (Ø2) 493 020 5  
TF (Ø2.3) 493 023 5 TF (Ø2.3) 493 023 5

#### WARNING LABEL

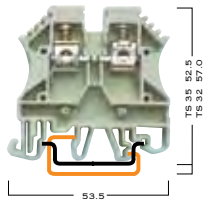
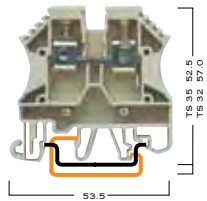
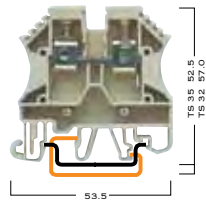
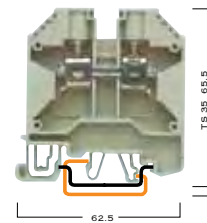
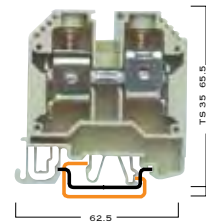
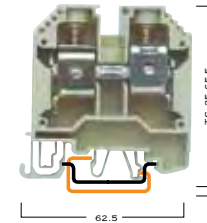
IP WITH SYMBOL WITHOUT SYMBOL  
IP 1 S 498 110 25 IP 2 S 498 130 25  
IP 1 498 120 25 IP 2 498 140 25

#### GROUP MARKING

GE GE 1 - GE 2 MGE 1 BEIGE  
GE 496 110 50 GE 496 110 50  
GE 1 496 210 25 GE 2 496 250 25  
MGE 1 496 260 25 MGE 1 496 260 25

#### MARKING TAGS

SEE PAGE 104 & 105 FOR FURTHER DETAIL.

**PEK 4**WIDTH 6.5 MM  
305 130**PEK 6**WIDTH 8 MM  
305 140**PEK 10**WIDTH 10 MM  
305 150**PEK 16**WIDTH 12 MM  
305 160**PEK 35**WIDTH 16 MM  
305 170**PEK 35 I**WIDTH 16 MM  
305 180

(WITH HEXAGON SOCKET SCREW)

|                               |                               |                                |                                |                                 |                                 |
|-------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
| 750 V~/34 A/4 MM <sup>2</sup> | 750 V~/44 A/6 MM <sup>2</sup> | 750 V~/61 A/10 MM <sup>2</sup> | 750 V~/82 A/16 MM <sup>2</sup> | 750 V~/135 A/35 MM <sup>2</sup> | 750 V~/135 A/35 MM <sup>2</sup> |
| 750 V~/32 A/4 MM <sup>2</sup> | 750 V~/41 A/6 MM <sup>2</sup> | 750 V~/57 A/10 MM <sup>2</sup> | 750 V~/76 A/16 MM <sup>2</sup> | 750 V~/125 A/35 MM <sup>2</sup> | 750 V~/125 A/35 MM <sup>2</sup> |
| 600 V~/34 A/AWG 26-10         | 600 V~/44 A/AWG 26-8          | 600 V~/50 A/AWG 16-8           | 600 V~/65 A/AWG 14-6           | 600 V~/115 A/AWG 10-2           | 600 V~/115 A/AWG 10-2           |
| 10 MM                         | 12 MM                         | 12 MM                          | 16 MM                          | 18 MM                           | 18 MM                           |
| 0.5 - 6 MM <sup>2</sup>       | 0.5 - 10 MM <sup>2</sup>      | 1.5 - 16 MM <sup>2</sup>       | 1.5 - 16 MM <sup>2</sup>       | 6 - 16 MM <sup>2</sup>          | 6 - 16 MM <sup>2</sup>          |
| 1.5 - 4 MM <sup>2</sup>       | 1.5 - 6 MM <sup>2</sup>       | 1.5 - 10 MM <sup>2</sup>       | 1.5 - 16 MM <sup>2</sup>       | 6 - 35 MM <sup>2</sup>          | 6 - 35 MM <sup>2</sup>          |
| 26 - 10                       | 26 - 8                        | 16 - 6                         | 14 - 4                         | 10 - 1                          | 10 - 1                          |
| PART NO. STD. PK.             | PART NO. STD. PK.             | PART NO. STD. PK.              | PART NO. STD. PK.              | PART NO. STD. PK.               | PART NO. STD. PK.               |
| 305 130 100                   | 305 140 100                   | 305 150 100                    | 305 160 50                     | 305 170 50                      | 305 180 30                      |
| TYPE PART NO. STD. PK.        | TYPE PART NO. STD. PK.        | TYPE PART NO. STD. PK.         | TYPE PART NO. STD. PK.         | TYPE PART NO. STD. PK.          | TYPE PART NO. STD. PK.          |
| SLOTTED                       | SLOTTED                       | SLOTTED                        | SLOTTED                        | SLOTTED                         | SLOTTED                         |
| 35x7.5 TS3575SL 2M            | 35x7.5 TS3575SL 2M            | 35x7.5 TS3575SL 2M             | 35x7.5 TS3575SL 2M             | 35x7.5 TS3575SL 2M              | 35x7.5 TS3575SL 2M              |
| 35x7.5 TS3575SL1 1M           | 35x7.5 TS3575SL1 1M           | 35x7.5 TS3575SL1 1M            | 35x7.5 TS3575SL1 1M            | 35x7.5 TS3575SL1 1M             | 35x7.5 TS3575SL1 1M             |
| 35x7.5 TS3575SL1-A 1M         | 35x7.5 TS3575SL1-A 1M         | 35x7.5 TS3575SL1-A 1M          | 35x7.5 TS3575SL1-A 1M          | 35x7.5 TS3575SL1-A 1M           | 35x7.5 TS3575SL1-A 1M           |
| 35x15 TS3515SL 2M             | 35x15 TS3515SL 2M             | 35x15 TS3515SL 2M              | 35x15 TS3515SL 2M              | 35x15 TS3515SL 2M               | 35x15 TS3515SL 2M               |
| SOLID                         | SOLID                         | SOLID                          | SOLID                          | SOLID                           | SOLID                           |
| 35x7.5 TS3575SOL 2M           | 35x7.5 TS3575SOL 2M           | 35x7.5 TS3575SOL 2M            | 35x7.5 TS3575SOL 2M            | 35x7.5 TS3575SOL 2M             | 35x7.5 TS3575SOL 2M             |
| 35x15 TS3515SOL 2M            | 35x15 TS3515SOL 2M            | 35x15 TS3515SOL 2M             | 35x15 TS3515SOL 2M             | 35x15 TS3515SOL 2M              | 35x15 TS3515SOL 2M              |
| KD 3 495 040 100              | KD 3 495 040 100              | KD 3 495 040 100               | KD 3 495 040 100               | KD 3 495 040 100                | KD 3 495 040 100                |
|                               |                               |                                |                                |                                 |                                 |
|                               |                               |                                |                                |                                 |                                 |
| NPP 2.5-10 445 150 100        | NPP 2.5-10 445 150 100        | NPP 2.5-10 445 150 100         | NPP 16-35 445 170 25           | NPP 16-35 445 170 25            | NPP 16-35 445 170 25            |
| APP 2.5-10 463 150 25         | APP 2.5-10 463 150 25         | APP 2.5-10 463 150 25          | APP 16-35 463 170 25           | APP 16-35 463 170 25            | APP 16-35 463 170 25            |
|                               |                               |                                |                                |                                 |                                 |
| AD 2 467 950 100              | AD 2 467 950 100              | AD 2 467 950 100               |                                |                                 |                                 |
|                               |                               |                                |                                |                                 |                                 |
| UK 4/2 475 132 25             | UK 6/2 475 142 25             | UK 10/2 475 152 25             | UK 16/2 475 162 25             | UK 35/2 475 172 25              | UK 35/2 475 172 25              |
| UK 4/3 475 133 20             | UK 6/3 475 143 20             | UK 10/3 475 153 20             | UK 16/3 475 163 20             | UK 35/3 475 173 20              | UK 35/3 475 173 20              |
| UK 4/4 475 134 15             | UK 6/4 475 144 15             | UK 10/4 475 154 15             | UK 16/4 475 164 15             | UK 35/4 475 174 15              | UK 35/4 475 174 15              |
| UK 4/10 475 139 5             | UK 6/10 475 149 5             | UK 10/10 475 159 5             | UK 16/10 475 169 5             | UK 35/10 475 179 5              | UK 35/10 475 179 5              |
| CK 4 485 204 25               | CK 6 485 206 25               | CK 10 485 210 25               | CK 16 485 216 10               | CK 16 485 235 10                | CK 16 485 235 10                |
|                               |                               |                                |                                |                                 |                                 |
| TF(Ø2.3) 493 023 5            | TF(Ø2.3) 493 023 5            | TF(Ø2.3) 493 023 5             | TF(Ø4) 493 040 5               | TF(Ø4) 493 040 5                | TF(Ø4) 493 040 5                |
| TF(Ø4) 493 040 5              | TF(Ø4) 493 040 5              | TF(Ø4) 493 040 5               |                                |                                 |                                 |
|                               |                               |                                |                                |                                 |                                 |
| TSK 4(Ø2.3)490 040 5          | TSK 4(Ø2.3)490 040 5          | TSK 4(Ø2.3)490 040 5           | TSK 8(Ø4)490 080 5             | TSK 9(Ø4)490 090 5              | TSK 9(Ø4)490 090 5              |
| TSK 7(Ø4)490 070 5            | TSK 7(Ø4)490 070 5            | TSK 7(Ø4)490 070 5             |                                |                                 |                                 |
|                               |                               |                                |                                |                                 |                                 |
| ITK 28((Ø4)492 010 5          | ITK 28((Ø4)492 010 5          | ITK 28((Ø4)492 010 5           | ITK 32(Ø4) 492 020 5           |                                 |                                 |
|                               |                               |                                |                                |                                 |                                 |
| IP 2 S 498 130 25             | IP 2 S 498 130 25             | IP 2 S 498 130 25              | IP 3 S 498 143 25              | IP 3 S 498 143 25               | IP 3 S 498 143 25               |
| IP 2 498 140 25               | IP 2 498 140 25               | IP 2 498 140 25                | IP 3 498 145 25                | IP 3 498 145 25                 | IP 3 498 145 25                 |
|                               |                               |                                |                                |                                 |                                 |
| GE 496 110 50                 | GE 496 110 50                 | GE 496 110 50                  | GE 496 110 50                  | GE 496 110 50                   | GE 496 110 50                   |
| GE 2 496 250 25               | GE 2 496 250 25               | GE 2 496 250 25                | GE 3 496 255 10                | GE 3 496 255 10                 | GE 3 496 255 10                 |
| MGE 1 496 260 25              | MGE 1 496 260 25              | MGE 1 496 260 25               | MGE 1 496 260 25               | MGE 1 496 260 25                | MGE 1 496 260 25                |



## WGT SERIES

### GROUND TERMINAL BLOCKS

WGT SERIES GROUND TERMINALS CAN BE USED ON BOTH TS35 AND TS32 DIN RAILS. THE YELLOW/GREEN COLOR COMBINATION MEETS INTERNATIONAL STANDARDS FOR GROUND LABELING. THE INTERNAL METAL PARTS ELECTRICALLY CONNECT THE FIELD WIRING TO THE DIN RAIL. DIN RAILS MOUNTED TO METALLIC CABINETRY AND CONNECTED TO EARTH, COMPLETE THE PROPER GROUNDING PROCESS.



#### ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION  
VDE (IEC 60947-7-2)  
UL

INSULATION STRIPPING LENGTH

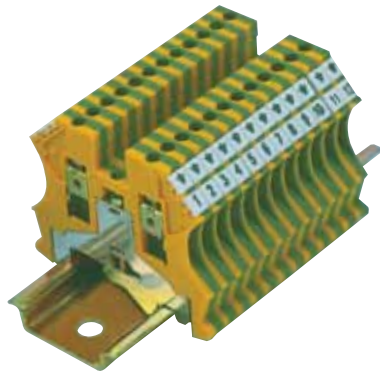
#### CONNECTION DATA

SOLID STRAND, SCREW CONNECTION  
FINE STRAND, SCREW CONNECTION  
AWG CONDUCTOR

#### ORDERING DATA

POLYAMIDE 6.6

YELLOW-GREEN



#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SOLID

TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

THICKNESS 8MM

KD 3



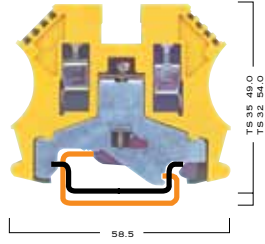
BEIGE

#### MARKING TAGS

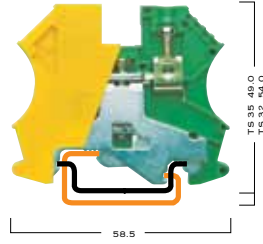
SEE PAGE 104 & 105 FOR FURTHER DETAIL.

**WGT 2.5**

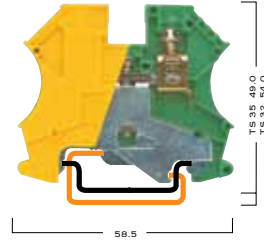
WIDTH 5 MM  
331 120

**WGT 4**

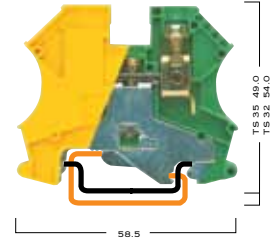
WIDTH 6 MM  
331 130

**WGT 6**

WIDTH 8 MM  
331 140

**WGT 10**

WIDTH 10 MM  
331 150



- V~ / - A / 2.5 MM<sup>2</sup>  
- V~ / - A / 2.5 MM<sup>2</sup>  
- V~ / - A / AWG 26-12

12 MM

0.5 - 4 MM<sup>2</sup>  
1.5 - 2.5 MM<sup>2</sup>  
26 - 12

PART NO. STD. PK.  
**331 120 50**

- V~ / - A / 4 MM<sup>2</sup>  
- V~ / - A / 4 MM<sup>2</sup>  
- V~ / - A / AWG 26-12

12 MM

0.5 - 6 MM<sup>2</sup>  
1.5 - 4 MM<sup>2</sup>  
26 - 10

PART NO. STD. PK.  
**331 130 50**

- V~ / - A / 6 MM<sup>2</sup>  
- V~ / - A / 6 MM<sup>2</sup>  
- V~ / - A / AWG 26-8

12 MM

0.5 - 10 MM<sup>2</sup>  
1.5 - 6 MM<sup>2</sup>  
20 - 8

PART NO. STD. PK.  
**331 140 40**

- V~ / - A / 10 MM<sup>2</sup>  
- V~ / - A / 10 MM<sup>2</sup>  
- V~ / - A / AWG 16-8

12 MM

0.5 - 16 MM<sup>2</sup>  
1.5 - 10 MM<sup>2</sup>  
16 - 6

PART NO. STD. PK.  
**331 150 30**

| TYPE    | PART NO.           | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |
| KD 3    | <b>495 040</b>     | 100      |

| TYPE    | PART NO.           | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |
| KD 3    | <b>495 040</b>     | 100      |

| TYPE    | PART NO.           | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |
| KD 3    | <b>495 040</b>     | 100      |

| TYPE    | PART NO.           | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |
| KD 3    | <b>495 040</b>     | 100      |



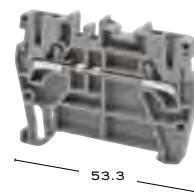
PYK SERIES PRACTICAL SPRING CLAMP TERMINALS. SCREWDRIVER IS NOT NECESSARY TO INSTALL WIRE INTO THE TERMINAL BLOCK. SUITABLE FOR USAGE WITH OR WITHOUT FERRULES. TO MAKE CONNECTION, PUSH THE CABLE INTO THE TERMINAL.

## PYK SERIES

### PRACTICAL SPRING CLAMP FEED THRU TERMINAL BLOCKS AND ACCESSORIES

## PYK 1.5

WIDTH 4.2 MM  
307 009



MR 35 43.0



| COLORS | TERMINALS      | END PLATE   |
|--------|----------------|-------------|
|        | PART NUMBER    | PART NUMBER |
|        | <b>PYK 1.5</b> | <b>NPP</b>  |
| GREY   | 307 009        | 446 449     |
| BLUE   | 307 001        | 446 441     |
| GREEN  | 307 002        | 446 442     |
| YELLOW | 307 003        | 446 443     |
| RED    | 307 004        | 446 444     |
| BEIGE  | 307 000        | 446 440     |
|        |                |             |
|        | <b>PYK 2.5</b> | <b>NPP</b>  |
| GREY   | 307 109        | 446 449     |
| BLUE   | 307 101        | 446 441     |
| GREEN  | 307 102        | 446 442     |
| YELLOW | 307 103        | 446 443     |
| RED    | 307 104        | 446 444     |
| BEIGE  | 307 100        | 446 440     |
|        |                |             |
|        | <b>PYK 4</b>   | <b>NPP</b>  |
| GREY   | 307 119        | 446 459     |
| BLUE   | 307 111        | 446 451     |
| GREEN  | 307 112        | 446 452     |
| YELLOW | 307 113        | 446 453     |
| RED    | 307 114        | 446 454     |
| BEIGE  | 307 110        | 446 450     |
|        |                |             |
|        | <b>PYK 6</b>   | <b>NPP</b>  |
| GREY   | 307 129        | 446 469     |
| BLUE   | 307 121        | 446 461     |
| GREEN  | 307 122        | 446 462     |
| YELLOW | 307 123        | 446 463     |
| RED    | 307 124        | 446 464     |
| BEIGE  | 307 120        | 446 469     |
|        |                |             |
|        | <b>PYK 10</b>  | <b>NPP</b>  |
| GREY   | 307 139        | 446 479     |
| BLUE   | 307 131        | 446 471     |
| GREEN  | 307 132        | 446 472     |
| YELLOW | 307 133        | 446 473     |
| RED    | 307 134        | 446 474     |
| BEIGE  | 307 130        | 446 470     |

#### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

VDE

ATEX

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

10 MM / ...

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SOLID

TS 35x15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

#### END PLATE

THICKNESS 1.2MM

POLYAMIDE 66

GREY



NPP



APP PYK

#### CROSS CONNECTION



#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

#### GROUP MARKING

GE



GE2



GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

800 V / 17.5 A / 1.5 MM<sup>2</sup>

0.5 - 2.5 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 14 / 0.5 - 1.5 MM<sup>2</sup>

TYPE PART. No. QTY.

PYK 1.5 307 009 80

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

NPP PYK 2.5 446 449 100

APP PYK 1.5 463 180 25

UK 1.5/2 476 602 25

UK 1.5/3 476 603 20

UK 1.5/4 476 604 15

UK 1.5/10 476 609 5

IP 2 S 498 130 25

IP 2 498 140 25

GE 496 119 50

GE 2 496 250 25

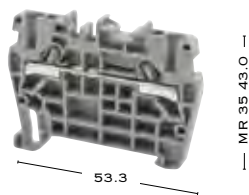
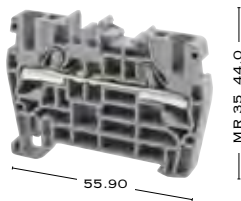
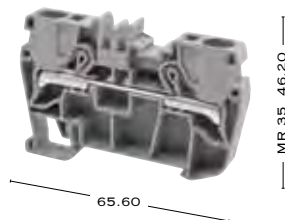
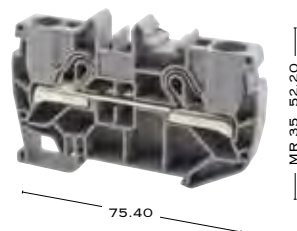
0.2-2.5 MM<sup>2</sup> / 24 A

8 kV / 3

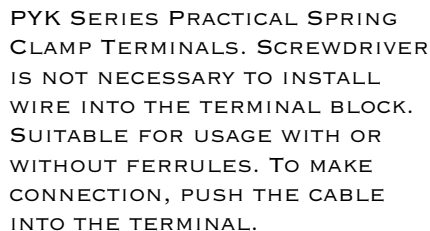
I / A3

IP 20 / -



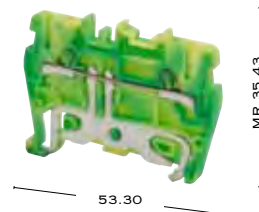
**PYK 2.5**WIDTH 5 MM  
307 109**PYK 4**WIDTH 6 MM  
307 119**PYK 6**WIDTH 8 MM  
307 129**PYK 10**WIDTH 10 MM  
307 139

| VOLTAGE/CURRENT/CROSS-SECTION                     |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                     |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          |
|---------------------------------------------------|--------------------|----------|---------------------------------------------------|--------------------|----------|-----------------------------------------------------|--------------------|----------|-----------------------------------------------------|--------------------|----------|
| 800 V ~ / 24 A / 2.5 MM <sup>2</sup>              |                    |          | 800 V ~ / 32 A / 4 MM <sup>2</sup>                |                    |          | 800 V ~ / 41 A / 6 MM <sup>2</sup>                  |                    |          | 800 V ~ / 57 A / 10 MM <sup>2</sup>                 |                    |          |
| 600 V ~ / 20 A / AWG 22-12                        |                    |          | 600 V ~ / 30 A / AWG 22-10                        |                    |          | 600 V ~ / 45 A / AWG 20-8                           |                    |          | 600 V ~ / 55 A / AWG 20-6                           |                    |          |
| 800 V ~ / 24 A / 2.5 MM <sup>2</sup>              |                    |          | 800 V ~ / 32 A / 4 MM <sup>2</sup>                |                    |          |                                                     |                    |          |                                                     |                    |          |
| 800 V ~ / 24 A                                    |                    |          | 800 V ~ / 32 A                                    |                    |          | 800 V ~ / 41 A                                      |                    |          | 800 V ~ / 57 A                                      |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
| 0.5 - 4 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup> |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                    |          | 0.5 - 10 MM <sup>2</sup> / 0.5 - 10 MM <sup>2</sup> |                    |          | 0.5 - 16 MM <sup>2</sup> / 0.5 - 16 MM <sup>2</sup> |                    |          |
| 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>               |                    |          | 22 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                    |          | 20 - 8 / 0.5 - 6 MM <sup>2</sup>                    |                    |          | 20 - 6 / 0.5 - 10 MM <sup>2</sup>                   |                    |          |
| 10 MM / ...                                       |                    |          | 10 MM / ...                                       |                    |          | 13 MM / ...                                         |                    |          | 15 MM / ...                                         |                    |          |
| TYPE                                              | PART. No.          | QTY.     | TYPE                                              | PART. No.          | QTY.     | TYPE                                                | PART. No.          | QTY.     | TYPE                                                | PART. No.          | QTY.     |
| PYK 2.5                                           | <b>307 109</b>     | 100      | PYK 4                                             | <b>307 119</b>     | 100      | PYK 6                                               | <b>307 129</b>     | 60       | PYK 10                                              | <b>307 139</b>     | 50       |
| TYPE                                              | PART. No.          | STD. PK. | TYPE                                              | PART. No.          | STD. PK. | TYPE                                                | PART. No.          | STD. PK. | TYPE                                                | PART. No.          | STD. PK. |
| SLOTTED                                           |                    |          | SLOTTED                                           |                    |          | SLOTTED                                             |                    |          | SLOTTED                                             |                    |          |
| 35x7.5                                            | <b>TS3575SSL</b>   | 2M       | 35x7.5                                            | <b>TS3575SSL</b>   | 2M       | 35x7.5                                              | <b>TS3575SSL</b>   | 2M       | 35x7.5                                              | <b>TS3575SSL</b>   | 2M       |
| 35x7.5                                            | <b>TS3575SL1</b>   | 1M       | 35x7.5                                            | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                            | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                            | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                             | <b>TS3515SSL</b>   | 2M       | 35x15                                             | <b>TS3515SSL</b>   | 2M       | 35x15                                               | <b>TS3515SSL</b>   | 2M       | 35x15                                               | <b>TS3515SSL</b>   | 2M       |
| SOLID                                             |                    |          | SOLID                                             |                    |          | SOLID                                               |                    |          | SOLID                                               |                    |          |
| 35x7.5                                            | <b>TS3575SOL</b>   | 2M       | 35x7.5                                            | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>   | 2M       |
| 35x15                                             | <b>TS3515SOL</b>   | 2M       | 35x15                                             | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>   | 2M       |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
| NPP PYK 2.5                                       | <b>446 449</b>     | 100      | NPP PYK 4                                         | <b>446 459</b>     | 100      | NPP PYK 6                                           | <b>446 469</b>     | 50       | NPP PYK 10                                          | <b>446 479</b>     | 50       |
| APP PYK 1.5-2.5-4                                 | <b>463 180</b>     | 25       | APP PYK 4                                         | <b>463 180</b>     | 25       | APP PYK 6                                           | <b>463 190</b>     | 25       | APP PYK 10                                          | <b>463 200</b>     | 25       |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                   |                    |          |                                                     |                    |          |                                                     |                    |          |
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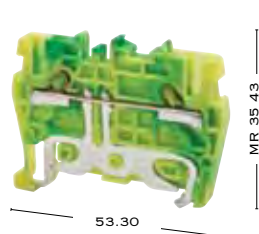
**PYK 1.5 T**

WIDTH 4.2 MM  
336 490

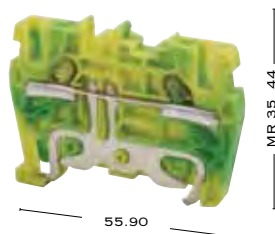


| ELECTRICAL RATINGS                                                                   |                                                                                     | VOLTAGE/CURRENT/CROSS-SECTION |                    |          |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------------------|----------|
| CE (EN 60947-7-2)                                                                    |                                                                                     | - V / - A / 1.5 MM²           |                    |          |
| UL / CSA                                                                             |                                                                                     |                               |                    |          |
| VDE                                                                                  |                                                                                     |                               |                    |          |
| ATEX                                                                                 |                                                                                     |                               |                    |          |
| CONNECTION DATA                                                                      |                                                                                     |                               |                    |          |
| SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.                                   |                                                                                     | 0.5 - 2.5 MM² / 0.5 - 2.5 MM² |                    |          |
| AWG CONDUCTOR / FINE STRAND WITH FERRULE                                             |                                                                                     | 22 - 14 / 0.5 - 1.5 MM²       |                    |          |
| INSULATION STRIPPING LENGTH / TORQUE                                                 |                                                                                     | 10 MM / ...                   |                    |          |
| ORDERING DATA                                                                        |                                                                                     | TYPE                          | PART. NO.          | QTY.     |
| POLYAMIDE 66    GREY                                                                 |                                                                                     | PYK 1.5 T                     | <b>336 490</b>     | 80       |
| MOUNTING RAILS                                                                       |                                                                                     | TYPE                          | PART. NO.          | STD. PK. |
| TS 35X7.5 SOLID                                                                      | TS 35X15 SOLID                                                                      | SLOTTED                       |                    |          |
| TS 35X7.5 SLOTTED                                                                    | TS 35X15 SLOTTED                                                                    | 35X7.5                        | <b>TS3575SL</b>    | 2M       |
|     |    | 35X7.5                        | <b>TS3575SL1</b>   | 1M       |
|                                                                                      |                                                                                     | 35X7.5                        | <b>TS3575SL1-A</b> | 1M       |
|                                                                                      |                                                                                     | 35X15                         | <b>TS3515SL</b>    | 2M       |
| STEEL SLOT DIM.                                                                      |                                                                                     | SOLID                         |                    |          |
| 25MM ON 36MM CENTER                                                                  | 13MM ON 26MM CENTER                                                                 | 35X7.5                        | <b>TS3575SOL</b>   | 2M       |
| 5.2MM SLOT WIDTH                                                                     | 5MM SLOT WIDTH                                                                      | 35X15                         | <b>TS3515SOL</b>   | 2M       |
| END PLATE                                                                            |                                                                                     |                               |                    |          |
| THICKNESS 1.2MM                                                                      | YELLOW-GREEN                                                                        | NPP PYK 1.5-2.5T              | <b>446 442 T</b>   | 100      |
| POLYAMIDE 66                                                                         |  |                               |                    |          |
| WARNING LABEL                                                                        |                                                                                     |                               |                    |          |
| IP                                                                                   |  | IP 2 S <b>498 130</b> 25      |                    |          |
|                                                                                      |  | IP 2 <b>498 140</b> 25        |                    |          |
| WITH SYMBOL                                                                          |                                                                                     |                               |                    |          |
| WITHOUT SYMBOL                                                                       |                                                                                     |                               |                    |          |
| GROUP MARKING                                                                        |                                                                                     |                               |                    |          |
| GE                                                                                   |  | GE <b>496 119</b> 50          |                    |          |
|                                                                                      | GE2                                                                                 | GE 2 <b>496 250</b> 25        |                    |          |
|                                                                                      |  |                               |                    |          |
| GREY                                                                                 |                                                                                     |                               |                    |          |
| TECHNICAL DATA                                                                       |                                                                                     |                               |                    |          |
| • MAX.CLAMPING RANGE / MAX. TECHNICAL DATA                                           |                                                                                     | 0.2-2.5 MM² / -               |                    |          |
| • RATED IMPULSE VOLTAGE / POLLUTION SEVERITY                                         |                                                                                     | 8 kV / 3                      |                    |          |
| • INSULATION MATERIAL GROUP / GAUGE PIN CODE <small>ACCORDING TO IEC 60947-1</small> |                                                                                     | 1 / A3                        |                    |          |
| • PROTECTION CLASS / PROTECTION CONDUCTOR TYPE                                       |                                                                                     | IP 20 / -                     |                    |          |
| MARKING TAGS                                                                         |                                                                                     |                               |                    |          |
| SEE PAGES 104 & 105 FOR FURTHER DETAIL                                               |                                                                                     |                               |                    |          |

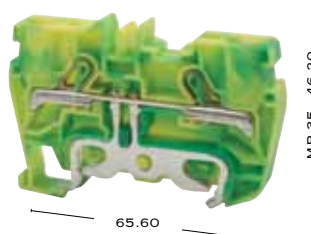
WIDTH 5 MM  
336 500



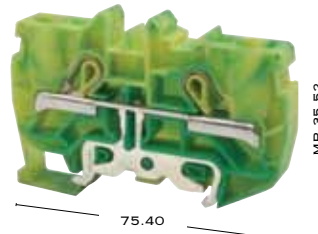
WIDTH 6 MM  
336 510



WIDTH 8 MM  
336 520



WIDTH 10 MM  
336 530

[illegible]



## PYKM SERIES

PRACTICAL SPRING CLAMP  
MINI TERMINAL BLOCKS  
AND ACCESSORIES  
FOR USE WITH 15MM DIN RAIL

## PYKM 2.5

WIDTH 5 MM

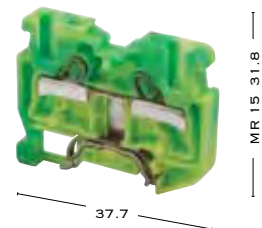
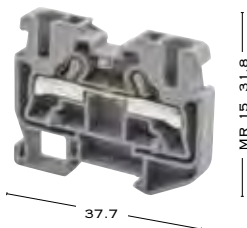
307 399

307 390

## PYKM 2.5 T

WIDTH 5 MM

336 430



### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66

GREY

YELLOW-GREEN

### END PLATE

GREY

YELLOW-GREEN

### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

800 V ~ / 24 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ....

TYPE

PART. NO.

QTY.

PYKM 2.5

307 399

50

PYKM NPP1

446 589

100

PYKM NPP2

446 599

50

### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / - A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ....

TYPE

PART. NO.

QTY.

PYKM 2.5 T

336 430

50

PYKM NPP1

446 582 T

25

PYKM NPP2

446 592 T

25

IP 2 S

498 130

25

IP 2

498 140

25

IP 2 S

498 130

25

IP 2

498 140

25

GE

496 119

50

GE 2

496 250

25

GE

496 119

50

GE 2

496 250

25

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

8 kV / 3

1 / A3

IP 20 / -

0.2 - 4 MM<sup>2</sup> /

8 kV / 3

1 / A3

IP 20 / PE

**PYK TEST**

498 559

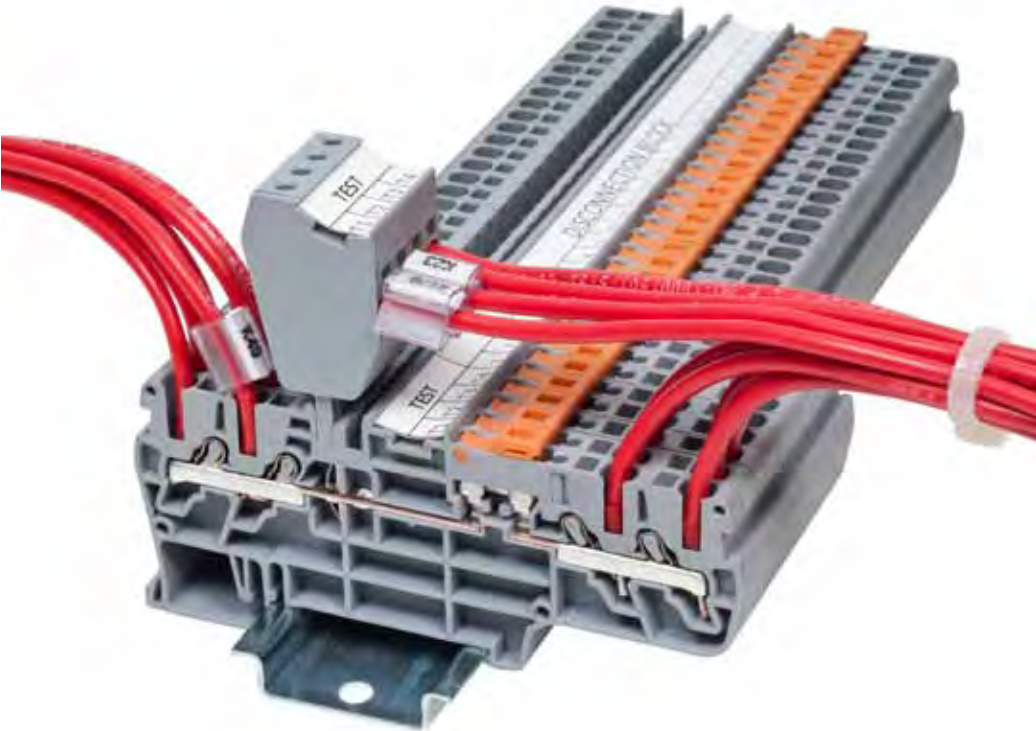
**PYK TEST A**

498 659

PYK TEST TERMINALS, WHICH MINIMIZE THE TIME NEEDED FOR TEST AND CONTROL CONNECTIONS, CAN BE MARKED WITH STANDARD MARKING TAGS AND THERMAL PRINTER LABELS. PYK TEST TERMINALS, BEING AS A GROUP TOGETHER, CAN BE USED WITH PYK 2,5 TERMINALS. WHEN PLATES ARE ADDED TO TEST TERMINALS, THEY CAN BE USED WITH PYK 4 TERMINALS.



| USED FOR TERMINALS |             |
|--------------------|-------------|
| 307 009            | PYK 1.5     |
| 307 109            | PYK 2.5     |
| 307 119            | PYK 4       |
| 307 229            | PYK 4 E     |
| 307 169            | PYK 2.5 A   |
| 307 219            | PYK 2.5 CCA |
| 307 389            | PYK 2.5 C   |
| 307 439            | PYK 2,5 E   |





PYK SERIES PRACTICAL SPRING CLAMP TERMINALS. SCREWDRIVER IS NOT NECESSARY TO INSTALL WIRE INTO THE TERMINAL BLOCK. SUITABLE FOR USAGE WITH OR WITHOUT FERRULES. TO MAKE CONNECTION, PUSH THE CABLE INTO THE TERMINAL.

## PYK SERIES

### DOUBLE-DECK PRACTICAL SPRING CLAMP TERMINAL BLOCKS AND ACCESSORIES

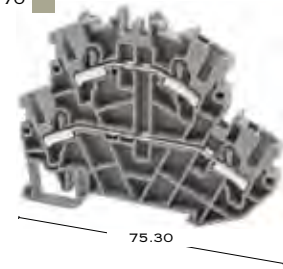


## PYK 2.5-2F

WIDTH 5 MM

307 179

307 170



| ELECTRICAL RATINGS                                                                |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| CE (EN 60947-7-1)                                                                 |                                                                                   |
| UL / CSA                                                                          |                                                                                   |
| VDE                                                                               |                                                                                   |
| ATEX                                                                              |                                                                                   |
| CONNECTION DATA                                                                   |                                                                                   |
| SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.                                |                                                                                   |
| AWG CONDUCTOR / FINE STRAND WITH FERRULE                                          |                                                                                   |
| INSULATION STRIPPING LENGTH / TORQUE                                              |                                                                                   |
| ORDERING DATA                                                                     |                                                                                   |
| POLYAMIDE 66 GREY                                                                 |                                                                                   |
| MOUNTING RAILS                                                                    |                                                                                   |
| TS 35X7.5 SOLID                                                                   | TS 35X15 SOLID                                                                    |
| TS 35X7.5 SLOTTED                                                                 | TS 35X15 SLOTTED                                                                  |
|  |  |
| STEEL SLOT DIM.                                                                   | ALUMINUM SLOT DIM.                                                                |
| 25MM ON 36MM CENTER                                                               | 13MM ON 26MM CENTER                                                               |
| 5.2MM SLOT WIDTH                                                                  | 5MM SLOT WIDTH                                                                    |
| END PLATE                                                                         |                                                                                   |
| THICKNESS 1.2MM                                                                   | GREY                                                                              |
| POLYAMIDE 66                                                                      |                                                                                   |

| ELECTRICAL RATINGS    |  |
|-----------------------|--|
| DIODE REVERSE VOLTAGE |  |
| DIODE CURRENT         |  |
| DIODE                 |  |

| CROSS CONNECTION                                                                    |  |
|-------------------------------------------------------------------------------------|--|
|  |  |

| WARNING LABEL                                                                       |                |
|-------------------------------------------------------------------------------------|----------------|
| IP                                                                                  | WITH SYMBOL    |
|  | WITHOUT SYMBOL |
|  |                |

| GROUP MARKING                                                                       |      |
|-------------------------------------------------------------------------------------|------|
| GE                                                                                  | GREY |
|  |      |
| GE2                                                                                 |      |

| TECHNICAL DATA                                                        |  |
|-----------------------------------------------------------------------|--|
| • MAX.CLAMPING RANGE / MAX. TECHNICAL DATA                            |  |
| • RATED IMPULSE VOLTAGE / POLLUTION SEVERITY                          |  |
| • INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1 |  |
| • PROTECTION CLASS / PROTECTION CONDUCTOR TYPE                        |  |

| MARKING TAGS                           |  |
|----------------------------------------|--|
| SEE PAGES 104 & 105 FOR FURTHER DETAIL |  |

| VOLTAGE/CURRENT/CROSS-SECTION |             |          |
|-------------------------------|-------------|----------|
| 500 V ~ / 24 A / 2.5 MM²      |             |          |
| 500 V ~ / 20 A / AWG 22-12    |             |          |
| 500 V ~ / 21 A                |             |          |
| 0.5 - 4 MM² / 0.5 - 4 MM²     |             |          |
| 22 - 12 / 0.5 - 2.5 MM²       |             |          |
| 10 MM / ...                   |             |          |
| TYPE                          | PART. NO.   | QTY.     |
| PYK 2.5-2F                    | 307 179     | 40       |
| TYPE                          | PART. NO.   | STD. PK. |
| SLOTTED                       |             |          |
| 35x7.5                        | TS3575SL    | 2M       |
| 35x7.5                        | TS3575SL1   | 1M       |
| 35x7.5                        | TS3575SL1-A | 1M       |
| 35x15                         | TS3515SL    | 2M       |
| SOLID                         |             |          |
| 35x7.5                        | TS3575SOL   | 2M       |
| 35x15                         | TS3515SOL   | 2M       |
| NPP PYK 2.5-2F                | 446 519     | 25       |
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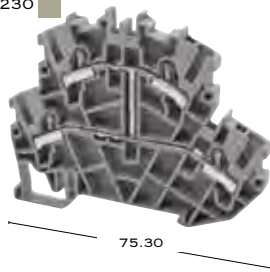


**PYK 2.5-2FK**

WIDTH 5 MM

307 239

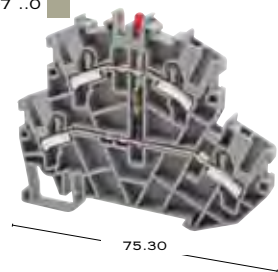
307 230


**PYK 2.5-2FLD**

WIDTH 5 MM

307 ..9

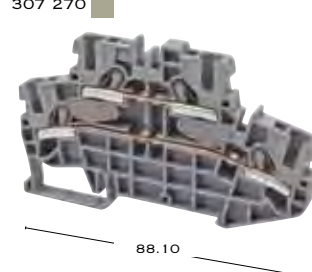
307 ..0


**PYK 4-2F**

WIDTH 6 MM

307 279

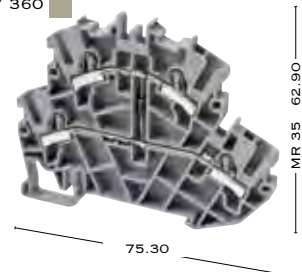
307 270


**PYK 2.5-2FD A**

WIDTH 5 MM

307 369

307 360



VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 32 A / 4 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

 PYK 2.5-2FK **307 239** 40

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

 PYK 2.5-2FLD **307 349** 24Vdc 40

 PYK 2.5-2FLD **307 359** 220VAC 40

 0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

 22 - 10 / 0.5 - 4 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

 PYK 4-2F **307 279** 25

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

 PYK 2.5-2FD A **307 369** 40

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

 NPP PYK 2.5-2F **446 519** 25

 NPP PYK 2.5-2F **446 519** 25

 NPP PYK 4-2F **446 579** 25

 NPP PYK 2.5-2F **446 519** 25

 UK 2.5/2 **476 222** 25

 UK 2.5/3 **476 223** 20

 UK 2.5/4 **476 224** 15

 UK 2.5/10 **476 229** 5

NOTE: ONLY LOWER DECKS CAN BE CROSS-CONNECTED

 IP 2 S **498 130** 25

 IP 2 **498 140** 25

 GE **496 119** 50

 GE 2 **496 250** 25

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -

 UK 2.5/2 **476 222** 25

 UK 2.5/3 **476 223** 20

 UK 2.5/4 **476 224** 15

 UK 2.5/10 **476 229** 5

NOTE: ONLY LOWER DECKS CAN BE CROSS-CONNECTED

 IP 2 S **498 130** 25

 IP 2 **498 140** 25

 GE **496 119** 50

 GE 2 **496 250** 25

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -

 UK 4/2 **476 232** 25

 UK 4/3 **476 233** 20

 UK 4/4 **476 234** 15

 UK 4/10 **476 239** 5

 IP 2 S **498 130** 25

 IP 2 **498 140** 25

 GE **496 119** 50

 GE 2 **496 250** 25

 0.2 - 6 MM<sup>2</sup> / 41 A

6 kV / 3

1 / A4

IP 20 / -

 UK 2.5/2 **476 222** 25

 UK 2.5/3 **476 223** 20

 UK 2.5/4 **476 224** 15

 UK 2.5/10 **476 229** 5

1000 V

0.5 A

1 N 4007

 IP 2 S **498 130** 25

 IP 2 **498 140** 25

 GE **496 119** 50

 GE 2 **496 250** 25

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -



PYK SERIES PRACTICAL SPRING CLAMP TERMINALS. SCREWDRIVER IS NOT NECESSARY TO INSTALL WIRE INTO THE TERMINAL BLOCK. SUITABLE FOR USAGE WITH OR WITHOUT FERRULES. TO MAKE CONNECTION, PUSH THE CABLE INTO THE TERMINAL.

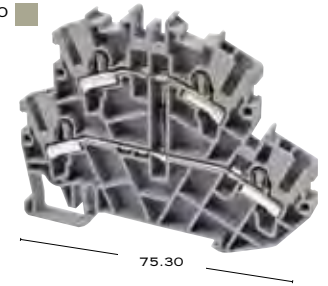
## PYK SERIES

DOUBLE-DECK AND  
MULTILEVEL PRACTICAL  
SPRING CLAMP TERMINAL  
BLOCKS AND ACCESSORIES



## PYK 2.5-2FD B

WIDTH 5 MM  
307 379   
307 370 



### ELECTRICAL RATINGS

CE (EN 60947-7-1/EN 60947-7-2)  
UL / CSA  
ATEX

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY

### MOUNTING RAILS

TS 35x7.5 SOLID  
TS 35x7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35x15 SOLID  
TS 35x15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END PLATE

WIDTH 1.2MM  
POLYAMIDE 66 GREY

### ELECTRICAL RATINGS

DIODE REVERSE VOLTAGE  
DIODE CURRENT  
DIODE

### CROSS CONNECTION



### WARNING LABEL

IP  WITH SYMBOL  
 WITHOUT SYMBOL

### GROUP MARKING

GE  GE2  GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE          | PART. No.      | QTY. |
|---------------|----------------|------|
| PYK 2.5-2FD B | <b>307 379</b> | 40   |

| TYPE    | PART. No.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|                |                |    |
|----------------|----------------|----|
| NPP PYK 2.5-2F | <b>446 519</b> | 25 |
|----------------|----------------|----|

1000 V

0.5 A

1 N 4007

|          |                |    |
|----------|----------------|----|
| UK 2.5/2 | <b>476 222</b> | 25 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/3 | <b>476 223</b> | 20 |
|----------|----------------|----|

|          |                |    |
|----------|----------------|----|
| UK 2.5/4 | <b>476 224</b> | 15 |
|----------|----------------|----|

|           |                |   |
|-----------|----------------|---|
| UK 2.5/10 | <b>476 229</b> | 5 |
|-----------|----------------|---|

|        |                |    |
|--------|----------------|----|
| IP 2 S | <b>498 130</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 2 | <b>498 140</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

|      |                |    |
|------|----------------|----|
| GE 2 | <b>496 250</b> | 25 |
|------|----------------|----|

0.2 - 4 MM<sup>2</sup> / 32 A

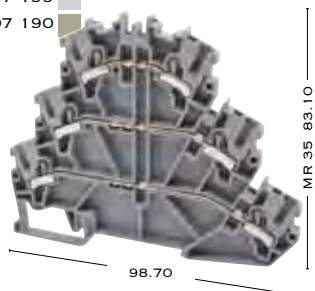
6 kV / 3

1 / A3

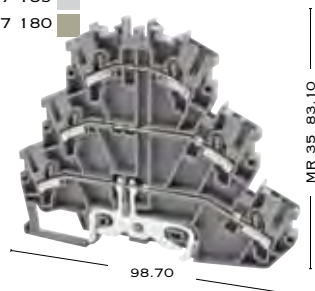
IP 20 / -

**PYK 2.5-3F**

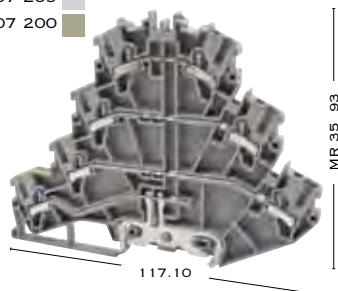
WIDTH 5 MM

 307 199  
307 190

**PYK 2.5-2FT**

WIDTH 5 MM

 307 189  
307 180

**PYK 2.5-3FT**

WIDTH 5 MM

 307 209  
307 200


VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

 500 V ~ / 24 A / 2.5 MM<sup>2</sup>

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

PYK 2.5-3F

**307 199**

30

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

PYK 2.5-2FT

**307 189**

30

 0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE

PART. No.

QTY.

PYK 2.5-3FT

**307 209**

30

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

TYPE

PART. No.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

SOLID

35x7.5

**TS3575SOL**

2M

35x15

**TS3515SOL**

2M

NPP PYK 2.5-2FT

**446 529**

10

NPP PYK 2.5-2FT

**446 529**

10

NPP PYK 2.5-3F

**446 539**

30

UK 2.5/2

**476 222**

25

UK 2.5/3

**476 223**

20

UK 2.5/4

**476 224**

15

UK 2.5/10

**476 229**

5

UK 2.5/2

**476 222**

25

UK 2.5/3

**476 223**

20

UK 2.5/4

**476 224**

15

UK 2.5/10

**476 229**

5

UK 2.5/2

**476 222**

25

UK 2.5/3

**476 223**

20

UK 2.5/4

**476 224**

15

UK 2.5/10

**476 229**

5

IP 2 S

**498 130**

25

IP 2

**498 140**

25

IP 2 S

**498 130**

25

IP 2

**498 140**

25

IP 2 S

**498 130**

25

IP 2

**498 140**

25

GE

**496 119**

50

GE 2

**496 250**

25

GE

**496 119**

50

GE 2

**496 250**

25

GE

**496 119**

50

GE 2

**496 250**

25

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

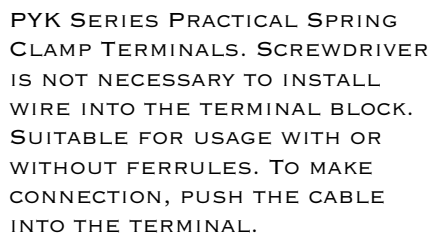
IP 20 / PE

 0.2 - 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

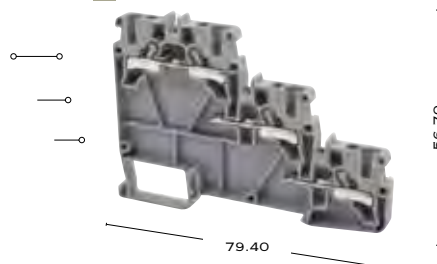
IP 20 / -



## PRACTICAL SPRING CLAMP SENSOR TERMINAL BLOCKS AND ACCESSORIES

WIDTH 5 MM

|         |                                                                                     |
|---------|-------------------------------------------------------------------------------------|
| 307 409 |  |
| 307 400 |  |



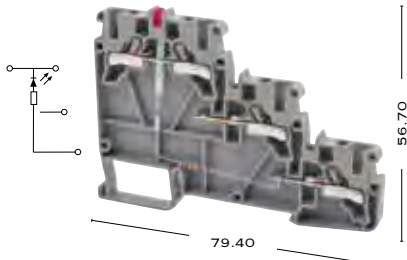
**64** AMERICAN ELECTRICAL • 456 SOUTHLAKE BLVD. • RICHMOND, VA 23236 • 804.379.2899 • FAX: 804.379.8935 • WWW.AMERICANELECTRICAL.COM

## PYK 6 SLD (NPN)

WIDTH 5 MM

307 419

307 410

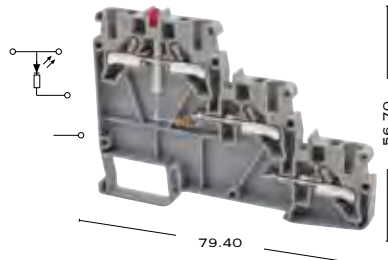


## PYK 3 SLD (PNP)

WIDTH 5 MM

307 429

307 420



VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 24 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 24 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. NO. QTY.

PYK 3 SLD (NPN) **307 419** 20

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

NPP PYK 3 S **446 609** 10

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. NO. QTY.

PYK 3 SLD (PNP) **307 429** 20

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

NPP PYK 3 S **446 609** 10

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2-4 MM<sup>2</sup> / 4 MM<sup>2</sup> - 32 A

8 kV / 3

1 / A3

IP 20 / -

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2-4 MM<sup>2</sup> / 4 MM<sup>2</sup> - 32 A

8 kV / 3

1 / A3

IP 20 / -





PYK SERIES PRACTICAL SPRING CLAMP TERMINALS. SCREWDRIVER IS NOT NECESSARY TO INSTALL WIRE INTO THE TERMINAL BLOCK. SUITABLE FOR USAGE WITH OR WITHOUT FERRULES. TO MAKE CONNECTION, PUSH THE CABLE INTO THE TERMINAL.

## PYK SERIES

PRACTICAL SPRING CLAMP  
FUSE AND DISCONNECT  
TERMINAL BLOCKS  
AND ACCESSORIES



### ELECTRICAL RATINGS

CE (EN 60947-7-3)

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66

GREY

GREY

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



GE2



GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

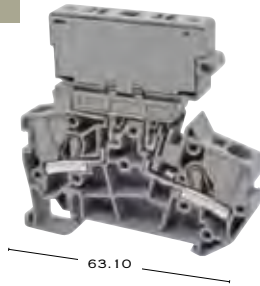
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## PYK 4 S

WIDTH 8 MM

307 249

307 240



### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 MM<sup>2</sup>

0.5 - 6 MM<sup>2</sup> / 0.5 - 6 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

10 MM / ...

| TYPE    | PART. No.      | QTY. |
|---------|----------------|------|
| PYK 4 S | <b>307 249</b> | 15   |

### TYPE PART. No. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

UK 6/2 **476 242** 25

UK 6/3 **476 243** 20

UK 6/4 **476 244** 15

UK 6/10 **476 249** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2-6 MM<sup>2</sup> / 10 A

6 kV / 3

1 / A4

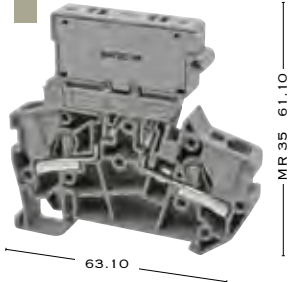
IP 20 / -



## PYK 4 SLD

WIDTH 8 MM

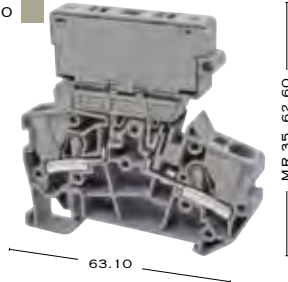
307 ..9  
307 ..0



## PYK 4 I

WIDTH 8 MM

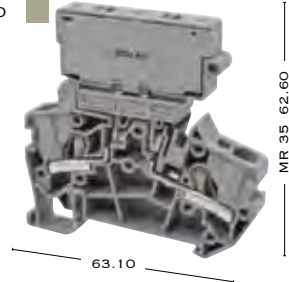
307 319  
307 310



## PYK 4 ILD

WIDTH 8 MM

307 ..9  
307 ..0



| VOLTAGE/CURRENT/CROSS-SECTION                     |                       |          | VOLTAGE/CURRENT/CROSS-SECTION                     |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                     |                       |          |
|---------------------------------------------------|-----------------------|----------|---------------------------------------------------|--------------------|----------|---------------------------------------------------|-----------------------|----------|
| 500 V ~ / 10 A / 4 MM <sup>2</sup>                |                       |          | 500 V ~ / 10 A / 4 MM <sup>2</sup>                |                    |          | 500 V ~ / 10 A / 4 MM <sup>2</sup>                |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                       |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                       |          |
| 22 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                       |          | 22 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                    |          | 22 - 12 / 0.5 - 4 MM <sup>2</sup>                 |                       |          |
| 10 MM / ...                                       |                       |          | 10 MM / ...                                       |                    |          | 10 MM / ...                                       |                       |          |
| TYPE                                              | PART. NO.             | QTY.     | TYPE                                              | PART. NO.          | QTY.     | TYPE                                              | PART. NO.             | QTY.     |
| PYK 4 SLD                                         | <b>307 259</b> 24Vdc  | 15       | PYK 4 I                                           | <b>307 319</b>     | 15       | PYK 4 ILD                                         | <b>307 329</b> 24Vdc  | 15       |
| PYK 4 SLD                                         | <b>307 269</b> 220VAC | 15       |                                                   |                    |          | PYK 4 ILD                                         | <b>307 339</b> 220VAC | 15       |
| TYPE                                              | PART. NO.             | STD. PK. | TYPE                                              | PART. NO.          | STD. PK. | TYPE                                              | PART. NO.             | STD. PK. |
| SLOTTED                                           |                       |          | SLOTTED                                           |                    |          | SLOTTED                                           |                       |          |
| 35x7.5                                            | <b>TS3575SL</b>       | 2M       | 35x7.5                                            | <b>TS3575SL</b>    | 2M       | 35x7.5                                            | <b>TS3575SL</b>       | 2M       |
| 35x7.5                                            | <b>TS3575SL1</b>      | 1M       | 35x7.5                                            | <b>TS3575SL1</b>   | 1M       | 35x7.5                                            | <b>TS3575SL1</b>      | 1M       |
| 35x7.5                                            | <b>TS3575SL1-A</b>    | 1M       | 35x7.5                                            | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                            | <b>TS3575SL1-A</b>    | 1M       |
| 35x15                                             | <b>TS3515SL</b>       | 2M       | 35x15                                             | <b>TS3515SL</b>    | 2M       | 35x15                                             | <b>TS3515SL</b>       | 2M       |
| SOLID                                             |                       |          | SOLID                                             |                    |          | SOLID                                             |                       |          |
| 35x7.5                                            | <b>TS3575SOL</b>      | 2M       | 35x7.5                                            | <b>TS3575SOL</b>   | 2M       | 35x7.5                                            | <b>TS3575SOL</b>      | 2M       |
| 35x15                                             | <b>TS3515SOL</b>      | 2M       | 35x15                                             | <b>TS3515SOL</b>   | 2M       | 35x15                                             | <b>TS3515SOL</b>      | 2M       |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
| UK 6/2                                            | <b>476 242</b>        | 25       | UK 6/2                                            | <b>476 242</b>     | 25       | UK 6/2                                            | <b>476 242</b>        | 25       |
| UK 6/3                                            | <b>476 243</b>        | 20       | UK 6/3                                            | <b>476 243</b>     | 20       | UK 6/3                                            | <b>476 243</b>        | 20       |
| UK 6/4                                            | <b>476 244</b>        | 15       | UK 6/4                                            | <b>476 244</b>     | 15       | UK 6/4                                            | <b>476 244</b>        | 15       |
| UK 6/10                                           | <b>476 249</b>        | 5        | UK 6/10                                           | <b>476 249</b>     | 5        | UK 6/10                                           | <b>476 249</b>        | 5        |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
| IP 2 S                                            | <b>498 130</b>        | 25       | IP 2 S                                            | <b>498 130</b>     | 25       | IP 2 S                                            | <b>498 130</b>        | 25       |
| IP 2                                              | <b>498 140</b>        | 25       | IP 2                                              | <b>498 140</b>     | 25       | IP 2                                              | <b>498 140</b>        | 25       |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
| GE                                                | <b>496 119</b>        | 50       | GE                                                | <b>496 119</b>     | 50       | GE                                                | <b>496 119</b>        | 50       |
| GE 2                                              | <b>496 250</b>        | 25       | GE 2                                              | <b>496 250</b>     | 25       | GE 2                                              | <b>496 250</b>        | 25       |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |
| 0.2-6 MM <sup>2</sup> / 10 A                      |                       |          | 0.2-6 MM <sup>2</sup> / 10 A                      |                    |          | 0.2-6 MM <sup>2</sup> / 10 A                      |                       |          |
| 6 kV / 3                                          |                       |          | 6 kV / 3                                          |                    |          | 6 kV / 3                                          |                       |          |
| 1 / A4                                            |                       |          | 1 / A4                                            |                    |          | 1 / A4                                            |                       |          |
| IP 20 / -                                         |                       |          | IP 20 / -                                         |                    |          | IP 20 / -                                         |                       |          |
|                                                   |                       |          |                                                   |                    |          |                                                   |                       |          |



PYK SERIES PRACTICAL SPRING CLAMP TERMINALS. SCREWDRIVER IS NOT NECESSARY TO INSTALL WIRE INTO THE TERMINAL BLOCK. SUITABLE FOR USAGE WITH OR WITHOUT FERRULES. TO MAKE CONNECTION, PUSH THE CABLE INTO THE TERMINAL.

## PYK SERIES

PRACTICAL SPRING CLAMP  
DISCONNECT TERMINAL  
BLOCKS AND ACCESSORIES

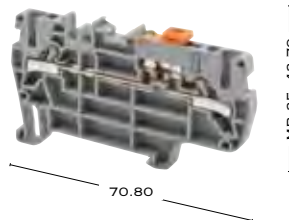


## PYK 2.5 A

WIDTH 5 MM

307 169

307 160



### ELECTRICAL RATINGS

CE (EN 60947-7-3)

### VOLTAGE/CURRENT/CROSS-SECTION

400 V ~ / 20 A / 2.5 mm<sup>2</sup>

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

0.5 - 4 mm<sup>2</sup> / 0.5 - 4 mm<sup>2</sup>

22 - 10 / 0.5 - 2.5 mm<sup>2</sup>

10 mm / ...

### ORDERING DATA

POLYAMIDE 66 GREY

TYPE PART. No. QTY.

PYK 2.5 A 307 169 50

### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END PLATE

THICKNESS 1MM  
POLYAMIDE 66

GREY

NPP PYK 2.5 A 446 509 100

### PUSH-IN CROSS CONNECTION



|           |         |    |
|-----------|---------|----|
| UK 2.5/2  | 476 222 | 25 |
| UK 2.5/3  | 476 223 | 20 |
| UK 2.5/4  | 476 224 | 15 |
| UK 2.5/10 | 476 229 | 5  |

### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

|        |         |    |
|--------|---------|----|
| IP 2 S | 498 130 | 25 |
| IP 2   | 498 140 | 25 |

### GROUP MARKING

GE



GE2



GREY

|      |         |    |
|------|---------|----|
| GE   | 496 119 | 50 |
| GE 2 | 496 250 | 25 |

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2-4 mm<sup>2</sup> / 4 mm<sup>2</sup> - 20 A  
4 kV / 3  
I / A3  
IP 20 / -

### MARKING TAGS

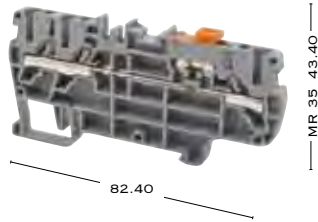
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## PYK 2.5 EA

WIDTH 5 MM

307 459

307 450

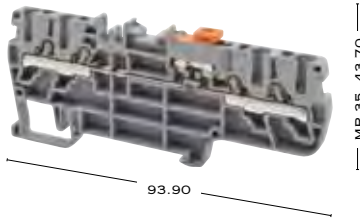


## PYK 2.5 CCA

WIDTH 5 MM

307 219

307 210



VOLTAGE/CURRENT/CROSS-SECTION

400 V ~ / 16 A / 2.5 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

400 V ~ / 16 A / 2.5 MM<sup>2</sup>

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. No. QTY.

PYK 2.5 EA **307 459** 60

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

NPP PYK 2.5 EA **446 629** 100

0.5 - 4 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. No. QTY.

PYK 2.5 CCA **307 219** 60

TYPE PART. No. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

NPP PYK 2.5 CCA **446 549** 100

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

GE 2 **496 250** 25

0.2-4 MM<sup>2</sup> / 4 MM<sup>2</sup> - 20 A

4 kV / 3

1 / A3

IP 20 / -

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 2 S **498 130** 25

IP 2 **498 140** 25

GE **496 119** 50

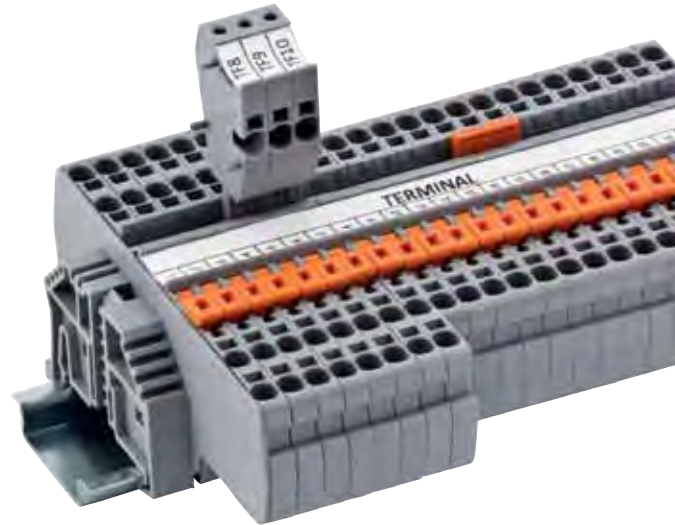
GE 2 **496 250** 25

0.2-4 MM<sup>2</sup> / 4 MM<sup>2</sup> - 20 A

4 kV / 3

1 / A3

IP 20 / -





PYK SERIES MULTI INPUT/  
OUTPUT TERMINALS MAKE WIRING  
MORE PRACTICAL, REDUCING THE  
INSTALLATION COSTS WHERE DOUBLE  
AND MULTILEVEL TERMINALS  
CANNOT BE USED IN THE PANELS.

## PYK SERIES

ONE INPUT-TWO OUTPUT  
TWO INPUT-TWO OUTPUT  
TERMINAL BLOCKS  
AND ACCESSORIES

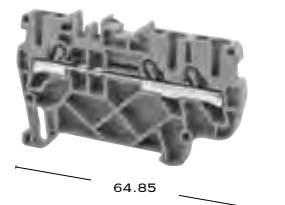


## PYK 2.5 E

WIDTH 5 MM

307 439

307 430



### ELECTRICAL RATINGS

CE (EN 60947-7-2)

UL / CSA

### VOLTAGE/CURRENT/CROSS-SECTION

800 V / 24 A / 2.5 mm<sup>2</sup>

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

0.5 - 4 mm<sup>2</sup> / 0.5 - 4 mm<sup>2</sup>

22 - 12 / 0.5 - 2.5 mm<sup>2</sup>

10 mm / ...

### ORDERING DATA

GREY

YELLOW-GREEN

TYPE

PART. NO.

QTY.

PYK 2.5 E

**307 439**

50

### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH

ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

### END PLATE

THICKNESS 1.2MM

POLYAMIDE 66

GREY

YELLOW-GREEN



TYPE

PART. NO.

STD. PK.

SLOTTED

35x7.5

**TS3575SL**

2M

35x7.5

**TS3575SL1**

1M

35x7.5

**TS3575SL1-A**

1M

35x15

**TS3515SL**

2M

SOLID

35x7.5

**TS3575SOL**

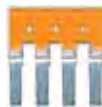
2M

35x15

**TS3515SOL**

2M

### PUSH-IN CROSS CONNECTION



UK 2.5/2

**476 222**

25

UK 2.5/3

**476 223**

20

UK 2.5/4

**476 224**

15

UK 2.5/10

**476 229**

5

### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

IP 2 S

**498 130**

25

IP 2

**498 140**

25

### GROUP MARKING

GE



GE2



GREY

GE

**496 119**

50

GE 2

**496 250**

25

### TECHNICAL DATA

• MAX.CLAMPING RANGE / MAX. TECHNICAL DATA

• RATED IMPULSE VOLTAGE / POLLUTION SEVERITY

• INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1

• PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2-4 mm<sup>2</sup> / 4 mm<sup>2</sup> / 32A

8 kV / 3

1 / A3

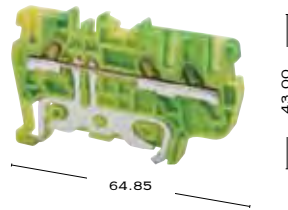
IP 20 / -

### MARKING TAGS

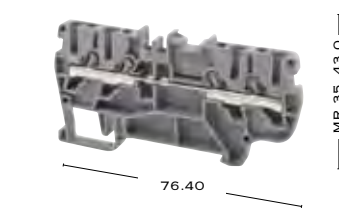
SEE PAGES 104 & 105 FOR FURTHER DETAIL

**PYK 2.5 ET**

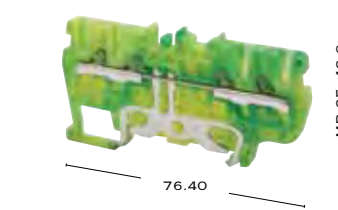
WIDTH 5 MM  
336 550


**PYK 2.5 C**

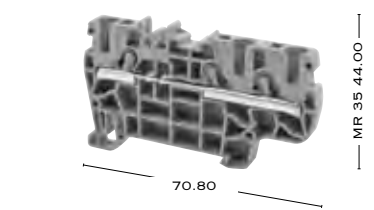
WIDTH 5 MM  
307 389   
307 380 


**PYK 2.5 CT**

WIDTH 5 MM  
336 540


**PYK 4 E**

WIDTH 6 MM  
307 229   
307 220 



| VOLTAGE/CURRENT/CROSS-SECTION |                    |          | VOLTAGE/CURRENT/CROSS-SECTION |                    |          | VOLTAGE/CURRENT/CROSS-SECTION |                    |          | VOLTAGE/CURRENT/CROSS-SECTION |                    |          |
|-------------------------------|--------------------|----------|-------------------------------|--------------------|----------|-------------------------------|--------------------|----------|-------------------------------|--------------------|----------|
| ... V / ... A / 2.5 mm²       |                    |          | 800 V / 24 A / 2.5 mm²        |                    |          | - V / - A / 2.5 mm²           |                    |          | 800 V ~ / 32 A / 4 mm²        |                    |          |
|                               |                    |          | 600 V / 20 A / 12 AWG         |                    |          | - V / - A / 12 AWG            |                    |          | 600 V ~ / 30 A / AWG 22-10    |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          | 800 V ~ / 30 A                |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
| 0.5 - 4 mm² / 0.5 - 4 mm²     |                    |          | 0.5 - 4 mm² / 0.5 - 4 mm²     |                    |          | 0.5 - 4 mm² / 0.5 - 4 mm²     |                    |          | 0.5 - 6 mm² / 0.5 - 6 mm²     |                    |          |
| 22 - 12 / 0.5 - 2.5 mm²       |                    |          | 22 - 12 / 0.5 - 2.5 mm²       |                    |          | 22 - 12 / 0.5 - 2.5 mm²       |                    |          | 22 - 10 / 0.5 - 4 mm²         |                    |          |
| 10 mm / ...                   |                    |          | 10 mm / ...                   |                    |          | 10 mm / ...                   |                    |          | 10 mm / ...                   |                    |          |
| TYPE                          | PART. No.          | QTY.     | TYPE                          | PART. No.          | QTY.     | TYPE                          | PART. No.          | QTY.     | TYPE                          | PART. No.          | QTY.     |
| PYK 2.5 ET                    | <b>336 550</b>     | 50       | PYK 2.5 C                     | <b>307 389</b>     | 50       | PYK 2.5 CT                    | <b>336 540</b>     | 50       | PYK 4 E                       | <b>307 229</b>     | 50       |
| TYPE                          | PART. No.          | STD. PK. | TYPE                          | PART. No.          | STD. PK. | TYPE                          | PART. No.          | STD. PK. | TYPE                          | PART. No.          | STD. PK. |
| SLOTTED                       |                    |          | SLOTTED                       |                    |          | SLOTTED                       |                    |          | SLOTTED                       |                    |          |
| 35x7.5                        | <b>TS3575SL</b>    | 2M       | 35x7.5                        | <b>TS3575SL</b>    | 2M       | 35x7.5                        | <b>TS3575SL</b>    | 2M       | 35x7.5                        | <b>TS3575SL</b>    | 2M       |
| 35x7.5                        | <b>TS3575SL1</b>   | 1M       | 35x7.5                        | <b>TS3575SL1</b>   | 1M       | 35x7.5                        | <b>TS3575SL1</b>   | 1M       | 35x7.5                        | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                        | <b>TS3575SL1-A</b> | 1M       | 35x7.5                        | <b>TS3575SL1-A</b> | 1M       | 35x7.5                        | <b>TS3575SL1-A</b> | 1M       | 35x7.5                        | <b>TS3575SL1-A</b> | 1M       |
| 35x15                         | <b>TS3515SL</b>    | 2M       | 35x15                         | <b>TS3515SL</b>    | 2M       | 35x15                         | <b>TS3515SL</b>    | 2M       | 35x15                         | <b>TS3515SL</b>    | 2M       |
| SOLID                         |                    |          | SOLID                         |                    |          | SOLID                         |                    |          | SOLID                         |                    |          |
| 35x7.5                        | <b>TS3575SOL</b>   | 2M       | 35x7.5                        | <b>TS3575SOL</b>   | 2M       | 35x7.5                        | <b>TS3575SOL</b>   | 2M       | 35x7.5                        | <b>TS3575SOL</b>   | 2M       |
| 35x15                         | <b>TS3515SOL</b>   | 2M       | 35x15                         | <b>TS3515SOL</b>   | 2M       | 35x15                         | <b>TS3515SOL</b>   | 2M       | 35x15                         | <b>TS3515SOL</b>   | 2M       |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          | NPP PYK 2.5 C                 | <b>446 499</b>     | 10       |                               |                    |          | NPP 4 E                       | <b>446 559</b>     | 50       |
| NPP PYK 2.5 ET                | <b>446 612 T</b>   | 10       |                               |                    |          | NPP PYK 2.5 CT                | <b>446 492 T</b>   | 10       |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |
|                               |                    |          |                               |                    |          |                               |                    |          |                               |                    |          |



SPRING CLAMP TERMINALS PROVIDE A FASTER METHOD OF TERMINATING WIRES AS COMPARED TO SCREW CLAMP SYSTEMS. APPROVED BY UL, THEY ARE JUST AS RELIABLE IN FIELD APPLICATIONS.

THE SPRING CLAMP IS OPENED WITH A SMALL SCREWDRIVER INSERTED TO THE SIDE OF THE CLAMP NEXT TO THE WIRE ENTRY WAY. WHEN THE FIELD WIRING IS IN PLACE, THE SCREWDRIVER CAN BE REMOVED AND A RELIABLE, SECURE CONNECTION IS MAINTAINED.

| COLORS | TERMINALS      | END PLATE   |
|--------|----------------|-------------|
|        | PART NUMBER    | PART NUMBER |
|        | <b>YBK 2.5</b> | <b>NPP</b>  |
| BEIGE  | 306 220        | 446 320     |
| BLUE   | 306 221        | 446 321     |
| GREEN  | 306 222        | 446 322     |
| YELLOW | 306 223        | 446 323     |
| RED    | 306 224        | 446 324     |
| GREY   | 306 229        | 446 329     |
|        |                |             |
|        | <b>YBK 4</b>   | <b>NPP</b>  |
| BEIGE  | 306 230        | 446 330     |
| BLUE   | 306 231        | 446 331     |
| GREEN  | 306 232        | 446 332     |
| YELLOW | 306 233        | 446 333     |
| RED    | 306 234        | 446 334     |
| GREY   | 306 239        | 446 339     |
|        |                |             |
|        | <b>YBK 6</b>   | <b>NPP</b>  |
| BEIGE  | 306 240        | 446 340     |
| BLUE   | 306 241        | 446 341     |
| GREEN  | 306 242        | 446 342     |
| YELLOW | 306 243        | 446 343     |
| RED    | 306 244        | 446 344     |
| GREY   | 306 249        | 446 349     |
|        |                |             |
|        | <b>YBK 10</b>  | <b>NPP</b>  |
| BEIGE  | 306 250        | 446 350     |
| BLUE   | 306 251        | 446 351     |
| GREEN  | 306 252        | 446 352     |
| YELLOW | 306 253        | 446 353     |
| RED    | 306 254        | 446 354     |
| GREY   | 306 259        | 446 359     |
|        |                |             |

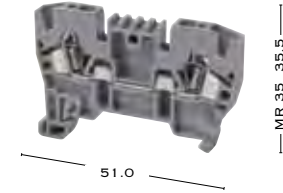


## YBK SERIES

### SPRING CLAMP TERMINAL BLOCKS AND ACCESSORIES

## YBK 2.5

WIDTH 5 MM  
306 229



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 BEIGE  
GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID TS 35X15 SOLID  
TS 35X7.5 SLOTTED TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM BEIGE  
KD 3 GREY



#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - BEIGE  
POLYAMIDE 66 GREY



#### CROSS CONNECTION



#### WARNING LABEL

IP WITH SYMBOL  
WITHOUT SYMBOL



#### GROUP MARKING



#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. NO. QTY.

YBK 2.5 **306 220** 100

YBK 2.5 **306 229** 100

TYPE PART. NO. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

KD 3 **495 040** 100

KD 3 **495 049** 100

NPP YBK 2.5 **446 320** 100

NPP YBK 2.5 **446 329** 100

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 4 S **498 160** 25

IP 4 **498 170** 25

GE **496 110** 50

GE **496 119** 50

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

8 kV / 3

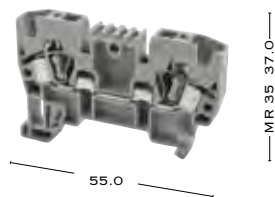
1 / A3

IP 20 / -

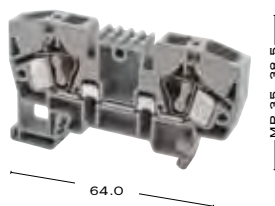


**YBK 4**

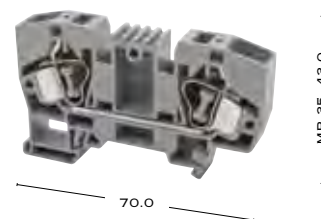
WIDTH 6 MM  
306 239

**YBK 6**

WIDTH 8 MM  
306 249

**YBK 10**

WIDTH 10 MM  
306 259



| VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                        |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                        |                    |          |
|----------------------------------------------------|--------------------|----------|------------------------------------------------------|--------------------|----------|------------------------------------------------------|--------------------|----------|
| 750 V ~ / 32 A / 4 MM <sup>2</sup>                 |                    |          | 750 V ~ / 41 A / 6 MM <sup>2</sup>                   |                    |          | 750 V ~ / 57 A / 10 MM <sup>2</sup>                  |                    |          |
| 600 V ~ / 26 A / AWG 22-10                         |                    |          | 600 V ~ / 35 A / AWG 22-8                            |                    |          | 600 V ~ / 55 A / AWG 22-6                            |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>  |                    |          | 0.5 - 10 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>   |                    |          | 0.5 - 16 MM <sup>2</sup> / 0.5 - 10 MM <sup>2</sup>  |                    |          |
| 22 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                    |          | 22 - 8 / 0.5 - 6 MM <sup>2</sup>                     |                    |          | 20 - 6 / 0.5 - 10 MM <sup>2</sup>                    |                    |          |
| 12 MM / ...                                        |                    |          | 12 MM / ...                                          |                    |          | 13 MM / ...                                          |                    |          |
| TYPE                                               | PART. NO.          | QTY.     | TYPE                                                 | PART. NO.          | QTY.     | TYPE                                                 | PART. NO.          | QTY.     |
| YBK 4                                              | <b>306 230</b>     | 100      | YBK 6                                                | <b>306 240</b>     | 100      | YBK 10                                               | <b>306 250</b>     | 50       |
| YBK 4                                              | <b>306 239</b>     | 100      | YBK 6                                                | <b>306 249</b>     | 100      | YBK 10                                               | <b>306 259</b>     | 50       |
| TYPE                                               | PART. NO.          | STD. PK. | TYPE                                                 | PART. NO.          | STD. PK. | TYPE                                                 | PART. NO.          | STD. PK. |
| SLOTTED                                            |                    |          | SLOTTED                                              |                    |          | SLOTTED                                              |                    |          |
| 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                               | <b>TS3575SL</b>    | 2M       | 35x7.5                                               | <b>TS3575SL</b>    | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                               | <b>TS3575SL1</b>   | 1M       | 35x7.5                                               | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                               | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                               | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                                | <b>TS3515SL</b>    | 2M       | 35x15                                                | <b>TS3515SL</b>    | 2M       |
| SOLID                                              |                    |          | SOLID                                                |                    |          | SOLID                                                |                    |          |
| 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                               | <b>TS3575SOL</b>   | 2M       | 35x7.5                                               | <b>TS3575SOL</b>   | 2M       |
| 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                                | <b>TS3515SOL</b>   | 2M       | 35x15                                                | <b>TS3515SOL</b>   | 2M       |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| KD 3                                               | <b>495 040</b>     | 100      | KD 3                                                 | <b>495 040</b>     | 100      | KD 3                                                 | <b>495 040</b>     | 100      |
| KD 3                                               | <b>495 049</b>     | 100      | KD 3                                                 | <b>495 049</b>     | 100      | KD 3                                                 | <b>495 049</b>     | 100      |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| NPP YBK 4                                          | <b>446 330</b>     | 100      | NPP YBK 6                                            | <b>446 340</b>     | 100      | NPP YBK 10                                           | <b>446 350</b>     | 100      |
| NPP YBK 4                                          | <b>446 339</b>     | 100      | NPP YBK 6                                            | <b>446 349</b>     | 100      | NPP YBK 10                                           | <b>446 359</b>     | 100      |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| UK 4/2                                             | <b>476 232</b>     | 25       | UK 6/2                                               | <b>476 242</b>     | 25       | UK 10/2                                              | <b>476 252</b>     | 25       |
| UK 4/3                                             | <b>476 233</b>     | 20       | UK 6/3                                               | <b>476 243</b>     | 20       | UK 10/3                                              | <b>476 253</b>     | 20       |
| UK 4/4                                             | <b>476 234</b>     | 15       | UK 6/4                                               | <b>476 244</b>     | 15       | UK 10/4                                              | <b>476 254</b>     | 15       |
| UK 4/10                                            | <b>476 239</b>     | 5        | UK 6/10                                              | <b>476 249</b>     | 5        | UK 10/10                                             | <b>476 259</b>     | 5        |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| IP 4 S                                             | <b>498 160</b>     | 25       | IP 4 S                                               | <b>498 160</b>     | 25       | IP 4 S                                               | <b>498 160</b>     | 25       |
| IP 4                                               | <b>498 170</b>     | 25       | IP 4                                                 | <b>498 170</b>     | 25       | IP 4                                                 | <b>498 170</b>     | 25       |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| GE                                                 | <b>496 110</b>     | 50       | GE                                                   | <b>496 110</b>     | 50       | GE                                                   | <b>496 110</b>     | 50       |
| GE                                                 | <b>496 119</b>     | 50       | GE                                                   | <b>496 119</b>     | 50       | GE                                                   | <b>496 119</b>     | 50       |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
|                                                    |                    |          |                                                      |                    |          |                                                      |                    |          |
| 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 41 A |                    |          | 0.2 - 10 MM <sup>2</sup> / 10 MM <sup>2</sup> / 57 A |                    |          | 0.2 - 16 MM <sup>2</sup> / 16 MM <sup>2</sup> / 76 A |                    |          |
| 8 kV / 3                                           |                    |          | 8 kV / 3                                             |                    |          | 8 kV / 3                                             |                    |          |
| 1 / A4                                             |                    |          | 1 / A5                                               |                    |          | 1 / A6                                               |                    |          |
| IP 20 / -                                          |                    |          | IP 20 / -                                            |                    |          | IP 20 / -                                            |                    |          |



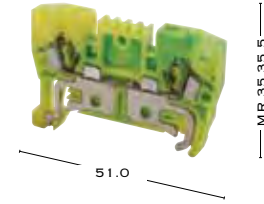
THE YBK SPRING CLAMP  
GROUND TERMINAL BLOCKS  
ELECTRICALLY CONNECT FIELD  
WIRING TO THE DIN RAIL VIA  
THE METALLIC INTERNAL  
PARTS. WHEN THE DIN RAIL  
IS CONNECTED TO METALLIC  
CABINETRY THAT IS SECURED  
TO EARTH, THE PROPER  
GROUNDING TECHNIQUE IS  
COMPLETED.

## YBK SERIES

### SPRING CLAMP GROUND TERMINAL BLOCKS AND ACCESSORIES

## YBK 2.5 T

WIDTH 5 MM  
336 220



#### ELECTRICAL RATINGS

CE (EN 60947-7-2)  
UL / CSA

#### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / - A / 2.5 MM<sup>2</sup>  
- V ~ / - A / AWG 22-12

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>  
22 - 12 / 0.5 - 2.5 MM<sup>2</sup>  
10 MM / ...

#### ORDERING DATA

POLYAMIDE 66 YELLOW-GREEN

TYPE PART. No. QTY.

YBK 2.5 T

336 220

50

#### MOUNTING RAILS

TS 35X7.5 SOLID TS 35X15 SOLID  
TS 35X7.5 SLOTTED TS 35X15 SLOTTED

TYPE PART. No. STD. PK.

SLOTTED

35X7.5 TS3575SL 2M

35X7.5 TS3575SL1 1M

35X7.5 TS3575SL1-A 1M

35X15 TS3515SL 2M

SOLID

35X7.5 TS3575SOL 2M

35X15 TS3515SOL 2M

#### END BRACKET

THICKNESS 8MM BEIGE  
KD 3 GREY

KD 3 495 040 100

KD 3 495 049 100

#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - YELLOW-GREEN  
POLYAMIDE 66

NPP YBK 2.5 T 446 322 T 10

#### GROUP MARKING

GE BEIGE  
GREY

GE 496 110 50

GE 496 119 50

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2 - 4 MM<sup>2</sup> / ...-...

8 kV / 3

1 / A3

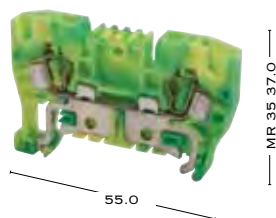
IP 20 / PE

#### MARKING TAGS

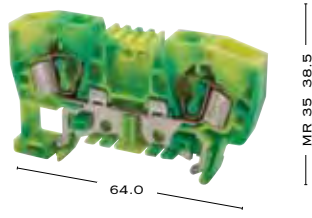
SEE PAGES 104 & 105 FOR FURTHER DETAIL

**YBK 4 T**

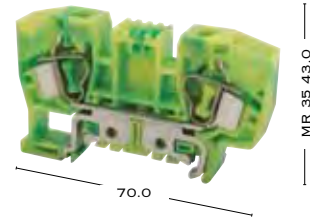
WIDTH 6 MM  
336 230

**YBK 6 T**

WIDTH 8 MM  
336 240

**YBK 10 T**

WIDTH 10 MM  
336 250



| VOLTAGE/CURRENT/CROSS-SECTION                     |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          |
|---------------------------------------------------|--------------------|----------|----------------------------------------------------|--------------------|----------|-----------------------------------------------------|--------------------|----------|
| - V ~ / - A / 4 MM <sup>2</sup>                   |                    |          | - V ~ / - A / 6 MM <sup>2</sup>                    |                    |          | - V ~ / - A / 10 MM <sup>2</sup>                    |                    |          |
| - V ~ / - A / AWG 22-10                           |                    |          | - V ~ / - A / AWG 22-8                             |                    |          | - V ~ / - A / AWG 22-6                              |                    |          |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup> |                    |          | 0.5 - 10 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup> |                    |          | 0.5 - 16 MM <sup>2</sup> / 0.5 - 10 MM <sup>2</sup> |                    |          |
| 22 - 10 / 0.5 - 4 MM <sup>2</sup>                 |                    |          | 22 - 8 / 0.5 - 6 MM <sup>2</sup>                   |                    |          | 20 - 6 / 0.5 - 10 MM <sup>2</sup>                   |                    |          |
| 12 MM / ...                                       |                    |          | 13 MM / ...                                        |                    |          | 13 MM / ...                                         |                    |          |
| TYPE                                              | PART. NO.          | QTY.     | TYPE                                               | PART. NO.          | QTY.     | TYPE                                                | PART. NO.          | QTY.     |
| YBK 4 T                                           | <b>336 230</b>     | 50       | YBK 6 T                                            | <b>336 240</b>     | 100      | YBK 10 T                                            | <b>336 250</b>     | 50       |
| TYPE                                              | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.          | STD. PK. | TYPE                                                | PART. NO.          | STD. PK. |
| SLOTTED                                           |                    |          | SLOTTED                                            |                    |          | SLOTTED                                             |                    |          |
| 35x7.5                                            | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                              | <b>TS3575SL</b>    | 2M       |
| 35x7.5                                            | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                            | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                             | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                               | <b>TS3515SL</b>    | 2M       |
| SOLID                                             |                    |          | SOLID                                              |                    |          | SOLID                                               |                    |          |
| 35x7.5                                            | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>   | 2M       |
| 35x15                                             | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>   | 2M       |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
| KD 3                                              | <b>495 040</b>     | 100      | KD 3                                               | <b>495 040</b>     | 100      | KD 3                                                | <b>495 040</b>     | 100      |
| KD 3                                              | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>     | 100      | KD 3                                                | <b>495 049</b>     | 100      |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
| NPP YBK 4 T                                       | <b>446 332 T</b>   | 10       | NPP YBK 6 T                                        | <b>446 342 T</b>   | 10       | NPP YBK 10 T                                        | <b>446 352 T</b>   | 10       |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
| GE                                                | <b>496 110</b>     | 50       | GE                                                 | <b>496 110</b>     | 50       | GE                                                  | <b>496 110</b>     | 50       |
| GE                                                | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>     | 50       | GE                                                  | <b>496 119</b>     | 50       |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |
| 0.2 - 6 MM <sup>2</sup> / ...-...                 |                    |          | 0.2 - 10 MM <sup>2</sup> / ...-...                 |                    |          | 0.2 - 16 MM <sup>2</sup> / ...-...                  |                    |          |
| 8 kV / 3                                          |                    |          | 8 kV / 3                                           |                    |          | 8 kV / 3                                            |                    |          |
| 1 / A4                                            |                    |          | 1 / A5                                             |                    |          | 1 / A6                                              |                    |          |
| IP 20 / PE                                        |                    |          | IP 20 / PE                                         |                    |          | IP 20 / PE                                          |                    |          |
|                                                   |                    |          |                                                    |                    |          |                                                     |                    |          |



SPRING CLAMP TERMINALS PROVIDE A FASTER METHOD OF TERMINATING WIRES AS COMPARED TO SCREW CLAMP SYSTEMS. APPROVED BY UL, THEY ARE JUST AS RELIABLE IN FIELD APPLICATIONS.

THE SPRING CLAMP IS OPENED WITH A SMALL SCREWDRIVER INSERTED TO THE SIDE OF THE CLAMP NEXT TO THE WIRE ENTRY WAY. WHEN THE FIELD WIRING IS IN PLACE, THE SCREWDRIVER CAN BE REMOVED AND A RELIABLE, SECURE CONNECTION IS MAINTAINED.

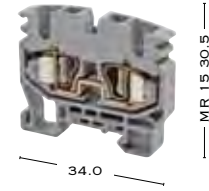
## MYK SERIES

MINI SPRING CLAMP  
TERMINAL BLOCKS FOR  
USE WITH 15MM WIDE  
DIN RAIL



## MYK 2.5

WIDTH 5 MM  
306 429   
306 420 



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-2 / 60998-2-2)  
UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66 GREY  
YELLOW-GREEN

### MOUNTING RAILS

TS 35x7.5 SOLID TS 35x15 SOLID  
TS 35x7.5 SLOTTED TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM  
KD 5



BEIGE  
GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM  
POLYAMIDE 66



MYK NPP 1

GREY  
YELLOW-GREEN



MYK NPP 2

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



BEIGE  
GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>  
600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>  
22 - 12 / 0.5 - 2.5 MM<sup>2</sup>  
10 MM / ...

| TYPE    | PART. NO. | QTY. |
|---------|-----------|------|
| MYK 2.5 | 306 429   | 50   |

| TYPE    | PART. NO.   | STD. PK. |
|---------|-------------|----------|
| SLOTTED |             |          |
| 35x7.5  | TS3575SL    | 2M       |
| 35x7.5  | TS3575SL1   | 1M       |
| 35x7.5  | TS3575SL1-A | 1M       |
| 35x15   | TS3515SL    | 2M       |
| SOLID   |             |          |
| 35x7.5  | TS3575SOL   | 2M       |
| 35x15   | TS3515SOL   | 2M       |

|      |         |     |
|------|---------|-----|
| KD 5 | 495 060 | 100 |
| KD 5 | 495 069 | 100 |

|           |         |     |
|-----------|---------|-----|
| MYK NPP 1 | 446 429 | 100 |
| MYK NPP 2 | 446 439 | 100 |

|           |         |    |
|-----------|---------|----|
| UK 2.5/2  | 476 222 | 25 |
| UK 2.5/3  | 476 223 | 20 |
| UK 2.5/4  | 476 224 | 15 |
| UK 2.5/10 | 476 229 | 5  |

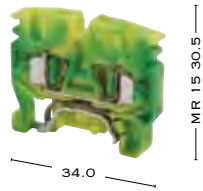
|        |         |    |
|--------|---------|----|
| IP 4 S | 498 160 | 25 |
| IP 4   | 498 170 | 25 |

|    |         |    |
|----|---------|----|
| GE | 496 110 | 50 |
| GE | 496 119 | 50 |

|                                                    |
|----------------------------------------------------|
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A |
| 8 kV / 3                                           |
| I / A3                                             |
| IP 20 / -                                          |

## MYK 2.5 T

WIDTH 5 MM  
336 420



### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / - A / 2.5 MM<sup>2</sup>

- V ~ / - A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE | PART. NO. | QTY. |
|------|-----------|------|
|------|-----------|------|

|           |                |    |
|-----------|----------------|----|
| MYK 2.5 T | <b>336 420</b> | 50 |
|-----------|----------------|----|

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

SLOTTED

|        |                 |    |
|--------|-----------------|----|
| 35x7.5 | <b>TS3575SL</b> | 2M |
|--------|-----------------|----|

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SL1</b> | 1M |
|--------|------------------|----|

|        |                    |    |
|--------|--------------------|----|
| 35x7.5 | <b>TS3575SL1-A</b> | 1M |
|--------|--------------------|----|

|       |                 |    |
|-------|-----------------|----|
| 35x15 | <b>TS3515SL</b> | 2M |
|-------|-----------------|----|

SOLID

|        |                  |    |
|--------|------------------|----|
| 35x7.5 | <b>TS3575SOL</b> | 2M |
|--------|------------------|----|

|       |                  |    |
|-------|------------------|----|
| 35x15 | <b>TS3515SOL</b> | 2M |
|-------|------------------|----|

|      |                |     |
|------|----------------|-----|
| KD 5 | <b>495 060</b> | 100 |
|------|----------------|-----|

|      |                |     |
|------|----------------|-----|
| KD 5 | <b>495 069</b> | 100 |
|------|----------------|-----|

|               |                  |    |
|---------------|------------------|----|
| NPP MYK 2.5 T | <b>446 332 T</b> | 10 |
|---------------|------------------|----|

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
|--------|----------------|----|

|      |                |    |
|------|----------------|----|
| IP 4 | <b>498 170</b> | 25 |
|------|----------------|----|

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
|----|----------------|----|

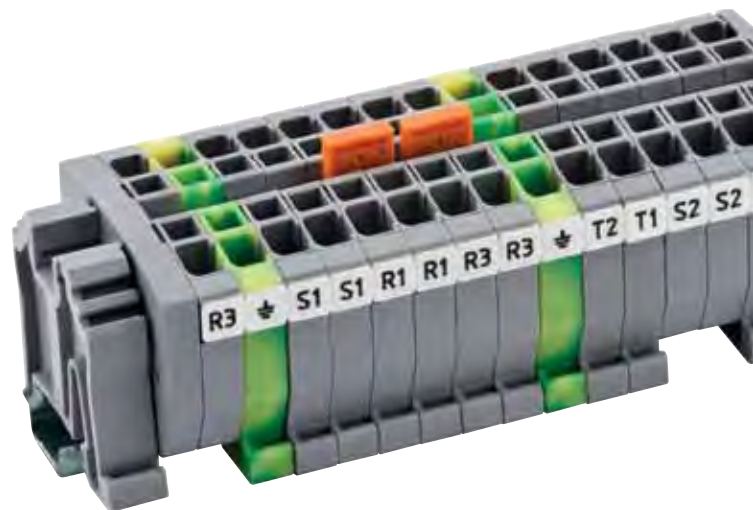
|    |                |    |
|----|----------------|----|
| GE | <b>496 119</b> | 50 |
|----|----------------|----|

0.2 - 6 MM<sup>2</sup> / ...-...

8 kV / 3

1 / A3

IP 20 / PE





DOUBLE-DECK SPRING CLAMP  
TERMINALS PROVIDE A FASTER  
METHOD OF TERMINATING  
WIRES AS COMPARED TO SCREW  
CLAMP SYSTEMS. APPROVED BY  
UL, THEY ARE JUST AS RELI-  
ABLE IN FIELD APPLICATIONS.

THE SPRING CLAMP IS OPENED  
WITH A SMALL SCREWDRIVER  
INSERTED TO THE SIDE OF THE  
CLAMP NEXT TO THE WIRE  
ENTRY WAY. WHEN THE FIELD  
WIRING IS IN PLACE, THE  
SCREWDRIVER CAN BE  
REMOVED AND A RELIABLE,  
SECURE CONNECTION IS  
MAINTAINED.

## YBK SERIES

### DOUBLE-DECK SPRING CLAMP TERMINAL BLOCKS AND ACCESSORIES

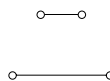


## YBK 2.5-2 F

WIDTH 5 MM

316 109

316 100



83.7

MR 35 64.8

#### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66

GREY

GREY

GREY

GREY

GREY

GREY

GREY

GREY

#### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM

KD 3



BEIGE

GREY

#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM -

POLYAMIDE 66



GREY

#### CROSS CONNECTION



#### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

#### GROUP MARKING

GE



BEIGE

GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

#### TYPE PART. NO. QTY.

YBK 2.5-2 F **316 109** 30

#### TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 040** 100

KD 3 **495 049** 100

NPP YBK 2.5-2 F **446 299** 10

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 4 S **498 160** 25

IP 4 **498 170** 25

GE **496 110** 50

GE **496 119** 50

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

8 kV / 3

I / A3

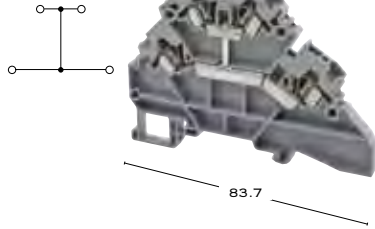
IP 20 / -

# YBK 2.5-2 FK

WIDTH 6 MM

316 129

316 120

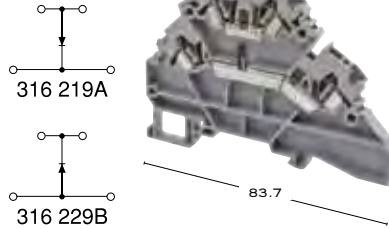


# YBK 2.5-2 FD

WIDTH 5 MM

316 219/229

316 210/220

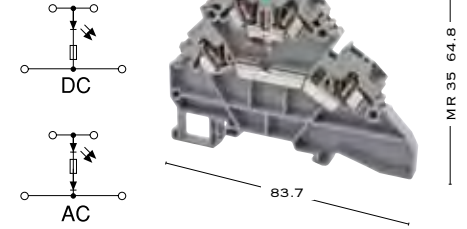


# YBK 2.5-2 FLD

WIDTH 5 MM

316 ...9

316 ...0



| VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                         |          |
|-----------------------------------------------------|--------------------|----------|-----------------------------------------------------|--------------------|----------|-----------------------------------------------------|-------------------------|----------|
| 500 V ~ / 24 A / 2.5 MM <sup>2</sup>                |                    |          | 500 V ~ / 24 A / 2.5 MM <sup>2</sup>                |                    |          | - V ~ / 24 A / 2.5 MM <sup>2</sup>                  |                         |          |
| 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                    |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                    |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                         |          |
| 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                    |          | 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                    |          | 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                         |          |
| 10 MM / ...                                         |                    |          | 10 MM / ...                                         |                    |          | 10 MM / ...                                         |                         |          |
| TYPE                                                | PART. NO.          | QTY.     | TYPE                                                | PART. NO.          | QTY.     | TYPE                                                | PART. NO.               | QTY.     |
| YBK 2.5-2 FK                                        | <b>316 129</b>     | 30       | YBK 2.5-2 FD-A                                      | <b>316 219</b>     | 30       | YBK 2.5-2 FLD                                       | <b>316 319</b> (24VAC)  | 30       |
|                                                     |                    |          | YBK 2.5-2 FD-B                                      | <b>316 229</b>     | 30       | YBK 2.5-2 FLD                                       | <b>316 329</b> (24VDC)  | 30       |
|                                                     |                    |          |                                                     |                    |          | YBK 2.5-2 FLD                                       | <b>316 419</b> (48VAC)  | 30       |
|                                                     |                    |          |                                                     |                    |          | YBK 2.5-2 FLD                                       | <b>316 429</b> (48VDC)  | 30       |
|                                                     |                    |          | ELECTRICAL                                          | DIODE REV. VOLT.   | 1000V    | YBK 2.5-2 FLD                                       | <b>316 619</b> (110VAC) | 30       |
|                                                     |                    |          | RATINGS                                             | DIODE CURRENT      | 0.5 A    | YBK 2.5-2 FLD                                       | <b>316 629</b> (110VDC) | 30       |
|                                                     |                    |          |                                                     | DIODE              | 1 N 4007 | YBK 2.5-2 FLD                                       | <b>316 719</b> (220VAC) | 30       |
|                                                     |                    |          |                                                     |                    |          | YBK 2.5-2 FLD                                       | <b>316 729</b> (220VDC) | 30       |
| TYPE                                                | PART. NO.          | STD. PK. | TYPE                                                | PART. NO.          | STD. PK. | TYPE                                                | PART. NO.               | STD. PK. |
| SLOTTED                                             |                    |          | SLOTTED                                             |                    |          | SLOTTED                                             |                         |          |
| 35x7.5                                              | <b>TS3575SL</b>    | 2M       | 35x7.5                                              | <b>TS3575SL</b>    | 2M       | 35x7.5                                              | <b>TS3575SL</b>         | 2M       |
| 35x7.5                                              | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>        | 1M       |
| 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>      | 1M       |
| 35x15                                               | <b>TS3515SL</b>    | 2M       | 35x15                                               | <b>TS3515SL</b>    | 2M       | 35x15                                               | <b>TS3515SL</b>         | 2M       |
| SOLID                                               |                    |          | SOLID                                               |                    |          | SOLID                                               |                         |          |
| 35x7.5                                              | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>        | 2M       |
| 35x15                                               | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>        | 2M       |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| KD 3                                                | <b>495 040</b>     | 100      | KD 3                                                | <b>495 040</b>     | 100      | KD 3                                                | <b>495 040</b>          | 100      |
| KD 3                                                | <b>495 049</b>     | 100      | KD 3                                                | <b>495 049</b>     | 100      | KD 3                                                | <b>495 049</b>          | 100      |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| NPP YBK 2.5-2 F                                     | <b>446 299</b>     | 10       | NPP YBK 2.5-2 F                                     | <b>446 299</b>     | 10       | NPP YBK 2.5-2 F                                     | <b>446 299</b>          | 10       |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| UK 2.5/2                                            | <b>476 222*</b>    | 25       | UK 2.5/2                                            | <b>476 222*</b>    | 25       | UK 2.5/2                                            | <b>476 222*</b>         | 25       |
| UK 2.5/3                                            | <b>476 223*</b>    | 20       | UK 2.5/3                                            | <b>476 223*</b>    | 20       | UK 2.5/3                                            | <b>476 223*</b>         | 20       |
| UK 2.5/4                                            | <b>476 224*</b>    | 15       | UK 2.5/4                                            | <b>476 224*</b>    | 15       | UK 2.5/4                                            | <b>476 224*</b>         | 15       |
| UK 2.5/10                                           | <b>476 229*</b>    | 5        | UK 2.5/10                                           | <b>476 229*</b>    | 5        | UK 2.5/10                                           | <b>476 229*</b>         | 5        |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| IP 4 S                                              | <b>498 160</b>     | 25       | IP 4 S                                              | <b>498 160</b>     | 25       | IP 4 S                                              | <b>498 160</b>          | 25       |
| IP 4                                                | <b>498 170</b>     | 25       | IP 4                                                | <b>498 170</b>     | 25       | IP 4                                                | <b>498 170</b>          | 25       |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| GE                                                  | <b>496 110</b>     | 50       | GE                                                  | <b>496 110</b>     | 50       | GE                                                  | <b>496 110</b>          | 50       |
| GE                                                  | <b>496 119</b>     | 50       | GE                                                  | <b>496 119</b>     | 50       | GE                                                  | <b>496 119</b>          | 50       |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                    |          |                                                     |                         |          |
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A  |                    |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A  |                    |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A  |                         |          |
| 8 kV / 3                                            |                    |          | 8 kV / 3                                            |                    |          | 8 kV / 3                                            |                         |          |
| 1 / A3                                              |                    |          | 1 / A3                                              |                    |          | 1 / A3                                              |                         |          |
| IP 20 / -                                           |                    |          | IP 20 / -                                           |                    |          | IP 20 / -                                           |                         |          |

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED \* ONLY LOWER DECKS CAN BE CROSS-CONNECTED \* ONLY LOWER DECKS CAN BE CROSS-CONNECTED





DOUBLE-DECK SPRING CLAMP  
TERMINALS PROVIDE A FASTER  
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CLAMP NEXT TO THE WIRE  
ENTRY WAY. WHEN THE FIELD  
WIRING IS IN PLACE, THE  
SCREWDRIVER CAN BE  
REMOVED AND A RELIABLE,  
SECURE CONNECTION IS  
MAINTAINED.

## YBK SERIES

### DOUBLE-DECK SPRING CLAMP TERMINAL BLOCKS AND ACCESSORIES



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

|              |      |
|--------------|------|
| POLYAMIDE 66 | GREY |
|              | GREY |
|              | GREY |
|              | GREY |
|              | GREY |
|              | GREY |
|              | GREY |

#### MOUNTING RAILS

|                   |                  |
|-------------------|------------------|
| TS 35X7.5 SOLID   | TS 35X15 SOLID   |
| TS 35X7.5 SLOTTED | TS 35X15 SLOTTED |



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

|               |       |
|---------------|-------|
| THICKNESS 8MM | BEIGE |
| KD 3          | GREY  |



#### END PLATE - DISCONNECT PLATE

|              |      |
|--------------|------|
| WIDTH 1.5 MM | GREY |
| POLYAMIDE 66 |      |



#### CROSS CONNECTION



#### WARNING LABEL

|    |                |
|----|----------------|
| IP | WITH SYMBOL    |
|    | WITHOUT SYMBOL |



#### GROUP MARKING

GE



BEIGE  
GREY

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

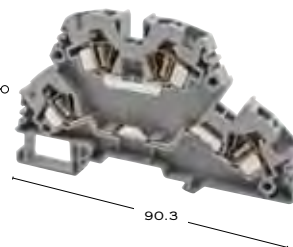
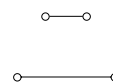
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## YBK 4-2 F

WIDTH 5 MM

318 109

318 100



#### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 4 MM<sup>2</sup>

600 V ~ / 26 A / AWG 22-10

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| YBK 4-2 F | <b>318 109</b> | 50   |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

|         |                    |    |
|---------|--------------------|----|
| SLOTTED |                    |    |
| 35X7.5  | <b>TS3575SL</b>    | 2M |
| 35X7.5  | <b>TS3575SL1</b>   | 1M |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M |
| 35X15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35X7.5  | <b>TS3575SOL</b>   | 2M |
| 35X15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|               |                |    |
|---------------|----------------|----|
| NPP YBK 4-2 F | <b>446 269</b> | 25 |
|---------------|----------------|----|

|         |                |    |
|---------|----------------|----|
| UK 4/2  | <b>476 232</b> | 25 |
| UK 4/3  | <b>476 233</b> | 20 |
| UK 4/4  | <b>476 234</b> | 15 |
| UK 4/10 | <b>476 239</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 41 A

8 kV / 3

I / A4

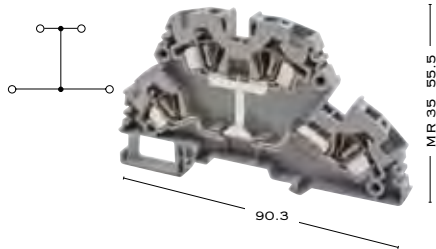
IP 20 / -

# YBK 4-2 FK

WIDTH 6 MM

318 129

318 120

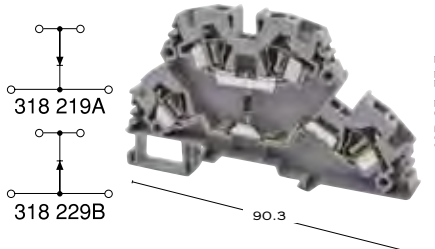


# YBK 4-2 FD

WIDTH 6 MM

318 219/229

318 210/220

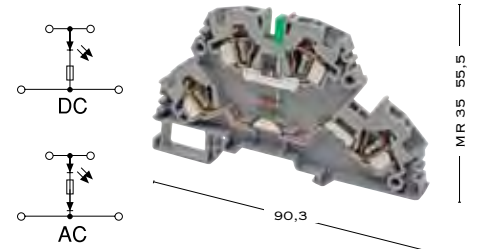


# YBK 4-2 FLD

WIDTH 6 MM

318 ...9

318 ...0



| VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                      |                         |          |
|----------------------------------------------------|--------------------|----------|----------------------------------------------------|--------------------|----------|----------------------------------------------------|-------------------------|----------|
| 750 V ~ / 32 A / 4 MM <sup>2</sup>                 |                    |          | 750 V ~ / 32 A / 4 MM <sup>2</sup>                 |                    |          | - V ~ / 24 A / 2.5 MM <sup>2</sup>                 |                         |          |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>  |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>  |                    |          | 0.5 - 6 MM <sup>2</sup> / 0.5 - 4 MM <sup>2</sup>  |                         |          |
| 22 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                    |          | 22 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                    |          | 22 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                         |          |
| 12 MM / ...                                        |                    |          | 12 MM / ...                                        |                    |          | 12 MM / ...                                        |                         |          |
| TYPE                                               | PART. NO.          | QTY.     | TYPE                                               | PART. NO.          | QTY.     | TYPE                                               | PART. NO.               | QTY.     |
| YBK 4-2 FK                                         | <b>318 129</b>     | 20       | YBK 4-2 FD-A                                       | <b>318 219</b>     | 20       | YBK 4-2 FLD                                        | <b>318 319</b> (24VAC)  | 20       |
|                                                    |                    |          | YBK 4-2 FD-B                                       | <b>318 229</b>     | 20       | YBK 4-2 FLD                                        | <b>318 329</b> (24VDC)  | 20       |
|                                                    |                    |          |                                                    |                    |          | YBK 4-2 FLD                                        | <b>318 419</b> (48VAC)  | 20       |
|                                                    |                    |          |                                                    |                    |          | YBK 4-2 FLD                                        | <b>318 429</b> (48VDC)  | 20       |
|                                                    |                    |          | ELECTRICAL                                         | DIODE REV. VOLT.   | 1000V    | YBK 4-2 FLD                                        | <b>318 619</b> (110VAC) | 20       |
|                                                    |                    |          | RATINGS                                            | DIODE CURRENT      | 0.5 A    | YBK 4-2 FLD                                        | <b>318 629</b> (110VDC) | 20       |
|                                                    |                    |          |                                                    | DIODE              | 1 N 4007 | YBK 4-2 FLD                                        | <b>318 719</b> (220VAC) | 20       |
|                                                    |                    |          |                                                    |                    |          | YBK 4-2 FLD                                        | <b>318 729</b> (220VDC) | 20       |
| TYPE                                               | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.          | STD. PK. | TYPE                                               | PART. NO.               | STD. PK. |
| SLOTTED                                            |                    |          | SLOTTED                                            |                    |          | SLOTTED                                            |                         |          |
| 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>    | 2M       | 35x7.5                                             | <b>TS3575SL</b>         | 2M       |
| 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>   | 1M       | 35x7.5                                             | <b>TS3575SL1</b>        | 1M       |
| 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                             | <b>TS3575SL1-A</b>      | 1M       |
| 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>    | 2M       | 35x15                                              | <b>TS3515SL</b>         | 2M       |
| SOLID                                              |                    |          | SOLID                                              |                    |          | SOLID                                              |                         |          |
| 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>   | 2M       | 35x7.5                                             | <b>TS3575SOL</b>        | 2M       |
| 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>   | 2M       | 35x15                                              | <b>TS3515SOL</b>        | 2M       |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| KD 3                                               | <b>495 040</b>     | 100      | KD 3                                               | <b>495 040</b>     | 100      | KD 3                                               | <b>495 040</b>          | 100      |
| KD 3                                               | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>     | 100      | KD 3                                               | <b>495 049</b>          | 100      |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| NPP YBK 4-2 F                                      | <b>446 269</b>     | 25       | NPP YBK 4-2 F                                      | <b>446 269</b>     | 25       | NPP YBK 4-2 F                                      | <b>446 269</b>          | 25       |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| UK 4/2                                             | <b>476 232*</b>    | 25       | UK 4/2                                             | <b>476 232*</b>    | 25       | UK 4/2                                             | <b>476 232*</b>         | 25       |
| UK 4/3                                             | <b>476 233*</b>    | 20       | UK 4/3                                             | <b>476 233*</b>    | 20       | UK 4/3                                             | <b>476 233*</b>         | 20       |
| UK 4/4                                             | <b>476 234*</b>    | 15       | UK 4/4                                             | <b>476 234*</b>    | 15       | UK 4/4                                             | <b>476 234*</b>         | 15       |
| UK 4/10                                            | <b>476 239*</b>    | 5        | UK 4/10                                            | <b>476 239*</b>    | 5        | UK 4/10                                            | <b>476 239*</b>         | 5        |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| IP 4 S                                             | <b>498 160</b>     | 25       | IP 4 S                                             | <b>498 160</b>     | 25       | IP 4 S                                             | <b>498 160</b>          | 25       |
| IP 4                                               | <b>498 170</b>     | 25       | IP 4                                               | <b>498 170</b>     | 25       | IP 4                                               | <b>498 170</b>          | 25       |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| GE                                                 | <b>496 110</b>     | 50       | GE                                                 | <b>496 110</b>     | 50       | GE                                                 | <b>496 110</b>          | 50       |
| GE                                                 | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>     | 50       | GE                                                 | <b>496 119</b>          | 50       |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
|                                                    |                    |          |                                                    |                    |          |                                                    |                         |          |
| 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 41 A |                    |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 41 A |                    |          | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 41 A |                         |          |
| 8 kV / 3                                           |                    |          | 8 kV / 3                                           |                    |          | 8 kV / 3                                           |                         |          |
| 1 / A4                                             |                    |          | 1 / A4                                             |                    |          | 1 / A4                                             |                         |          |
| IP 20 / -                                          |                    |          | IP 20 / -                                          |                    |          | IP 20 / -                                          |                         |          |

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED



DOUBLE-DECK SPRING CLAMP TERMINALS PROVIDE A FASTER METHOD OF TERMINATING WIRES AS COMPARED TO SCREW CLAMP SYSTEMS. APPROVED BY UL, THEY ARE JUST AS RELIABLE IN FIELD APPLICATIONS.

THE SPRING CLAMP IS OPENED WITH A SMALL SCREWDRIVER INSERTED TO THE SIDE OF THE CLAMP NEXT TO THE WIRE ENTRY WAY. WHEN THE FIELD WIRING IS IN PLACE, THE SCREWDRIVER CAN BE REMOVED AND A RELIABLE, SECURE CONNECTION IS MAINTAINED.

## YBK SERIES

### SPRING CLAMP MULTILEVEL TERMINAL BLOCKS AND ACCESSORIES



#### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-2)  
UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66 GREY

#### MOUNTING RAILS

TS 35X7.5 SOLID TS 35X15 SOLID  
TS 35X7.5 SLOTTED TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### END BRACKET

THICKNESS 8MM  
KD 3 BEIGE  
KD 3 GREY



#### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - GREY  
POLYAMIDE 66



#### CROSS CONNECTION



#### WARNING LABEL

IP WITH SYMBOL  
WITHOUT SYMBOL



#### GROUP MARKING

GE BEIGE  
GE GREY



#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

#### MARKING TAGS

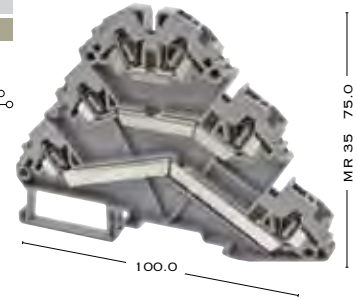
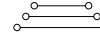
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## YBK 2.5-3 F

WIDTH 5 MM

324 509

324 500



#### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE        | PART. NO. | QTY. |
|-------------|-----------|------|
| YBK 2.5-3 F | 324 509   | 30   |

| TYPE    | PART. NO.   | STD. PK. |
|---------|-------------|----------|
| SLOTTED |             |          |
| 35X7.5  | TS3575SL    | 2M       |
| 35X7.5  | TS3575SL1   | 1M       |
| 35X7.5  | TS3575SL1-A | 1M       |
| 35X15   | TS3515SL    | 2M       |
| SOLID   |             |          |
| 35X7.5  | TS3575SOL   | 2M       |
| 35X15   | TS3515SOL   | 2M       |

|                 |         |    |
|-----------------|---------|----|
| NPP YBK 2.5-3 F | 446 249 | 10 |
|-----------------|---------|----|

|          |         |    |
|----------|---------|----|
| UK 2.5/2 | 476 222 | 25 |
|----------|---------|----|

|          |         |    |
|----------|---------|----|
| UK 2.5/3 | 476 223 | 20 |
|----------|---------|----|

|          |         |    |
|----------|---------|----|
| UK 2.5/4 | 476 224 | 15 |
|----------|---------|----|

|           |         |   |
|-----------|---------|---|
| UK 2.5/10 | 476 229 | 5 |
|-----------|---------|---|

|        |         |    |
|--------|---------|----|
| IP 4 S | 498 160 | 25 |
|--------|---------|----|

|      |         |    |
|------|---------|----|
| IP 4 | 498 170 | 25 |
|------|---------|----|

|    |         |    |
|----|---------|----|
| GE | 496 110 | 50 |
|----|---------|----|

|    |         |    |
|----|---------|----|
| GE | 496 119 | 50 |
|----|---------|----|

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

6 kV / 3

I / A3

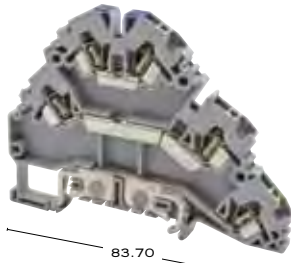
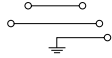
IP 20 / -

## YBK 2.5-2 FT

WIDTH 5 MM

324 809

324 800



83.70

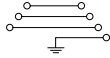
MR 35 64.8

## YBK 2.5-3 FT

WIDTH 5 MM

324 609

324 600



100.0

MR 35 74.5

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE         | PART. NO.      | QTY. |
|--------------|----------------|------|
| YBK 2.5-2 FT | <b>324 809</b> | 30   |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 040** 100

KD 3 **495 049** 100

NPP YBK 2.5-2 T **446 299** 10

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

IP 4 S **498 160** 25

IP 4 **498 170** 25

GE **496 110** 50

GE **496 119** 50

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE         | PART. NO.      | QTY. |
|--------------|----------------|------|
| YBK 2.5-3 FT | <b>324 609</b> | 30   |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

SLOTTED

35x7.5 **TS3575SL** 2M

35x7.5 **TS3575SL1** 1M

35x7.5 **TS3575SL1-A** 1M

35x15 **TS3515SL** 2M

SOLID

35x7.5 **TS3575SOL** 2M

35x15 **TS3515SOL** 2M

KD 3 **495 040** 100

KD 3 **495 049** 100

NPP YBK 2.5-3 FT **446 259** 10





## YBK SERIES

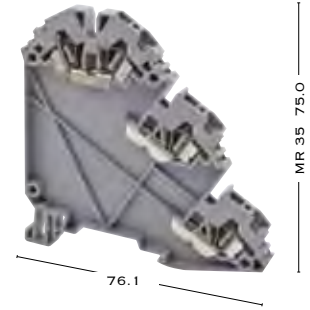
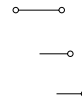
SPRING CLAMP TERMINAL  
BLOCKS AND ACCESSORIES  
FOR SENSOR APPLICATIONS

## YBK 3 S

WIDTH 5 MM

324 709

324 700



### ELECTRICAL RATINGS

CE (EN 60947-7-1)

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 24 A / 2.5 mm<sup>2</sup>

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

0.5 - 4 mm<sup>2</sup> / 0.5 - 2.5 mm<sup>2</sup>

22 - 12 / 0.5 - 2.5 mm<sup>2</sup>

10 mm / ...

### ORDERING DATA

POLYAMIDE 66 GREY

| TYPE    | PART. NO.      | QTY. |
|---------|----------------|------|
| YBK 3 S | <b>324 709</b> | 20   |

### MOUNTING RAILS

TS 35x7.5 SOLID

TS 35x15 SOLID

TS 35x7.5 SLOTTED

TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM

KD 3



BEIGE

GREY

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM -

POLYAMIDE 66



GREY

|             |                |    |
|-------------|----------------|----|
| NPP YBK 3 S | <b>446 289</b> | 10 |
|-------------|----------------|----|

### CROSS CONNECTION



|           |                |    |
|-----------|----------------|----|
| UK 2.5/2  | <b>476 222</b> | 25 |
| UK 2.5/3  | <b>476 223</b> | 20 |
| UK 2.5/4  | <b>476 224</b> | 15 |
| UK 2.5/10 | <b>476 229</b> | 5  |

### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

### GROUP MARKING

GE



BEIGE  
GREY

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2 - 4 mm<sup>2</sup> / 4 mm<sup>2</sup> / 32 A

6 kV / 3

1 / A3

IP 20 / -

### MARKING TAGS

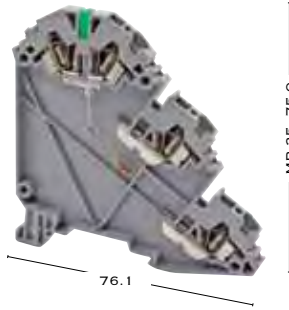
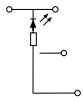
SEE PAGES 104 & 105 FOR FURTHER DETAIL

**YBK 3 SLD (NPN)**

WIDTH 5 MM

324 719

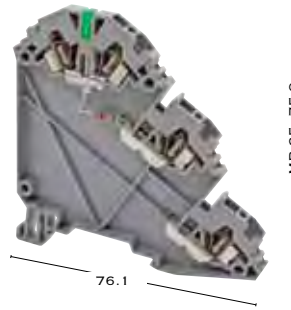
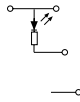
324 710


**YBK 3 SLD (PNP)**

WIDTH 5 MM

324 729

324 720


**VOLTAGE/CURRENT/CROSS-SECTION**

 - V ~ / 24 A / 2.5 MM<sup>2</sup>

 0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| YBK 3 SLD | <b>324 719</b> | 20   |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

|         |                    |    |
|---------|--------------------|----|
| SLOTTED |                    |    |
| 35x7.5  | <b>TS3575SL</b>    | 2M |
| 35x7.5  | <b>TS3575SL1</b>   | 1M |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M |
| 35x15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35x7.5  | <b>TS3575SOL</b>   | 2M |
| 35x15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|             |                |    |
|-------------|----------------|----|
| NPP YBK 3 S | <b>446 289</b> | 10 |
|-------------|----------------|----|

|           |                 |    |
|-----------|-----------------|----|
| UK 2.5/2  | <b>476 222*</b> | 25 |
| UK 2.5/3  | <b>476 223*</b> | 20 |
| UK 2.5/4  | <b>476 224*</b> | 15 |
| UK 2.5/10 | <b>476 229*</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A  
 6 kV / 3  
 1 / A3  
 IP 20 / -

**VOLTAGE/CURRENT/CROSS-SECTION**

 - V ~ / 24 A / 2.5 MM<sup>2</sup>

 0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

 22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE              | PART. NO.      | QTY. |
|-------------------|----------------|------|
| YBK 3 SLD (24VDC) | <b>324 729</b> | 20   |

| TYPE | PART. NO. | STD. PK. |
|------|-----------|----------|
|------|-----------|----------|

|         |                    |    |
|---------|--------------------|----|
| SLOTTED |                    |    |
| 35x7.5  | <b>TS3575SL</b>    | 2M |
| 35x7.5  | <b>TS3575SL1</b>   | 1M |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M |
| 35x15   | <b>TS3515SL</b>    | 2M |
| SOLID   |                    |    |
| 35x7.5  | <b>TS3575SOL</b>   | 2M |
| 35x15   | <b>TS3515SOL</b>   | 2M |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|             |                |    |
|-------------|----------------|----|
| NPP YBK 3 S | <b>446 289</b> | 10 |
|-------------|----------------|----|

|           |                 |    |
|-----------|-----------------|----|
| UK 2.5/2  | <b>476 222*</b> | 25 |
| UK 2.5/3  | <b>476 223*</b> | 20 |
| UK 2.5/4  | <b>476 224*</b> | 15 |
| UK 2.5/10 | <b>476 229*</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A  
 6 kV / 3  
 1 / A3  
 IP 20 / -

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED

\* ONLY LOWER DECKS CAN BE CROSS-CONNECTED





## YBK SERIES

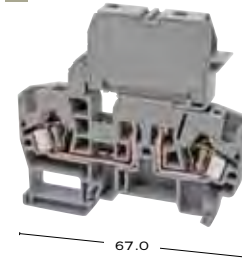
SPRING CLAMP FUSE AND  
DISCONNECT TERMINAL  
BLOCKS AND ACCESSORIES  
FOR 5X20MM, 5X25MM FUSES

## YBK S

WIDTH 8 MM

355 119

355 110



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66

GREY  
GREY  
GREY  
GREY  
GREY  
GREY  
GREY  
GREY

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 mm<sup>2</sup>

600 V ~ / 10 A / AWG 22-10

0.5 - 6 mm<sup>2</sup> / 0.5 - 4 mm<sup>2</sup>

22 - 10 / 0.5 - 4 mm<sup>2</sup>

12 mm / ...

| TYPE  | PART. NO.      | QTY. |
|-------|----------------|------|
| YBK S | <b>355 119</b> | 20   |

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35X15 SOLID

TS 35X15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM

KD 3



BEIGE  
GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - POLYAMIDE 66

GREY



NPP YBK S - YBK 1



NPP YBK 2.5 A

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

### GROUP MARKING

GE



BEIGE  
GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35X7.5  | <b>TS3575SL</b>    | 2M       |
| 35X7.5  | <b>TS3575SL1</b>   | 1M       |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35X15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35X7.5  | <b>TS3575SOL</b>   | 2M       |
| 35X15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|                   |                |    |
|-------------------|----------------|----|
| NPP YBK S - YBK 1 | <b>450 069</b> | 10 |
|-------------------|----------------|----|

|         |                |    |
|---------|----------------|----|
| UK 6/2  | <b>476 242</b> | 25 |
| UK 6/3  | <b>476 243</b> | 20 |
| UK 6/4  | <b>476 244</b> | 15 |
| UK 6/10 | <b>476 249</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 6 mm<sup>2</sup> / 6 mm<sup>2</sup> / 10 A

6 kV / 3

1 / A4

IP 20 / -

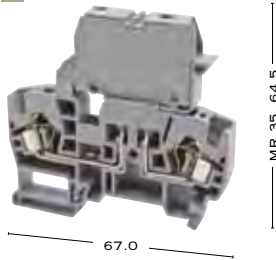


## YBK SB

WIDTH 8 MM

363 109

363 100

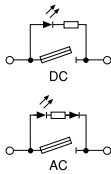


## YBK SLD

WIDTH 8 MM

355 ...9

316 ...0

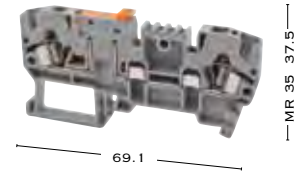


## YBK 2.5 A

WIDTH 5 MM

353 209

353 200



VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 10 A / 4 MM<sup>2</sup>

VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 16 A / 2.5 MM<sup>2</sup>

600 V ~ / 10 A / AWG 22-12

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

TYPE PART. NO. QTY.

YBK SB 363 109 20

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

TYPE PART. NO. QTY.

YBK SLD 355 719 (24VAC) 20

YBK SLD 355 729 (24VDC) 20

YBK SLD 355 739 (48VAC) 20

YBK SLD 355 749 (48VDC) 20

YBK SLD 355 759 (110VAC) 20

YBK SLD 355 769 (110VDC) 20

YBK SLD 355 779 (220VAC) 20

YBK SLD 355 789 (220VDC) 20

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

TYPE PART. NO. QTY.

YBK 2.5 A 353 209 50

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

TYPE PART. NO. STD. PK.

SLOTTED

35x7.5 TS3575SL 2M

35x7.5 TS3575SL1 1M

35x7.5 TS3575SL1-A 1M

35x15 TS3515SL 2M

SOLID

35x7.5 TS3575SOL 2M

35x15 TS3515SOL 2M

KD 3 495 040 100

KD 3 495 049 100

KD 3 495 040 100

KD 3 495 049 100

KD 3 495 040 100

KD 3 495 049 100

NPP YBK S - YBK 1 450 069 10

NPP YBK S - YBK 1 450 069 10

NPP YBK 2.5 A 450 219 10

UK 6/2 476 242 25

UK 6/3 476 243 20

UK 6/4 476 244 15

UK 6/10 476 249 5

UK 6/2 476 242 25

UK 6/3 476 243 20

UK 6/4 476 244 15

UK 6/10 476 249 5

UK 2.5/2 476 222 25

UK 2.5/3 476 223 20

UK 2.5/4 476 224 15

UK 2.5/10 476 229 5

IP 4 S 498 160 25

IP 4 498 170 25

IP 4 S 498 160 25

IP 4 498 170 25

IP 4 S 498 160 25

IP 4 498 170 25

GE 496 110 50

GE 496 119 50

GE 496 110 50

GE 496 119 50

GE 496 110 50

GE 496 119 50

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A

6 kV / 3

1 / A4

IP 20 / -

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A

6 kV / 3

1 / A4

IP 20 / -

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 16 A

8 kV / 3

1 / A3

IP 20 / -



## YBK SERIES

SPRING CLAMP FUSE AND  
DISCONNECT TERMINAL  
BLOCKS AND ACCESSORIES  
FOR 1 1/4"x1/4" FUSES

## YBK 1

WIDTH 8 MM

355 129

355 120



MR 35 66.5

67.0



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 MM<sup>2</sup>

600 V ~ / 10 A / AWG 22-10

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

### ORDERING DATA

POLYAMIDE 66

GREY

GREY

GREY

GREY

GREY

GREY

GREY

GREY

| TYPE  | PART. NO.      | QTY. |
|-------|----------------|------|
| YBK 1 | <b>355 129</b> | 20   |

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35X7.5  | <b>TS3575SL</b>    | 2M       |
| 35X7.5  | <b>TS3575SL1</b>   | 1M       |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35X15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35X7.5  | <b>TS3575SOL</b>   | 2M       |
| 35X15   | <b>TS3515SOL</b>   | 2M       |

### END BRACKET

THICKNESS 8MM

KD 3



BEIGE

GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - POLYAMIDE 66

GREY



NPP YBK S - YBK 1

|                   |                |    |
|-------------------|----------------|----|
| NPP YBK S - YBK 1 | <b>450 069</b> | 10 |
|-------------------|----------------|----|

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



BEIGE

GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A

6 kV / 3

1 / A4

IP 20 / -

### MARKING TAGS

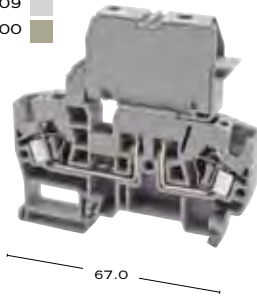
SEE PAGES 104 & 105 FOR FURTHER DETAIL

## YBK IB

WIDTH 8 MM

363 209

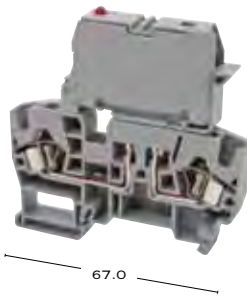
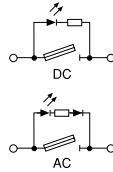
363 200



## YBK ILD

WIDTH 8 MM

355 ...9



### VOLTAGE/CURRENT/CROSS-SECTION

500 V ~ / 10 A / 4 MM<sup>2</sup>

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

| TYPE   | PART. NO.      | QTY. |
|--------|----------------|------|
| YBK IB | <b>363 209</b> | 20   |

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|                   |                |    |
|-------------------|----------------|----|
| NPP YBK S - YBK I | <b>450 069</b> | 10 |
|-------------------|----------------|----|

|         |                |    |
|---------|----------------|----|
| UK 6/2  | <b>476 242</b> | 25 |
| UK 6/3  | <b>476 243</b> | 20 |
| UK 6/4  | <b>476 244</b> | 15 |
| UK 6/10 | <b>476 249</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A  
6 kV / 3  
1 / A4  
IP 20 / -

### VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 10 A / 4 MM<sup>2</sup>

0.5 - 6 MM<sup>2</sup> / 0.5 - 4 MM<sup>2</sup>

22 - 10 / 0.5 - 4 MM<sup>2</sup>

12 MM / ...

| TYPE    | PART. NO.               | QTY. |
|---------|-------------------------|------|
| YBK ILD | <b>355 819</b> (24VAC)  | 20   |
| YBK ILD | <b>355 829</b> (24VDC)  | 20   |
| YBK ILD | <b>355 839</b> (48VAC)  | 20   |
| YBK ILD | <b>355 849</b> (48VDC)  | 20   |
| YBK ILD | <b>355 859</b> (110VAC) | 20   |
| YBK ILD | <b>355 869</b> (110VDC) | 20   |
| YBK ILD | <b>355 879</b> (220VAC) | 20   |
| YBK ILD | <b>355 889</b> (220VDC) | 20   |

| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35x7.5  | <b>TS3575SL</b>    | 2M       |
| 35x7.5  | <b>TS3575SL1</b>   | 1M       |
| 35x7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35x15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35x7.5  | <b>TS3575SOL</b>   | 2M       |
| 35x15   | <b>TS3515SOL</b>   | 2M       |

|      |                |     |
|------|----------------|-----|
| KD 3 | <b>495 040</b> | 100 |
| KD 3 | <b>495 049</b> | 100 |

|                   |                |    |
|-------------------|----------------|----|
| NPP YBK S - YBK I | <b>450 069</b> | 10 |
|-------------------|----------------|----|

|         |                |    |
|---------|----------------|----|
| UK 6/2  | <b>476 242</b> | 25 |
| UK 6/3  | <b>476 243</b> | 20 |
| UK 6/4  | <b>476 244</b> | 15 |
| UK 6/10 | <b>476 249</b> | 5  |

|        |                |    |
|--------|----------------|----|
| IP 4 S | <b>498 160</b> | 25 |
| IP 4   | <b>498 170</b> | 25 |

|    |                |    |
|----|----------------|----|
| GE | <b>496 110</b> | 50 |
| GE | <b>496 119</b> | 50 |

0.2 - 6 MM<sup>2</sup> / 6 MM<sup>2</sup> / 10 A  
6 kV / 3  
1 / A4  
IP 20 / -





## YBK SERIES

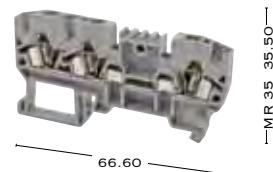
ONE INPUT - TWO OUTPUT  
TWO INPUT - TWO OUTPUT  
SPRING CLAMP TERMINAL  
BLOCKS AND ACCESSORIES

## YBK 2.5 E

WIDTH 5 MM

326 059

326 050



### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66

GREY

### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X15 SOLID

TS 35X7.5 SLOTTED

TS 35X15 SLOTTED



STEEL SLOT DIM.

25MM ON 36MM CENTER

5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.

13MM ON 26MM CENTER

5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM

KD 3



BEIGE

GREY

### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - POLYAMIDE 66

GREY



NPP YBK 2,5 E



NPP YBK 2,5 C

### CROSS CONNECTION



### WARNING LABEL

IP



WITH SYMBOL

WITHOUT SYMBOL

### GROUP MARKING

GE



BEIGE

GREY

### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE      | PART. NO.      | QTY. |
|-----------|----------------|------|
| YBK 2.5 E | <b>326 059</b> | 50   |

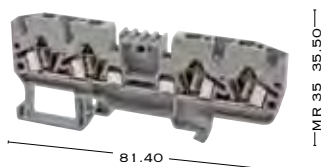
| TYPE    | PART. NO.          | STD. PK. |
|---------|--------------------|----------|
| SLOTTED |                    |          |
| 35X7.5  | <b>TS3575SL</b>    | 2M       |
| 35X7.5  | <b>TS3575SL1</b>   | 1M       |
| 35X7.5  | <b>TS3575SL1-A</b> | 1M       |
| 35X15   | <b>TS3515SL</b>    | 2M       |
| SOLID   |                    |          |
| 35X7.5  | <b>TS3575SOL</b>   | 2M       |
| 35X15   | <b>TS3515SOL</b>   | 2M       |

## YBK 2.5 C

WIDTH 5 MM

326 109 

326 100 

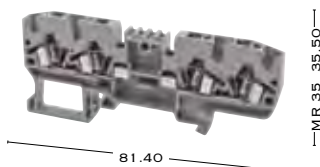


## YBK 2.5 CX2

WIDTH 5 MM

326 209 

326 200 



| VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          |
|-----------------------------------------------------|--------------------|----------|-----------------------------------------------------|--------------------|----------|
| 750 V ~ / 24 A / 2.5 MM <sup>2</sup>                |                    |          | 750 V ~ / 24 A / 2.5 MM <sup>2</sup>                |                    |          |
| 600 V ~ / 20 A / AWG 22-12                          |                    |          |                                                     |                    |          |
|                                                     |                    |          |                                                     |                    |          |
| 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                    |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                    |          |
| 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                    |          | 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                    |          |
| 10 MM / ...                                         |                    |          | 10 MM / ...                                         |                    |          |
| TYPE                                                | PART. No.          | QTY.     | TYPE                                                | PART. No.          | QTY.     |
| YBK 2.5 C                                           | <b>326 109</b>     | 30       | YBK 2.5 CX2                                         | <b>326 209</b>     | 50       |
| TYPE                                                | PART. No.          | STD. PK. | TYPE                                                | PART. No.          | STD. PK. |
| SLOTTED                                             |                    |          | SLOTTED                                             |                    |          |
| 35x7.5                                              | <b>TS3575SL</b>    | 2M       | 35x7.5                                              | <b>TS3575SL</b>    | 2M       |
| 35x7.5                                              | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>   | 1M       |
| 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       |
| 35x15                                               | <b>TS3515SL</b>    | 2M       | 35x15                                               | <b>TS3515SL</b>    | 2M       |
| SOLID                                               |                    |          | SOLID                                               |                    |          |
| 35x7.5                                              | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>   | 2M       |
| 35x15                                               | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>   | 2M       |
|                                                     |                    |          |                                                     |                    |          |
| KD 3                                                | <b>495 040</b>     | 100      | KD 3                                                | <b>495 040</b>     | 100      |
| KD 3                                                | <b>495 049</b>     | 100      | KD 3                                                | <b>495 049</b>     | 100      |
|                                                     |                    |          |                                                     |                    |          |
| NPP YBK 2.5 C                                       | <b>446 279</b>     | 10       | NPP YBK 2.5 C                                       | <b>446 279</b>     | 10       |
|                                                     |                    |          |                                                     |                    |          |
|                                                     |                    |          |                                                     |                    |          |
|                                                     |                    |          |                                                     |                    |          |
| UK 2.5/2                                            | <b>476 222</b>     | 25       | UK 2.5/2                                            | <b>476 222</b>     | 25       |
| UK 2.5/3                                            | <b>476 223</b>     | 20       | UK 2.5/3                                            | <b>476 223</b>     | 20       |
| UK 2.5/4                                            | <b>476 224</b>     | 15       | UK 2.5/4                                            | <b>476 224</b>     | 15       |
| UK 2.5/10                                           | <b>476 229</b>     | 5        | UK 2.5/10                                           | <b>476 229</b>     | 5        |
|                                                     |                    |          |                                                     |                    |          |
| IP 4 S                                              | <b>498 160</b>     | 25       | IP 4 S                                              | <b>498 160</b>     | 25       |
| IP 4                                                | <b>498 170</b>     | 25       | IP 4                                                | <b>498 170</b>     | 25       |
|                                                     |                    |          |                                                     |                    |          |
| GE                                                  | <b>496 110</b>     | 50       | GE                                                  | <b>496 110</b>     | 50       |
| GE                                                  | <b>496 119</b>     | 50       | GE                                                  | <b>496 119</b>     | 50       |
|                                                     |                    |          |                                                     |                    |          |
|                                                     |                    |          |                                                     |                    |          |
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A  |                    |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 32 A  |                    |          |
| 8 kV / 3                                            |                    |          | 8 kV / 3                                            |                    |          |
| 1 / A3                                              |                    |          | 1 / A3                                              |                    |          |
| IP 20 / -                                           |                    |          | IP 20 / -                                           |                    |          |





## YBK SERIES

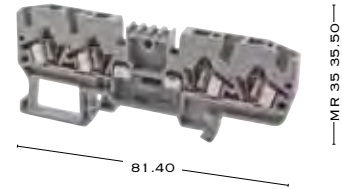
TWO INPUT - TWO OUTPUT  
SPRING CLAMP TERMINAL  
BLOCKS AND ACCESSORIES

## YBK 2.5 CD

WIDTH 5 MM

326 219

326 210



### ELECTRICAL RATINGS

CE (EN 60947-7-1 / 60947-7-3)  
UL / CSA

### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.  
AWG CONDUCTOR / FINE STRAND WITH FERRULE  
INSULATION STRIPPING LENGTH / TORQUE

### ORDERING DATA

POLYAMIDE 66  
GREY  
GREY  
GREY  
GREY  
GREY  
GREY  
GREY  
GREY  
YELLOW-GREEN

### VOLTAGE/CURRENT/CROSS-SECTION

750 V ~ / 24 A / 2.5 MM<sup>2</sup>

### MOUNTING RAILS

TS 35x7.5 SOLID TS 35x15 SOLID  
TS 35x7.5 SLOTTED TS 35x15 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

### END BRACKET

THICKNESS 8MM  
KD 3  
BEIGE  
GREY



### END PLATE - DISCONNECT PLATE

WIDTH 1.5 MM - POLYAMIDE 66  
GREY  
YELLOW-GREEN



NPP YBK 2,5 E NPP YBK 2,5 C

### ELECTRICAL RATING

DIODE REVERSE VOLTAGE  
DIODE CURRENT  
DIODE

1000V  
1 A  
1 N 40007

### WARNING LABEL

IP  
WITH SYMBOL  
WITHOUT SYMBOL



### GROUP MARKING

GE



BEIGE  
GREY

GE 496 110 50  
GE 496 119 50

### TECHNICAL DATA

• MAX. CLAMPING RANGE / MAX. TECHNICAL DATA  
• RATED IMPULSE VOLTAGE / POLLUTION SEVERITY  
• INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1  
• PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 32 A  
8 kV / 3  
1 / A3  
IP 20 / -

### MARKING TAGS

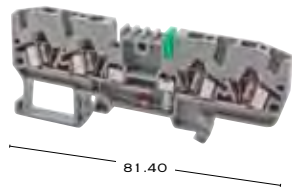
SEE PAGES 104 & 105 FOR FURTHER DETAIL

**YBK 2.5 CLD**

WIDTH 5 MM

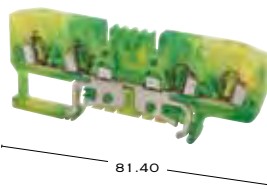
326 ...9

326 ...0

**YBK 2.5 CT**

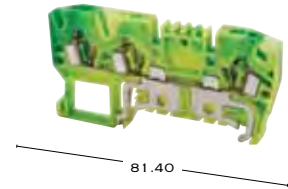
WIDTH 5 MM

336 100

**YBK 2.5 ET**

WIDTH 5 MM

336 110



## VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / 24 A / 2.5 MM<sup>2</sup>

600 V ~ / 20 A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE        | PART. No.               | QTY. |
|-------------|-------------------------|------|
| YBK 2.5 CLD | <b>326 319</b> (24VAC)  | 50   |
| YBK 2.5 CLD | <b>326 419</b> (48VAC)  | 50   |
| YBK 2.5 CLD | <b>326 619</b> (110VAC) | 50   |
| YBK 2.5 CLD | <b>326 719</b> (220VAC) | 50   |
| YBK 2.5 CLD | <b>326 329</b> (24VDC)  | 50   |
| YBK 2.5 CLD | <b>326 429</b> (48VDC)  | 50   |
| YBK 2.5 CLD | <b>326 629</b> (110VDC) | 50   |
| YBK 2.5 CLD | <b>326 729</b> (220VDC) | 50   |

## VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / - A / 2.5 MM<sup>2</sup>

- V ~ / - A / AWG 22-12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE       | PART. No.      | QTY. |
|------------|----------------|------|
| YBK 2.5 CT | <b>336 100</b> | 50   |

## VOLTAGE/CURRENT/CROSS-SECTION

- V ~ / - A / 2.5 MM<sup>2</sup>0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ...

| TYPE       | PART. No.      | QTY. |
|------------|----------------|------|
| YBK 2.5 ET | <b>336 110</b> | 50   |

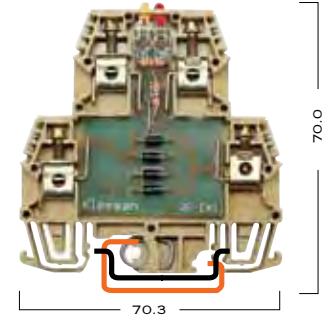




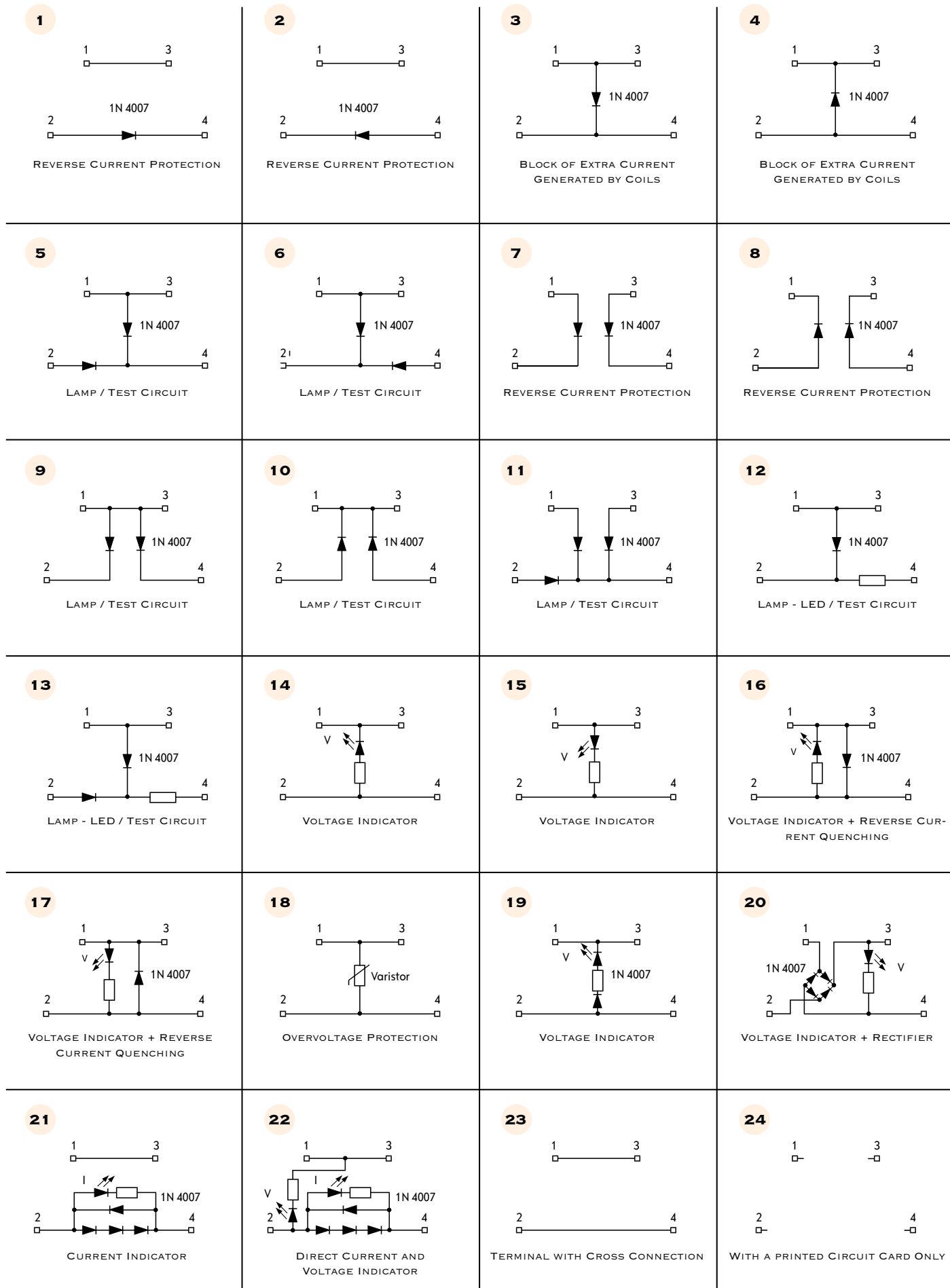
## WG SERIES

DOUBLE LEVEL ELECTRONIC  
TERMINAL BLOCKS  
AND ACCESSORIES

## WG-EKI



| ELECTRICAL RATINGS                                                                  |         | VOLTAGE/CURRENT/CROSS-SECTION |              |             |                |
|-------------------------------------------------------------------------------------|---------|-------------------------------|--------------|-------------|----------------|
| TERMINAL CURRENT                                                                    |         | 10 A                          |              |             |                |
| DIODE VOLTAGE                                                                       |         | 1000 V                        |              |             |                |
| DIODE CURRENT                                                                       |         | 1 A                           |              |             |                |
| CONNECTION DATA                                                                     |         |                               |              |             |                |
| SOLID STRAND, SCREW CONNECTION                                                      |         | 0.5 - 6 MM <sup>2</sup>       |              |             |                |
| FINE STRAND, SCREW CONNECTION                                                       |         | 0.5 - 2.5 MM <sup>2</sup>     |              |             |                |
| AWG CONDUCTOR                                                                       |         | AWG 22 - 12                   |              |             |                |
|                                                                                     |         |                               |              |             |                |
| TERMINAL WIDTH                                                                      |         | 7.5 MM                        |              |             |                |
| INSULATION STRIPPING LENGTH                                                         |         | 7 MM                          |              |             |                |
| ORDERING DATA                                                                       |         | TYPE                          | SCH.CIR.DIA. | INPUT VOLT. | PART. No.      |
| POLYAMIDE 66                                                                        | WG-EKI  | 1                             |              |             | <b>110 010</b> |
|                                                                                     | WG-EKI  | 2                             |              |             | <b>110 020</b> |
|                                                                                     | WG-EKI  | 3                             |              |             | <b>110 030</b> |
|                                                                                     | WG-EKI  | 4                             |              |             | <b>110 040</b> |
|                                                                                     | WG-EKI  | 5                             |              |             | <b>110 050</b> |
|                                                                                     | WG-EKI  | 6                             |              |             | <b>110 060</b> |
|                                                                                     | WG-EKI  | 7                             |              |             | <b>110 070</b> |
|                                                                                     | WG-EKI  | 8                             |              |             | <b>110 080</b> |
|                                                                                     | WG-EKI  | 9                             |              |             | <b>110 090</b> |
|                                                                                     | WG-EKI  | 10                            |              |             | <b>110 100</b> |
|                                                                                     | WG-EKI  | 11                            |              |             | <b>110 110</b> |
|                                                                                     | WG-EKI  | 12                            |              | 24V         | <b>110 120</b> |
|                                                                                     | WG-EKI  | 13                            |              | 24V         | <b>110 130</b> |
|                                                                                     | WG-EKI  | 14                            |              | 24VDC       | <b>110 140</b> |
|                                                                                     | WG-EKI  | 14                            |              | 110VDC      | <b>110 150</b> |
|                                                                                     | WG-EKI  | 14                            |              | 220VDC      | <b>110 160</b> |
|                                                                                     | WG-EKI  | 15                            |              | 24VDC       | <b>110 170</b> |
|                                                                                     | WG-EKI  | 15                            |              | 110VDC      | <b>110 180</b> |
|                                                                                     | WG-EKI  | 15                            |              | 220VDC      | <b>110 190</b> |
|                                                                                     | WG-EKI  | 16                            |              | 24VDC       | <b>110 200</b> |
|                                                                                     | WG-EKI  | 17                            |              | 24VDC       | <b>110 210</b> |
|                                                                                     | WG-EKI  | 18                            |              | 30V         | <b>110 220</b> |
|                                                                                     | WG-EKI  | 18                            |              | 60V         | <b>110 230</b> |
|                                                                                     | WG-EKI  | 18                            |              | 75V         | <b>110 240</b> |
|                                                                                     | WG-EKI  | 18                            |              | 130V        | <b>110 250</b> |
|                                                                                     | WG-EKI  | 18                            |              | 275V        | <b>110 260</b> |
|                                                                                     | WG-EKI  | 19                            |              | 24VAC       | <b>110 270</b> |
|                                                                                     | WG-EKI  | 19                            |              | 48VAC       | <b>110 280</b> |
|                                                                                     | WG-EKI  | 19                            |              | 110VAC      | <b>110 290</b> |
|                                                                                     | WG-EKI  | 19                            |              | 220VAC      | <b>110 300</b> |
|                                                                                     | WG-EKI  | 20                            |              | 24VAC       | <b>110 310</b> |
|                                                                                     | WG-EKI  | 20                            |              | 110VAC      | <b>110 320</b> |
|                                                                                     | WG-EKI  | 20                            |              | 220VAC      | <b>110 330</b> |
|                                                                                     | WG-EKI  | 21                            |              | DC          | <b>110 340</b> |
|                                                                                     | WG-EKI  | 22                            |              | 24VDC       | <b>110 350</b> |
|                                                                                     | WG-EKI  | 22                            |              | 48VDC       | <b>110 360</b> |
|                                                                                     | WG-EKI  | 22                            |              | 60VDC       | <b>110 370</b> |
|                                                                                     | WG-EKI  | 23                            |              | -           | <b>110 380</b> |
|                                                                                     | WG-EKI  | 24                            |              | -           | <b>110 390</b> |
| END PLATE                                                                           |         | TYPE                          |              | WIDTH       | PART. No.      |
|  | NPP-EKI |                               |              | 1.2 MM      | <b>111 010</b> |
|                                                                                     |         |                               |              |             |                |
|                                                                                     |         |                               |              |             |                |
|                                                                                     |         |                               |              |             |                |
| MARKING TAGS                                                                        |         |                               |              |             |                |
| SEE PAGES 104 & 105 FOR FURTHER DETAIL                                              |         |                               |              |             |                |





## PCY SERIES

PVY TYPE TERMINAL BLOCKS  
FOR PCB CONNECTIONS AND  
ACCESSORIES

### PCY 2.5

WIDTH 5.05 MM

364 019 

364 010 

### PCY 2.5 N

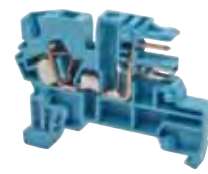
WIDTH 5.05 MM

364 080 



MR 35 37.20

47.50



MR 35 37.20

47.50



#### ELECTRICAL RATINGS

CE (EN 60947-7-1)

UL / CSA

#### CONNECTION DATA

SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.

AWG CONDUCTOR / FINE STRAND WITH FERRULE

INSULATION STRIPPING LENGTH / TORQUE

#### ORDERING DATA

POLYAMIDE 66

GREY  
GREY  
GREY  
BLUE

#### VOLTAGE/CURRENT/CROSS-SECTION

250 V ~ / 10 A / 2.5 MM<sup>2</sup>

300 V ~ / 10 A / AWG 22 - 12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ....

#### TYPE PART. NO. QTY.

PCY 2.5 **364 019** 100

#### VOLTAGE/CURRENT/CROSS-SECTION

250 V ~ / 10 A / 2.5 MM<sup>2</sup>

300 V ~ / 10 A / AWG 22 - 12

0.5 - 4 MM<sup>2</sup> / 0.5 - 2.5 MM<sup>2</sup>

22 - 12 / 0.5 - 2.5 MM<sup>2</sup>

10 MM / ....

#### TYPE PART. NO. QTY.

PCY 2.5 N **364 080** 100

#### MOUNTING RAILS

TS 35X7.5 SOLID

TS 35X7.5 SLOTTED



STEEL SLOT DIM.  
25MM ON 36MM CENTER  
5.2MM SLOT WIDTH

TS 35X15 SOLID

TS 35X15 SLOTTED



ALUMINUM SLOT DIM.  
13MM ON 26MM CENTER  
5MM SLOT WIDTH

#### TYPE PART. NO. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

#### TYPE PART. NO. STD. PK.

SLOTTED

35X7.5 **TS3575SL** 2M

35X7.5 **TS3575SL1** 1M

35X7.5 **TS3575SL1-A** 1M

35X15 **TS3515SL** 2M

SOLID

35X7.5 **TS3575SOL** 2M

35X15 **TS3515SOL** 2M

#### END BRACKET

THICKNESS 8MM

KD 3



GREY

KD 3 **495 049** 100

KD 3 **495 049** 100

#### END PLATE

WIDTH 1.5 MM -  
POLYAMIDE 66



GREY  
BLUE

NPP PCY **450 199** 100

NPP PCY **450 191** 100

#### CROSS CONNECTION



UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

UK 2.5/2 **476 222** 25

UK 2.5/3 **476 223** 20

UK 2.5/4 **476 224** 15

UK 2.5/10 **476 229** 5

#### TEST PLUG-Soc. / INS. TEST Soc.

TF



ITK



T5K



TF (Ø2) **493 020** 5

TF (Ø2) **493 020** 5

#### WARNING LABEL

IP



WITH SYMBOL  
WITHOUT SYMBOL

IP 2 S **498 130** 25

IP 2 **498 140** 25

IP 2 S **498 130** 25

IP 2 **498 140** 25

#### GROUP MARKING

GE



GE2



GREY

GE **496 119** 50

GE 2 **496 250** 25

GE **496 119** 50

GE 2 **496 250** 25

#### TECHNICAL DATA

- MAX. CLAMPING RANGE / MAX. TECHNICAL DATA
- RATED IMPULSE VOLTAGE / POLLUTION SEVERITY
- INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1
- PROTECTION CLASS / PROTECTION CONDUCTOR TYPE

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 10 A

4 kV / 3

1 / A3

IP 20 / -

0.2 - 4 MM<sup>2</sup> / 4 MM<sup>2</sup> / 10 A

4 kV / 3

1 / A3

IP 20 / -

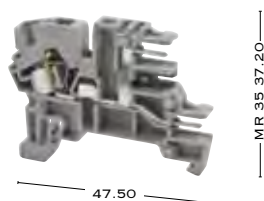
#### MARKING TAGS

SEE PAGES 104 & 105 FOR FURTHER DETAIL

# PCY 2.5 E

WIDTH 5.05 MM

364 059   
364 050 



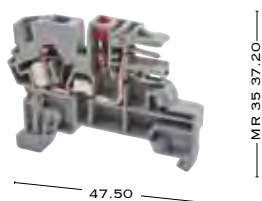
47.50

MR 35 37.20

# PCY 2.5 L

WIDTH 5.05 MM

... ..9   
... ..0 



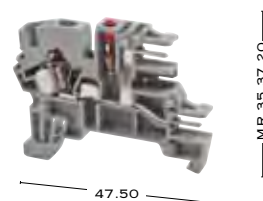
47.50

MR 35 37.20

# PCY 2.5 EL

WIDTH 5.05 MM

... ..9   
... ..0 



47.50

MR 35 37.20

| VOLTAGE/CURRENT/CROSS-SECTION                       |                    |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                         |          | VOLTAGE/CURRENT/CROSS-SECTION                       |                         |          |
|-----------------------------------------------------|--------------------|----------|-----------------------------------------------------|-------------------------|----------|-----------------------------------------------------|-------------------------|----------|
| 250 V ~ / 10 A / 2.5 MM <sup>2</sup>                |                    |          | - V ~ / 10 A / 2.5 MM <sup>2</sup>                  |                         |          | - V ~ / 10 A / 2.5 MM <sup>2</sup>                  |                         |          |
| 300 V ~ / 10 A / AWG 22 - 12                        |                    |          | - V ~ / 10 A / AWG 22 - 12                          |                         |          | - V ~ / 10 A / AWG 22 - 12                          |                         |          |
| 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                    |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                         |          | 0.5 - 4 MM <sup>2</sup> / 0.5 - 2.5 MM <sup>2</sup> |                         |          |
| 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                    |          | 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                         |          | 22 - 12 / 0.5 - 2.5 MM <sup>2</sup>                 |                         |          |
| 10 MM / ....                                        |                    |          | 10 MM / ....                                        |                         |          | 10 MM / ....                                        |                         |          |
| TYPE                                                | PART. NO.          | QTY.     | TYPE                                                | PART. NO.               | QTY.     | TYPE                                                | PART. NO.               | QTY.     |
| PCY 2.5 E                                           | <b>364 059</b>     | 100      | PCY 2.5 L                                           | <b>364 029</b> (24VDC)  | 50       | PCY 2.5 EL                                          | <b>364 069</b> (24VDC)  | 50       |
|                                                     |                    |          | PCY 2.5 L                                           | <b>364 039</b> (110VAC) | 50       | PCY 2.5 EL                                          | <b>364 079</b> (110VAC) | 50       |
|                                                     |                    |          | PCY 2.5 L                                           | <b>364 049</b> (220VAC) | 50       | PCY 2.5 EL                                          | <b>364 089</b> (220VAC) | 50       |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| TYPE                                                | PART. NO.          | STD. PK. | TYPE                                                | PART. NO.               | STD. PK. | TYPE                                                | PART. NO.               | STD. PK. |
| SLOTTED                                             |                    |          | SLOTTED                                             |                         |          | SLOTTED                                             |                         |          |
| 35x7.5                                              | <b>TS3575SL</b>    | 2M       | 35x7.5                                              | <b>TS3575SL</b>         | 2M       | 35x7.5                                              | <b>TS3575SL</b>         | 2M       |
| 35x7.5                                              | <b>TS3575SL1</b>   | 1M       | 35x7.5                                              | <b>TS3575SL1</b>        | 1M       | 35x7.5                                              | <b>TS3575SL1</b>        | 1M       |
| 35x7.5                                              | <b>TS3575SL1-A</b> | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>      | 1M       | 35x7.5                                              | <b>TS3575SL1-A</b>      | 1M       |
| 35x15                                               | <b>TS3515SL</b>    | 2M       | 35x15                                               | <b>TS3515SL</b>         | 2M       | 35x15                                               | <b>TS3515SL</b>         | 2M       |
| SOLID                                               |                    |          | SOLID                                               |                         |          | SOLID                                               |                         |          |
| 35x7.5                                              | <b>TS3575SOL</b>   | 2M       | 35x7.5                                              | <b>TS3575SOL</b>        | 2M       | 35x7.5                                              | <b>TS3575SOL</b>        | 2M       |
| 35x15                                               | <b>TS3515SOL</b>   | 2M       | 35x15                                               | <b>TS3515SOL</b>        | 2M       | 35x15                                               | <b>TS3515SOL</b>        | 2M       |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| KD 3                                                | <b>495 049</b>     | 100      | KD 3                                                | <b>495 049</b>          | 100      | KD 3                                                | <b>495 049</b>          | 100      |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| NPP PCY                                             | <b>450 199</b>     | 100      | NPP PCY                                             | <b>450 199</b>          | 100      | NPP PCY                                             | <b>450 199</b>          | 100      |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| UK 2.5/2                                            | <b>476 222</b>     | 25       | UK 2.5/2                                            | <b>476 222</b>          | 25       | UK 2.5/2                                            | <b>476 222</b>          | 25       |
| UK 2.5/3                                            | <b>476 223</b>     | 20       | UK 2.5/3                                            | <b>476 223</b>          | 20       | UK 2.5/3                                            | <b>476 223</b>          | 20       |
| UK 2.5/4                                            | <b>476 224</b>     | 15       | UK 2.5/4                                            | <b>476 224</b>          | 15       | UK 2.5/4                                            | <b>476 224</b>          | 15       |
| UK 2.5/10                                           | <b>476 229</b>     | 5        | UK 2.5/10                                           | <b>476 229</b>          | 5        | UK 2.5/10                                           | <b>476 229</b>          | 5        |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| TF (Ø2.3)                                           | <b>493 023</b>     | 5        | TF (Ø2.3)                                           | <b>493 023</b>          | 5        | TF (Ø2.3)                                           | <b>493 023</b>          | 5        |
| TF (Ø4)                                             | <b>493 040</b>     | 5        | TF (Ø4)                                             | <b>493 040</b>          | 5        | TF (Ø4)                                             | <b>493 040</b>          | 5        |
| TSK 4 (Ø2.3)                                        | <b>490 040</b>     | 5        | TSK 4 (Ø2.3)                                        | <b>490 040</b>          | 5        | TSK 4 (Ø2.3)                                        | <b>490 040</b>          | 5        |
| TSK 7 (Ø4)                                          | <b>490 070</b>     | 5        | TSK 7 (Ø4)                                          | <b>490 070</b>          | 5        | TSK 7 (Ø4)                                          | <b>490 070</b>          | 5        |
| ITK 28 (Ø4)                                         | <b>492 010</b>     | 5        | ITK 28 (Ø4)                                         | <b>492 010</b>          | 5        | ITK 28 (Ø4)                                         | <b>492 010</b>          | 5        |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| IP 2 S                                              | <b>498 130</b>     | 25       | IP 2 S                                              | <b>498 130</b>          | 25       | IP 2 S                                              | <b>498 130</b>          | 25       |
| IP 2                                                | <b>498 140</b>     | 25       | IP 2                                                | <b>498 140</b>          | 25       | IP 2                                                | <b>498 140</b>          | 25       |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| GE                                                  | <b>496 119</b>     | 50       | GE                                                  | <b>496 119</b>          | 50       | GE                                                  | <b>496 119</b>          | 50       |
| GE 2                                                | <b>496 250</b>     | 25       | GE 2                                                | <b>496 250</b>          | 25       | GE 2                                                | <b>496 250</b>          | 25       |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
|                                                     |                    |          |                                                     |                         |          |                                                     |                         |          |
| 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 10 A  |                    |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 10 A  |                         |          | 0.2 - 4 MM <sup>2</sup> / 4 MM <sup>2</sup> / 10 A  |                         |          |
| 4 kV / 3                                            |                    |          | 4 kV / 3                                            |                         |          | 4 kV / 3                                            |                         |          |
| 1 / A3                                              |                    |          | 1 / A3                                              |                         |          | 1 / A3                                              |                         |          |
| IP 20 / -                                           |                    |          | IP 20 / -                                           |                         |          | IP 20 / -                                           |                         |          |



## TRV SERIES

### TRANSFORMER TERMINAL BLOCKS AND ACCESSORIES

## TRV 4

WIDTH 7.5 MM  
422 017



## TRV 4 B

WIDTH 7.5 MM  
422 057



TORQUE: 0.5 NM

TORQUE: 0.5 NM

| ELECTRICAL RATINGS                                                    |              |  |  | VOLTAGE/CURRENT/CROSS-SECTION                      |                |      | VOLTAGE/CURRENT/CROSS-SECTION                      |                |      |
|-----------------------------------------------------------------------|--------------|--|--|----------------------------------------------------|----------------|------|----------------------------------------------------|----------------|------|
| CE (EN 60998-1 / 61558-1)                                             |              |  |  | 750 V ~ / 25 A / 4 MM <sup>2</sup>                 |                |      | 750 V ~ / 25 A / 4 MM <sup>2</sup>                 |                |      |
| UL / CSA                                                              |              |  |  | 600 V ~ / 20 A / AWG 26 - 10                       |                |      | 600 V ~ / 20 A / AWG 26 - 10                       |                |      |
| CONNECTION DATA                                                       |              |  |  |                                                    |                |      |                                                    |                |      |
| SOLID STRAND, SCREW CON. - FINE STRAND, SCREW CON.                    |              |  |  | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                |      | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                |      |
| AWG CONDUCTOR / FINE STRAND WITH FERRULE                              |              |  |  | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                |      | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                |      |
| INSULATION STRIPPING LENGTH / TORQUE                                  |              |  |  | 10 MM / 0.5 NM                                     |                |      | 10 MM / 0.5 NM                                     |                |      |
| ORDERING DATA                                                         |              |  |  | TYPE                                               | PART. NO.      | QTY. | TYPE                                               | PART. NO.      | QTY. |
| POLYAMIDE 66                                                          | ORANGE       |  |  | TRV 4                                              | <b>422 017</b> | 50   | TRV 4 B                                            | <b>422 057</b> | 50   |
|                                                                       | GREY         |  |  | TRV 4                                              | <b>422 019</b> | 50   | TRV 4 B                                            | <b>422 059</b> | 50   |
|                                                                       | BEIGE        |  |  | TRV 4                                              | <b>422 010</b> | 50   | TRV 4 B                                            | <b>422 050</b> | 50   |
|                                                                       | YELLOW-GREEN |  |  |                                                    |                |      |                                                    |                |      |
| TECHNICAL DATA                                                        |              |  |  |                                                    |                |      |                                                    |                |      |
| • MAX. CLAMPING RANGE / MAX. TECHNICAL DATA                           |              |  |  | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 32 A |                |      | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 32 A |                |      |
| • RATED IMPULSE VOLTAGE / POLLUTION SEVERITY                          |              |  |  | 8 kV / 3                                           |                |      | 8 kV / 3                                           |                |      |
| • INSULATION MATERIAL GROUP / GAUGE PIN CODE ACCORDING TO IEC 60947-1 |              |  |  | 1 / B4                                             |                |      | 1 / B4                                             |                |      |
| • PROTECTION CLASS / PROTECTION CONDUCTOR TYPE                        |              |  |  | IP 20 / -                                          |                |      | IP 20 / -                                          |                |      |
| MARKING TAGS                                                          |              |  |  |                                                    |                |      |                                                    |                |      |
| SEE PAGES 104 & 105 FOR FURTHER DETAIL                                |              |  |  |                                                    |                |      |                                                    |                |      |



TRV SERIES ENABLES USERS TO MAKE ELECTRICAL CONNECTIONS TO LV TRANSFORMERS. WHILE TRV 4 PROVIDES THE CONNECTION WITH FAST-ON TYPE TERMINALS, TRV 4M REALIZES DOUBLE TERMINAL CONNECTION POSSIBLE. OTHER MEMBERS OF THIS SERIES GIVE THE OPPORTUNITY OF SETTING DOUBLE CONNECTION TO CABLES WITH 10 MM<sup>2</sup> CROSS SECTION AND FUSE USAGE.

**TRV 4 M**

WIDTH 15 MM  
422 047



TORQUE: 0.5 NM

**TRV 4 S**

WIDTH 12.5 MM  
422 027



TORQUE: 0.5 NM

**TRV 4 T**

WIDTH 12 MM  
422 060



TORQUE: 0.5 NM

**TRV 10**

WIDTH 22 MM  
422 037



TORQUE: 1.2 NM

| VOLTAGE/CURRENT/CROSS-SECTION                      |                |      | VOLTAGE/CURRENT/CROSS-SECTION                      |                |      | VOLTAGE/CURRENT/CROSS-SECTION                      |                  |      | VOLTAGE/CURRENT/CROSS-SECTION                        |                |      |
|----------------------------------------------------|----------------|------|----------------------------------------------------|----------------|------|----------------------------------------------------|------------------|------|------------------------------------------------------|----------------|------|
| 750 V ~ / 25 A / 4 MM <sup>2</sup>                 |                |      | 500 V ~ / 10 A / 4 MM <sup>2</sup>                 |                |      | - V ~ / - A / 4 MM <sup>2</sup>                    |                  |      | 750 V ~ / 63 A / 10 MM <sup>2</sup>                  |                |      |
| 600 V ~ / 20 A / AWG 26 - 10                       |                |      | 300 V ~ / 10 A / AWG 26 - 10                       |                |      | - V ~ / - A / AWG 26 - 10                          |                  |      | 600 V ~ / 55 A / AWG 16 - 6                          |                |      |
| 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                |      | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                |      | 0.5 - 6 MM <sup>2</sup> / 0.5 - 6 MM <sup>2</sup>  |                  |      | 1.5 - 25 MM <sup>2</sup> / 1.5 - 16 MM <sup>2</sup>  |                |      |
| 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                |      | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                |      | 26 - 10 / 0.5 - 4 MM <sup>2</sup>                  |                  |      | 16 - 6 / 1.5 - 16 MM <sup>2</sup>                    |                |      |
| 10 MM / 0.5 NM                                     |                |      | 10 MM / 0.5 NM                                     |                |      | 10 MM / 0.5 NM                                     |                  |      | 12 MM / 1.2 NM                                       |                |      |
| TYPE                                               | PART. NO.      | QTY. | TYPE                                               | PART. NO.      | QTY. | TYPE                                               | PART. NO.        | QTY. | TYPE                                                 | PART. NO.      | QTY. |
| TRV 4 M                                            | <b>422 047</b> | 50   | TRV 4 S                                            | <b>422 027</b> | 50   |                                                    |                  |      | TRV 10                                               | <b>422 037</b> | 25   |
| TRV 4 M                                            | <b>422 049</b> | 50   | TRV 4 S                                            | <b>422 029</b> | 50   |                                                    |                  |      | TRV 10                                               | <b>422 039</b> | 25   |
| TRV 4 M                                            | <b>422 040</b> | 50   | TRV 4 S                                            | <b>422 020</b> | 50   |                                                    |                  |      | TRV 10                                               | <b>422 030</b> | 25   |
|                                                    |                |      |                                                    |                |      | TRV 4 T                                            | <b>422 027 T</b> | 50   |                                                      |                |      |
| 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 32 A |                |      | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 32 A |                |      | 0.2 - 6 MM <sup>2</sup> / 6 MM <sup>2</sup> / 32 A |                  |      | 1.5 - 25 MM <sup>2</sup> / 16 MM <sup>2</sup> / 63 A |                |      |
| 8 kV / 3                                           |                |      | 8 kV / 3                                           |                |      | 8 kV / 3                                           |                  |      | 8 kV / 3                                             |                |      |
| 1 / B4                                             |                |      | 1 / B4                                             |                |      | 1 / B4                                             |                  |      | 1 / B6                                               |                |      |
| IP 20 / -                                          |                |      | IP 20 / -                                          |                |      | IP 20 / PE                                         |                  |      | IP 20 / -                                            |                |      |
|                                                    |                |      |                                                    |                |      |                                                    |                  |      |                                                      |                |      |





## PSK SERIES

### TERMINAL STRIPS

- THE PRODUCT IN THE FIGURE IS THE NEW PSK 1/2 TERMINAL STRIP.
- FOR ALLOWING MARKING, LABEL SLOTS ARE DESIGNED ACCORDING TO DB 5 AND DG 6/5 MARKING TAGS (DEKAFIX)
- ASSEMBLY OF THE TERMINAL SHOULD BE MADE WITH MAXIMUM 3 MM WIDTH SCREW.

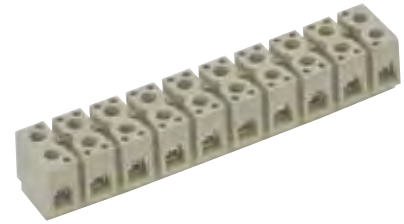
PSK 1/2



PSK 1



PSK 2



| ELECTRICAL RATINGS          | VOLTAGE / CURRENT / CROSS-SEC.                     |          |      | VOLTAGE / CURRENT / CROSS-SEC. |          |      |
|-----------------------------|----------------------------------------------------|----------|------|--------------------------------|----------|------|
|                             | TSE (EN 60998-2-1)<br>(IEC 60998-1, IEC 60998-2-1) |          |      |                                |          |      |
| INSULATION STRIPPING LENGTH | 5 MM                                               |          |      | 9 MM                           |          |      |
| TORQUE                      | 0.5 NM                                             |          |      | 0.8 NM                         |          |      |
| ORDERING DATA               | PUSH-IN TYPE                                       |          |      |                                |          |      |
|                             | TYPE                                               | CAT. NO. | QTY. | TYPE                           | CAT. NO. | QTY. |
|                             | PSK 1/2 (W/2)                                      | 420 020  | 100  | PSK 2/2 (W/2)                  | 421 020  | 100  |
|                             | PSK 1/12 (W/12)                                    | 420 120  | 75   | PSK 2/10 (W/10)                | 421 100  | 20   |

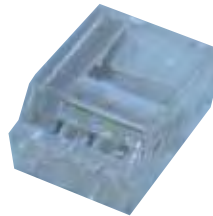
## BUK SERIES

### JUNCTION BOX

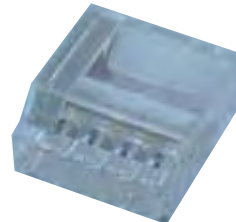
### TERMINAL STRIPS

- SUITABLE FOR 1.5 - 2.5 MM<sup>2</sup> SOLID STRAND CABLES
- CAGE CLAMP CONNECTION
- ONE-POINT TEST
- DISASSEMBLING BY TURNING THE CABLE LEFT

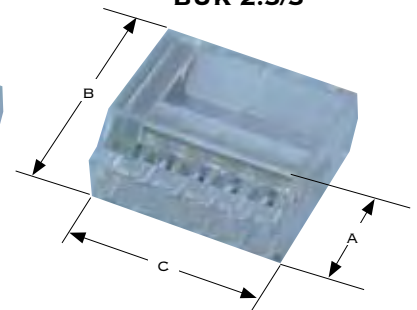
BUK 2.5/3



BUK 2.5/4



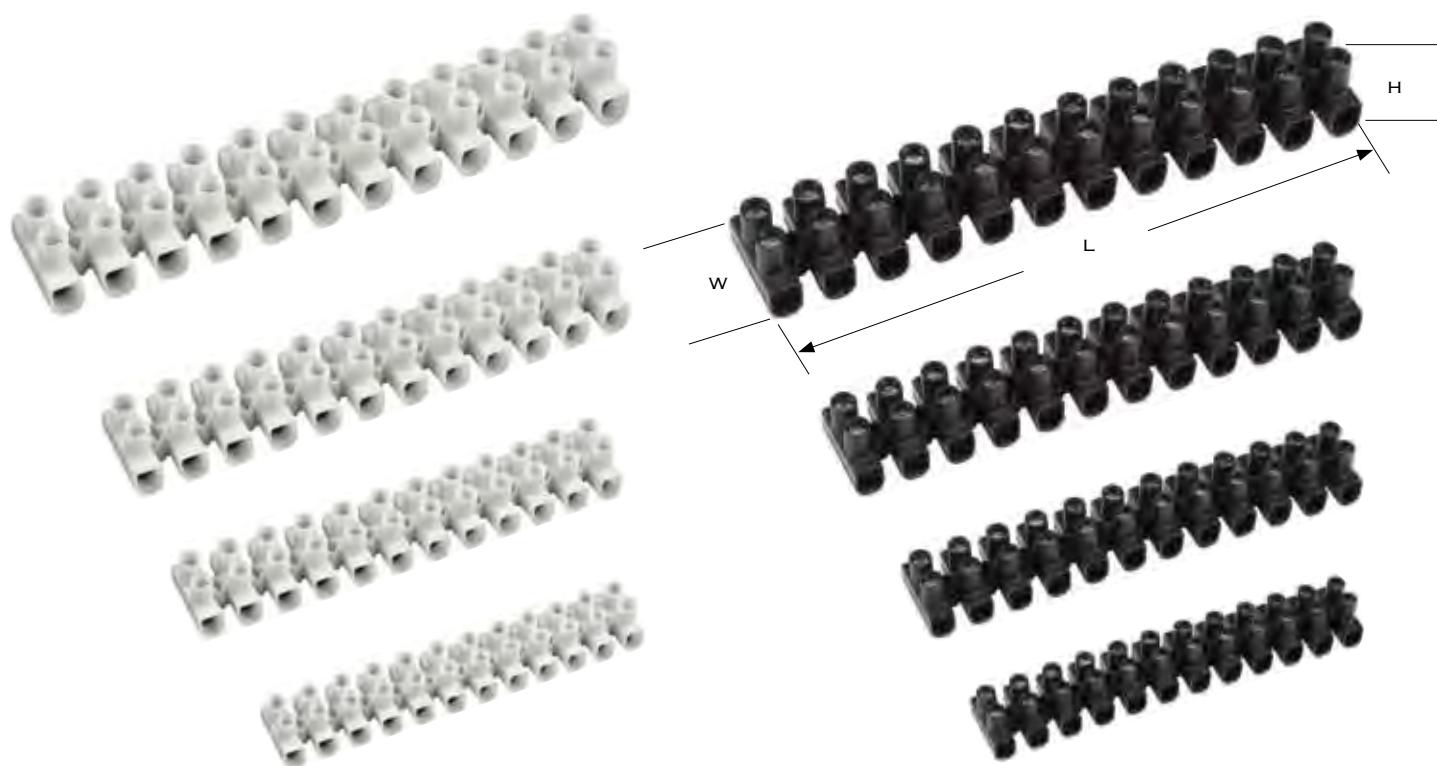
BUK 2.5/5



| ELECTRICAL RATINGS | VOLTAGE / CURRENT / CROSS-SEC.   |         |      | VOLTAGE / CURRENT / CROSS-SEC. |         |      | VOLTAGE / CURRENT / CROSS-SEC. |         |      |
|--------------------|----------------------------------|---------|------|--------------------------------|---------|------|--------------------------------|---------|------|
|                    | IEC 60998-1, IEC 60998-2-1 (VDE) |         |      |                                |         |      |                                |         |      |
| CONNECTION DATA    | SOLID STRAND                     |         |      | 1.0 - 2.5 MM <sup>2</sup>      |         |      | 1.0 - 2.5 MM <sup>2</sup>      |         |      |
|                    | INSULATION STRIPPING LENGTH      |         |      | 7 MM                           |         |      | 7 MM                           |         |      |
|                    | AWG CONDUCTOR                    |         |      | 22 ... 12                      |         |      | 22 ... 12                      |         |      |
|                    | DIMENSIONS                       |         |      |                                |         |      |                                |         |      |
|                    | A                                | 9.4     |      | A                              | 9.4     |      | A                              | 9.4     |      |
|                    | B                                | 19.4    |      | B                              | 19.4    |      | B                              | 19.4    |      |
|                    | C                                | 13.8    |      | C                              | 17.6    |      | C                              | 21.1    |      |
| ORDERING DATA      | TYPE                             | CAT.No. | QTY. | TYPE                           | CAT.No. | QTY. | TYPE                           | CAT.No. | QTY. |
|                    | BUK 2.5/3                        | 425 235 | 100  | BUK 2.5/4                      | 425 245 | 100  | BUK 2.5/5                      | 425 255 | 100  |



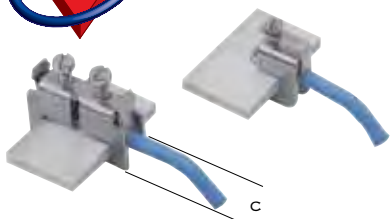
## TERMINAL STRIPS



| ELECTRICAL RATINGS                       | VOLT. / CURRENT / CROSS-SEC. |         |      | VOLT. / CURRENT / CROSS-SEC. |         |      | VOLT. / CURRENT / CROSS-SEC. |         |      | VOLT. / CURRENT / CROSS-SEC. |         |      |
|------------------------------------------|------------------------------|---------|------|------------------------------|---------|------|------------------------------|---------|------|------------------------------|---------|------|
| IEC 60998-1, IEC 60998-2 (VDE)           | 450 V ~ / 32 A / 2.5 MM²     |         |      | 450 V ~ / 41 A / 4 MM²       |         |      | 450 V ~ / 57 A / 6 MM²       |         |      | 450 V ~ / 32 A / 2.5 MM²     |         |      |
| UL                                       | 300 V ~ / 20 A / AWG 22 - 10 |         |      | 300 V ~ / 30 A / AWG 22 - 10 |         |      | 300 V ~ / 50 A / AWG 14 - 8  |         |      | 300 V ~ / 20 A / AWG 26 - 10 |         |      |
| TORQUE                                   | 0.4 NM                       |         |      | 0.5 NM                       |         |      | 0.8 NM                       |         |      | 0.4 NM                       |         |      |
| CONNECTION DATA                          |                              |         |      |                              |         |      |                              |         |      |                              |         |      |
| SOLID STRAND, SCREW CONNECTION           | 0.75 - 4 MM²                 |         |      | 0.75 - 6 MM²                 |         |      | 1.5 - 6 MM²                  |         |      | 4 - 16 MM²                   |         |      |
| FINE STRAND, SCREW CONNECTION            | 0.5 - 2.5 MM²                |         |      | 0.5 - 4 MM²                  |         |      | 1.5 - 6 MM²                  |         |      | 4 - 10 MM²                   |         |      |
| INSULATION STRIPPING LENGTH / TORQUE     | 7 MM                         |         |      | 8 MM                         |         |      | 10 MM                        |         |      | 10 MM                        |         |      |
| AWG CONDUCTOR                            | 22...12                      |         |      | 22...10                      |         |      | 14...8                       |         |      | 10...6                       |         |      |
| ORDERING DATA                            | TYPE                         | CAT.NO. | QTY. | TYPE                         | CAT.NO. | QTY. | TYPE                         | CAT.NO. | QTY. | TYPE                         | CAT.NO. | QTY. |
| BLACK (WITH SCREW BLOCKAGE, PASSIVATED)  | SK 1                         | 430 002 | 50   | SK 2                         | 430 012 | 50   | SK 3                         | 430 022 | 50   | SK 4                         | 430 032 | 50   |
| NATUREL (WITH SCREW BLOCKAGE, NI COATED) | SK 1                         | 431 002 | 50   | SK 2                         | 431 012 | 50   | SK 3                         | 431 022 | 50   | SK 4                         | 431 032 | 50   |
| DIMENSIONS                               |                              |         |      |                              |         |      |                              |         |      |                              |         |      |
| L                                        | 95                           |         |      | 116                          |         |      | 135                          |         |      | 176                          |         |      |
| W                                        | 16                           |         |      | 19                           |         |      | 22.5                         |         |      | 25.3                         |         |      |
| H                                        | 12.8                         |         |      | 15                           |         |      | 17.65                        |         |      | 20.5                         |         |      |



## CLAMPING YOKES AND ACCESSORIES



**BIK 1**  
400 110



**BIK 2**  
400 120



**BIK 3**  
400 130



**BIK 4**  
400 140



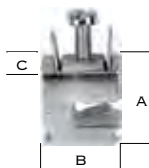
**BIK 5**  
400 150



| ELECTRICAL RATINGS          |   |                         |      |                        |      |                        |      |
|-----------------------------|---|-------------------------|------|------------------------|------|------------------------|------|
| CROSS-SECTION               |   | 1.5 - 6 MM <sup>2</sup> |      | 6 - 35 MM <sup>2</sup> |      | 6 - 35 MM <sup>2</sup> |      |
| BUSBARS USED                |   | 25 X 3 MM               |      | 30 X 5 MM              |      | 40 X 5 MM              |      |
| TORQUE                      |   | 1.5 NM                  |      | 1.5 NM                 |      | 1.5 NM                 |      |
| ORDERING DATA               |   | CAT. NO.                | QTY. | CAT. NO.               | QTY. | CAT. NO.               | QTY. |
|                             |   | 400 110                 | 100  | 400 120                | 100  | 400 130                | 100  |
| CONNECTION DATA             |   |                         |      |                        |      |                        |      |
| INSULATION STRIPPING LENGTH |   | 19 MM                   |      | 21 MM                  |      | 26 MM                  |      |
| AWG CONDUCTOR               |   | 14 ... 8                |      | 8 ... 1                |      | 8 ... 1                |      |
| DIMENSIONS                  |   |                         |      |                        |      |                        |      |
|                             | A | 21.8                    |      | 25.7                   |      | 26.5                   |      |
|                             | B | 39.7                    |      | 44.0                   |      | 54.0                   |      |
|                             | C | 10.5                    |      | 13.0                   |      | 13.0                   |      |

**BIK** and **SBK** TYPE TERMINALS ARE PRODUCED SUITABLE FOR VARIOUS BUSBAR SIZES. IT IS POSSIBLE TO TRANSFER ENERGY PRACTICALLY WITHOUT DRILLING THE BUSBARS. **SBK** TYPE IS MORE ADVANTAGEOUS THAN **BIK** TYPE IN SENSE OF CABLE CONNECTION ABILITY BY CONNECTING TERMINAL ON BUSBAR OPTIONALLY.

**SBK 16/5**  
401 173



**SBK 16/10**  
401 174



**SBK 35/5**  
401 180



**SBK 35/10**  
401 181



**SBK 50/5**  
401 501



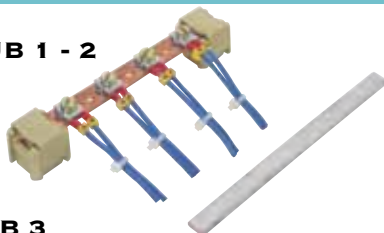
**SBK 50/10**  
401 502



| ELECTRICAL RATINGS    |      |                          |      |                          |      |                         |      |                         |      |                         |      |                         |      |
|-----------------------|------|--------------------------|------|--------------------------|------|-------------------------|------|-------------------------|------|-------------------------|------|-------------------------|------|
| CROSS-SECTION         |      | 1.5 - 16 MM <sup>2</sup> |      | 1.5 - 16 MM <sup>2</sup> |      | 16 - 35 MM <sup>2</sup> |      | 16 - 35 MM <sup>2</sup> |      | 25 - 50 MM <sup>2</sup> |      | 25 - 50 MM <sup>2</sup> |      |
| BUSBARS USED          |      | ... X 5 MM               |      | ... X 10 MM              |      | ... X 5 MM              |      | ... X 10 MM             |      | ... X 5 MM              |      | ... X 10 MM             |      |
| TORQUE                |      | 4 NM                     |      | 4 NM                     |      | 6 NM                    |      | 6 NM                    |      | 8 NM                    |      | 8 NM                    |      |
| ORDERING DATA         |      | CAT. No.                 | QTY. | CAT. No.                 | QTY. | CAT. No.                | QTY. | CAT. No.                | QTY. | CAT. No.                | QTY. | CAT. No.                | QTY. |
|                       |      | 401 173                  | 100  | 401 174                  | 100  | 401 180                 | 25   | 401 181                 | 25   | 401 501                 | 25   | 401 502                 | 25   |
| CONNECTION DATA       |      |                          |      |                          |      |                         |      |                         |      |                         |      |                         |      |
| INS. STRIPPING LENGTH |      | 22 MM                    |      | 22 MM                    |      | 30 MM                   |      | 30 MM                   |      | 36 MM                   |      | 36 MM                   |      |
| AWG CONDUCTOR         |      | 14 ... 6                 |      | 14 ... 6                 |      | 10 ... 2                |      | 10 ... 2                |      | 6 ... 10                |      | 6 ... 10                |      |
| DIMENSIONS            |      |                          |      |                          |      |                         |      |                         |      |                         |      |                         |      |
| A<br><br>B<br><br>C   | 25.0 | 29.3                     |      | 31.0                     |      | 36.0                    |      | 41.0                    |      | 46.0                    |      |                         |      |
|                       | 21.5 | 21.5                     |      | 29.0                     |      | 29.0                    |      | 35.0                    |      | 35.0                    |      |                         |      |
|                       | 11.7 | 11.7                     |      | 16.3                     |      | 16.3                    |      | 17.5                    |      | 17.0                    |      |                         |      |

## BUSBARS

**KUB 1 - 2**

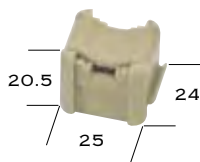


**KUB 3**

SINGLE STRAND SCREW CONNECTION : 0.5 ... 2.5 MM  
INSULATION STRIPPING LENGTH : 9 MM

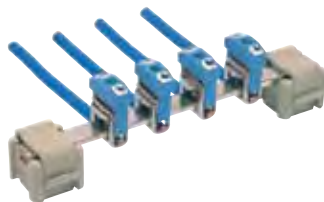
| TYPE    | CAT. NO.       | CURRENT (A) | MATERIAL          | DIMENSIONS(MM) | QTY.  |
|---------|----------------|-------------|-------------------|----------------|-------|
| KUB 1   | <b>525 100</b> | 80          | E - CU            | 15 x 2         | 1 M   |
| KUB 1/2 | <b>525 101</b> | 80          | E - CU            | 15 x 2         | 50 CM |
| KUB 2   | <b>525 200</b> | 140         | E - CU            | 15 x 3         | 1 M   |
| KUB 2/2 | <b>525 201</b> | 140         | E - CU            | 15 x 3         | 50 CM |
| KUB 3   | <b>525 300</b> | 80          | E - CU            | 10 x 3         | 1 M   |
| KUB 3/3 | <b>525 350</b> | 80          | TIN PLATED E - CU | 10 x 3         | 1 M   |

## BUSBAR SUPPORT BLOCK



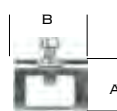
| TYPE | CAT. NO.       | DIMENSIONS | MATERIAL | QTY. |
|------|----------------|------------|----------|------|
| BM   | <b>528 110</b> | 15 x 2     | PA 6.6   | 50   |
|      |                | 15 x 3     |          |      |
|      |                | 12 x 2     |          |      |
|      |                | 10 x 3     |          |      |
|      |                | 6 x 6      |          |      |

## CLAMPING YOKES AND ACCESSORIES

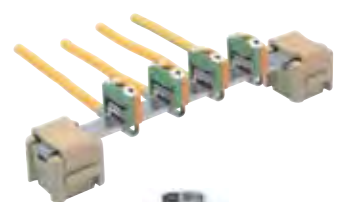


THE CLAMPING YOKES CAN BE SLID ONTO THE 10 X 3 BUSBAR UP TO 50 MM<sup>2</sup> AND THE ENTIRE WIRING MATCHED TO THE INSTALLATION.

**BK 4**  
525 361



**BK 10**  
525 362



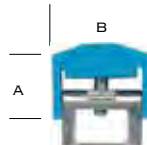
**BK 35**  
525 363



| ELECTRICAL RATINGS          |               |          |      |                |          |      |               |          |      |  |  |
|-----------------------------|---------------|----------|------|----------------|----------|------|---------------|----------|------|--|--|
| CROSS-SECTION               | 4 MM²         |          |      | 10 MM²         |          |      | 35 MM²        |          |      |  |  |
| INSULATION STRIPPING LENGTH | 16 MM         |          |      | 19 MM          |          |      | 19 MM         |          |      |  |  |
| FIXING SCREW                | M 3           |          |      | M 4            |          |      | M 6           |          |      |  |  |
| BUSBAR DIMENSIONS           | 10 x 3        |          |      | 10 x 3         |          |      | 10 x 3        |          |      |  |  |
| TORQUE                      | 0.5 NM        |          |      | 1.2 NM         |          |      | 2.8 NM        |          |      |  |  |
| ORDERING DATA               |               |          |      |                |          |      |               |          |      |  |  |
|                             | TYPE          | CAT. No. | QTY. | TYPE           | CAT. No. | QTY. | TYPE          | CAT. No. | QTY. |  |  |
|                             | BK 4          | 525 361  | 200  | BK 10          | 525 362  | 100  | BK 35         | 525 363  | 50   |  |  |
| CONNECTION DATA             |               |          |      |                |          |      |               |          |      |  |  |
| SOLID STRAND                | 0.5 ... 6 MM² |          |      | 1.5 ... 10 MM² |          |      | 16 ... 50 MM² |          |      |  |  |
| FINE STRAND,                | 0.5 ... 4 MM² |          |      | 2.5 ... 10 MM² |          |      | 16 ... 35 MM² |          |      |  |  |
| AWG CONDUCTOR               | 20 ... 10     |          |      | 14 ... 6       |          |      | 4 ... 1       |          |      |  |  |
| DIMENSIONS                  |               |          |      |                |          |      |               |          |      |  |  |
|                             | A             | 11.3     |      |                | 17.2     |      |               | 23.3     |      |  |  |
|                             | B             | 15.6     |      |                | 15.6     |      |               | 18.2     |      |  |  |
|                             | C             | 5.5      |      |                | 8.7      |      |               | 14.4     |      |  |  |

IBK TYPE CLAMPING YOKES ARE DESIGNED WITH BLUE INSULATION CAPS IN ORDER TO INDICATE CONNECTION TO THE N-LEAD. THEY CAN BE USED WITH DB 5 MARKING TAG.

**IBK 4**  
525 371



**IBK 10**  
525 372



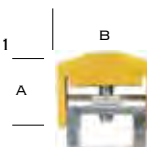
**IBK 35**  
525 373



| ELECTRICAL RATINGS          |               |          |      |                |          |      |               |          |      |  |  |
|-----------------------------|---------------|----------|------|----------------|----------|------|---------------|----------|------|--|--|
| CROSS-SECTION               | 4 MM²         |          |      | 10 MM²         |          |      | 35 MM²        |          |      |  |  |
| INSULATION STRIPPING LENGTH | 16 MM         |          |      | 19 MM          |          |      | 19 MM         |          |      |  |  |
| FIXING SCREW                | M 3           |          |      | M 4            |          |      | M 6           |          |      |  |  |
| BUSBAR DIMENSIONS           | 10 x 3        |          |      | 10 x 3         |          |      | 10 x 3        |          |      |  |  |
| ISOLATION CAP               | BLUE          |          |      | BLUE           |          |      | BLUE          |          |      |  |  |
| TORQUE                      | 0.5 NM        |          |      | 1.2 NM         |          |      | 2.8 NM        |          |      |  |  |
| ORDERING DATA               |               |          |      |                |          |      |               |          |      |  |  |
|                             | TYPE          | CAT. NO. | QTY. | TYPE           | CAT. NO. | QTY. | TYPE          | CAT. NO. | QTY. |  |  |
|                             | IBK 4         | 525 371  | 100  | IBK 10         | 525 372  | 100  | IBK 35        | 525 373  | 50   |  |  |
| CONNECTION DATA             |               |          |      |                |          |      |               |          |      |  |  |
| SOLID STRAND                | 0.5 ... 6 MM² |          |      | 1.5 ... 10 MM² |          |      | 16 ... 50 MM² |          |      |  |  |
| FINE STRAND,                | 0.5 ... 4 MM² |          |      | 2.5 ... 10 MM² |          |      | 16 ... 35 MM² |          |      |  |  |
| AWG CONDUCTOR               | 20 ... 10     |          |      | 14 ... 6       |          |      | 4 ... 1       |          |      |  |  |
| DIMENSIONS                  |               |          |      |                |          |      |               |          |      |  |  |
|                             | A             | 14.1     |      |                | 19.9     |      |               | 8.8      |      |  |  |
|                             | B             | 18.8     |      |                | 18.8     |      |               | 31.7     |      |  |  |
|                             | C             | 6.4      |      |                | 8.5      |      |               | 14.1     |      |  |  |

IBK TYPE CLAMPING YOKES ARE DESIGNED WITH YELLOW - GREEN INSULATION CAPS TO EMPHASISE THE PROTECTION FUNCTION. THEY CAN BE USED WITH DB 5 MARKING TAG.

**IBK 4**  
525 381



**IBK 10**  
525 382



**IBK 35**  
525 383

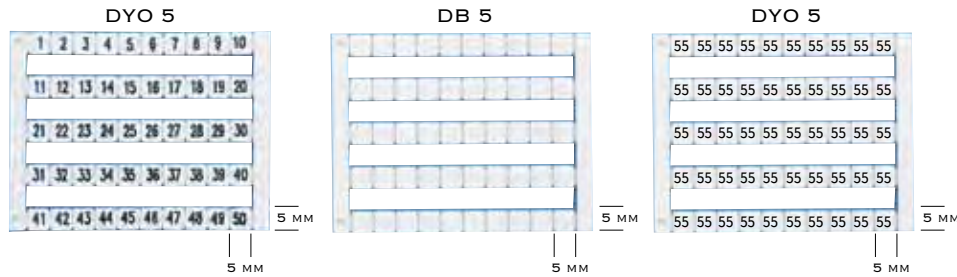


| ELECTRICAL RATINGS          |                           |          |      |                            |          |      |                           |          |      |  |  |
|-----------------------------|---------------------------|----------|------|----------------------------|----------|------|---------------------------|----------|------|--|--|
| CROSS-SEC.                  | 4 MM <sup>2</sup>         |          |      | 10 MM <sup>2</sup>         |          |      | 35 MM <sup>2</sup>        |          |      |  |  |
| INSULATION STRIPPING LENGTH | 16 MM                     |          |      | 19 MM                      |          |      | 19 MM                     |          |      |  |  |
| FIXING SCREW                | M 3                       |          |      | M 4                        |          |      | M 6                       |          |      |  |  |
| BUSBAR DIMENSIONS           | 10 x 3                    |          |      | 10 x 3                     |          |      | 10 x 3                    |          |      |  |  |
| ISOLATION CAP               | YELLOW - GREEN            |          |      | YELLOW - GREEN             |          |      | YELLOW - GREEN            |          |      |  |  |
| TORQUE                      | 0.5 NM                    |          |      | 1.2 NM                     |          |      | 2.8 NM                    |          |      |  |  |
| ORDERING DATA               | TYPE                      | CAT. NO. | QTY. | TYPE                       | CAT. NO. | QTY. | TYPE                      | CAT. NO. | QTY. |  |  |
|                             | IBK 4                     | 525 381  | 100  | IBK 10                     | 525 382  | 100  | IBK 35                    | 525 383  | 50   |  |  |
| CONNECTION DATA             |                           |          |      |                            |          |      |                           |          |      |  |  |
| SOLID STRAND                | 0.5 ... 6 MM <sup>2</sup> |          |      | 1.5 ... 10 MM <sup>2</sup> |          |      | 16 ... 50 MM <sup>2</sup> |          |      |  |  |
| FINE STRAND,                | 0.5 ... 4 MM <sup>2</sup> |          |      | 2.5 ... 10 MM <sup>2</sup> |          |      | 16 ... 35 MM <sup>2</sup> |          |      |  |  |
| AWG CONDUCTOR               | 20 ... 10                 |          |      | 14 ... 6                   |          |      | 4 ... 1                   |          |      |  |  |
| DIMENSIONS                  |                           |          |      |                            |          |      |                           |          |      |  |  |
|                             | A                         | 14.1     |      |                            | 19.9     |      |                           | 8.8      |      |  |  |
|                             | B                         | 18.8     |      |                            | 18.8     |      |                           | 31.7     |      |  |  |
|                             | C                         | 6.4      |      |                            | 8.5      |      |                           | 14.1     |      |  |  |



## FEED-THROUGH TERMINAL ACCESSORIES

### MARKING TAGS WITH STANDARD PRINT

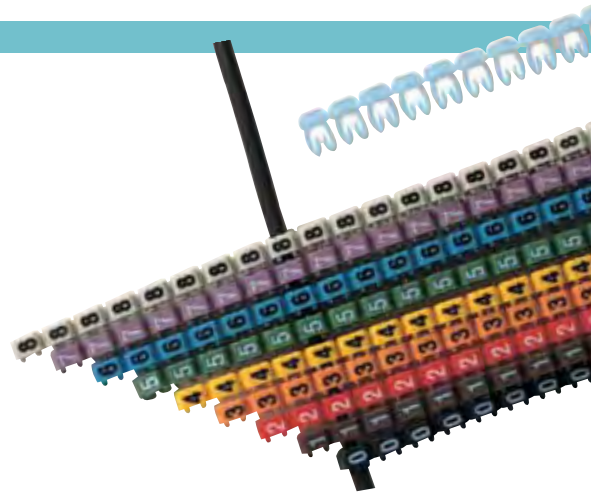


| CAT. NO. | TYPE | DESCRIPTION         | CAT. NO. | TYPE | DESCRIPTION | CAT. NO. | TYPE      | DESCRIPTION |
|----------|------|---------------------|----------|------|-------------|----------|-----------|-------------|
| 505 000  | DY 5 | 0                   | 505 050  | DY 5 | 501-550     | 505 077  | DY 5      | R           |
| 505 001  | DY 5 | 1                   | 505 051  | DY 5 | 551-600     | 505 078  | DY 5      | S           |
| 505 002  | DY 5 | 2                   | 505 052  | DY 5 | 601-650     | 505 079  | DY 5      | T           |
| 505 003  | DY 5 | 3                   | 505 053  | DY 5 | 651-700     | 505 080  | DY 5      | U           |
| 505 004  | DY 5 | 4                   | 505 054  | DY 5 | 701-750     | 505 081  | DY 5      | V           |
| 505 005  | DY 5 | 5                   | 505 055  | DY 5 | 751-800     | 505 082  | DY 5      | W           |
| 505 006  | DY 5 | 6                   | 505 056  | DY 5 | 801-850     | 505 083  | DY 5      | X           |
| 505 007  | DY 5 | 7                   | 505 057  | DY 5 | 851-900     | 505 084  | DY 5      | Y           |
| 505 008  | DY 5 | 8                   | 505 058  | DY 5 | 901-950     | 505 085  | DY 5      | Z           |
| 505 009  | DY 5 | 9                   | 505 059  | DY 5 | 951-999     | 505 090  | DY 5      | L1          |
| 505 010  | DY 5 | 10                  | 505 060  | DY 5 | A           | 505 091  | DY 5      | L2          |
| 505 020  | DY 5 | 1-10                | 505 061  | DY 5 | B           | 505 092  | DY 5      | L3          |
| 505 021  | DY 5 | 11-20               | 505 062  | DY 5 | C           | 505 093  | DY 5      | R S T N     |
| 505 022  | DY 5 | 21-30               | 505 063  | DY 5 | D           | 505 094  | DY 5      | MP          |
| 505 023  | DY 5 | 31-40               | 505 064  | DY 5 | E           | 505 095  | DY 5      | +           |
| 505 024  | DY 5 | 41-50               | 505 065  | DY 5 | F           | 505 096  | DY 5      | -           |
| 505 030  | DY 5 | 10, 20, 30,.....100 | 505 066  | DY 5 | G           | 505 097  | DY 5      | ⊥           |
| 505 040  | DY 5 | 1-50                | 505 067  | DY 5 | H           | 505 098  | DY5       | PE          |
| 505 041  | DY 5 | 51-100              | 505 068  | DY 5 | I           | 505 201  | DY 10/6.5 | 1-10        |
| 505 042  | DY 5 | 101-150             | 505 069  | DY 5 | J           | 505 202  | DY 10/6.5 | 11-20       |
| 505 043  | DY 5 | 151-200             | 505 070  | DY 5 | K           | 505 203  | DY 10/6.5 | 21-30       |
| 505 044  | DY 5 | 201-250             | 505 071  | DY 5 | L           | 505 204  | DY 10/6.5 | 31-40       |
| 505 045  | DY 5 | 251-300             | 505 072  | DY 5 | M           | 505 205  | DY 10/6.5 | 41-50       |
| 505 046  | DY 5 | 301-350             | 505 073  | DY 5 | N           | 505 206  | DY 10/6.5 | 51-60       |
| 505 047  | DY 5 | 351-400             | 505 074  | DY 5 | O           | 505 207  | DY 10/6.5 | 61-70       |
| 505 048  | DY 5 | 401-450             | 505 075  | DY 5 | P           | 505 208  | DY 10/6.5 | 71-80       |
| 505 049  | DY 5 | 451-500             | 505 076  | DY 5 | Q           | 505 209  | DY 10/6.5 | 81-90       |
|          |      |                     |          |      |             | 505 210  | DY 10/6.5 | 91-100      |

## FEED-THROUGH TERMINAL ACCESSORIES

### STANDARD KEB MARKING TAGS

| TYPE        | FOR CONDUCTORS MM2 | QUANTITY |
|-------------|--------------------|----------|
| <b>KG 1</b> | 0.75 - 4           | 100      |
| <b>KG 2</b> | 4 - 16             | 50       |
| <b>KE 1</b> | 0.75 - 1.5         | 500      |
| <b>KE 2</b> | 1.5 - 2.5          | 500      |
| <b>KE 3</b> | 4 - 6              | 500      |

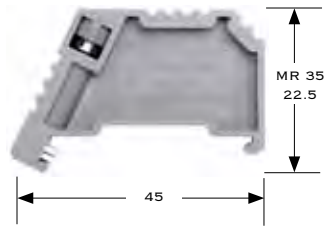


| CLOSED TYPE       |         |         |           |        | OPEN TYPE         |         |         |         |           |        |
|-------------------|---------|---------|-----------|--------|-------------------|---------|---------|---------|-----------|--------|
| CHARACTER NUMBERS | KG 1    | KG 2    | PACKAGING | COLOR  | CHARACTER NUMBERS | KE 1    | KE 2    | KE 3    | PACKAGING | COLOR  |
| 0                 | 515 000 | 516 000 | 1000/500  | YELLOW | 0                 | 517 000 | 518 000 | 519 000 | 500       | BLACK  |
| 1                 | 515 001 | 516 001 | 1000/500  | YELLOW | 1                 | 517 001 | 518 001 | 519 001 | 500       | BROWN  |
| 2                 | 515 002 | 516 002 | 1000/500  | YELLOW | 2                 | 517 002 | 518 002 | 519 002 | 500       | RED    |
| 3                 | 515 003 | 516 003 | 1000/500  | YELLOW | 3                 | 517 003 | 518 003 | 519 003 | 500       | ORANGE |
| 4                 | 515 004 | 516 004 | 1000/500  | YELLOW | 4                 | 517 004 | 518 004 | 519 004 | 500       | YELLOW |
| 5                 | 515 005 | 516 005 | 1000/500  | YELLOW | 5                 | 517 005 | 518 005 | 519 005 | 500       | GREEN  |
| 6                 | 515 006 | 516 006 | 1000/500  | YELLOW | 6                 | 517 006 | 518 006 | 519 006 | 500       | BLUE   |
| 7                 | 515 007 | 516 007 | 1000/500  | YELLOW | 7                 | 517 007 | 518 007 | 519 007 | 500       | MOR    |
| 8                 | 515 008 | 516 008 | 1000/500  | YELLOW | 8                 | 517 008 | 518 008 | 519 008 | 500       | GREY   |
| 9                 | 515 009 | 516 009 | 1000/500  | YELLOW | 9                 | 517 009 | 518 009 | 519 009 | 500       | WHITE  |
| LETTERS           |         |         |           |        | LETTERS           |         |         |         |           |        |
| A                 | 515 010 | 516 010 | 1000/500  | YELLOW | A                 | 517 010 | 518 010 | 519 010 | 200       | YELLOW |
| B                 | 515 011 | 516 011 | 1000/500  | YELLOW | B                 | 517 011 | 518 011 | 519 011 | 200       | YELLOW |
| C                 | 515 012 | 516 012 | 1000/500  | YELLOW | C                 | 517 012 | 518 012 | 519 012 | 200       | YELLOW |
| D                 | 515 013 | 516 013 | 1000/500  | YELLOW | D                 | 517 013 | 518 013 | 519 013 | 200       | YELLOW |
| E                 | 515 014 | 516 014 | 1000/500  | YELLOW | E                 | 517 014 | 518 014 | 519 014 | 200       | YELLOW |
| F                 | 515 015 | 516 015 | 1000/500  | YELLOW | F                 | 517 015 | 518 015 | 519 015 | 200       | YELLOW |
| G                 | 515 016 | 516 016 | 1000/500  | YELLOW | G                 | 517 016 | 518 016 | 519 016 | 200       | YELLOW |
| H                 | 515 017 | 516 017 | 1000/500  | YELLOW | H                 | 517 017 | 518 017 | 519 017 | 200       | YELLOW |
| I                 | 515 018 | 516 018 | 1000/500  | YELLOW | I                 | 517 018 | 518 018 | 519 018 | 200       | YELLOW |
| J                 | 515 019 | 516 019 | 1000/500  | YELLOW | J                 | 517 019 | 518 019 | 519 019 | 200       | YELLOW |
| K                 | 515 020 | 516 020 | 1000/500  | YELLOW | K                 | 517 020 | 518 020 | 519 020 | 200       | YELLOW |
| L                 | 515 021 | 516 021 | 1000/500  | YELLOW | L                 | 517 021 | 518 021 | 519 021 | 200       | YELLOW |
| M                 | 515 022 | 516 022 | 1000/500  | YELLOW | M                 | 517 022 | 518 022 | 519 022 | 200       | YELLOW |
| N                 | 515 023 | 516 023 | 1000/500  | YELLOW | N                 | 517 023 | 518 023 | 519 023 | 200       | YELLOW |
| O                 | 515 024 | 516 024 | 1000/500  | YELLOW | O                 | 517 024 | 518 024 | 519 024 | 200       | YELLOW |
| P                 | 515 025 | 516 025 | 1000/500  | YELLOW | P                 | 517 025 | 518 025 | 519 025 | 200       | YELLOW |
| Q                 | 515 026 | 516 026 | 1000/500  | YELLOW | Q                 | 517 026 | 518 026 | 519 026 | 200       | YELLOW |
| R                 | 515 027 | 516 027 | 1000/500  | YELLOW | R                 | 517 027 | 518 027 | 519 027 | 200       | YELLOW |
| S                 | 515 028 | 516 028 | 1000/500  | YELLOW | S                 | 517 028 | 518 028 | 519 028 | 200       | YELLOW |
| T                 | 515 029 | 516 029 | 1000/500  | YELLOW | T                 | 517 029 | 518 029 | 519 029 | 200       | YELLOW |
| U                 | 515 030 | 516 030 | 1000/500  | YELLOW | U                 | 517 030 | 518 030 | 519 030 | 200       | YELLOW |
| V                 | 515 031 | 516 031 | 1000/500  | YELLOW | V                 | 517 031 | 518 031 | 519 031 | 200       | YELLOW |
| W                 | 515 032 | 516 032 | 1000/500  | YELLOW | W                 | 517 032 | 518 032 | 519 032 | 200       | YELLOW |
| X                 | 515 033 | 516 033 | 1000/500  | YELLOW | X                 | 517 033 | 518 033 | 519 033 | 200       | YELLOW |
| Y                 | 515 034 | 516 034 | 1000/500  | YELLOW | Y                 | 517 034 | 518 034 | 519 034 | 200       | YELLOW |
| Z                 | 515 035 | 516 035 | 1000/500  | YELLOW | Z                 | 517 035 | 518 035 | 519 035 | 200       | YELLOW |
| SIGNS             |         |         |           |        | SIGNS             |         |         |         |           |        |
| MP                | 515 040 | 516 040 | 1000/500  | BLUE   | MP                | 517 040 | 518 040 | 519 040 | 200       | YELLOW |
| S                 | 515 041 | 516 041 | 1000/500  | GREEN  | S                 | 517 041 | 518 041 | 519 041 | 200       | YELLOW |
| T                 | 515 042 | 516 042 | 1000/500  | RED    | T                 | 517 012 | 518 042 | 519 042 | 200       | YELLOW |
| +                 | 515 043 | 516 043 | 1000/500  | RED    | +                 | 517 043 | 518 043 | 519 043 | 200       | YELLOW |
| -                 | 515 044 | 516 044 | 1000/500  | BLUE   | -                 | 517 044 | 518 044 | 519 044 | 200       | YELLOW |
| ±                 | 515 045 | 516 045 | 1000/500  | YELLOW | ±                 | 517 045 | 518 045 | 519 045 | 200       | YELLOW |
| (                 | 515 046 | 516 046 | 1000/500  | YELLOW | (                 | 517 046 | 518 046 | 519 046 | 200       | YELLOW |
| .                 | 515 047 | 516 047 | 1000/500  | YELLOW | .                 | 517 047 | 518 047 | 519 047 | 200       | YELLOW |
| /                 | 515 048 | 516 048 | 1000/500  | YELLOW | /                 | 517 048 | 518 048 | 519 048 | 200       | YELLOW |



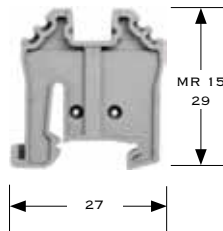
## END BRACKETS

**KD 3**

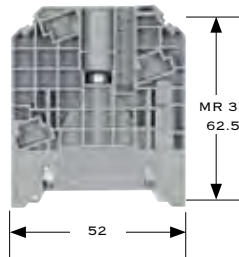


|          |                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| CAT. NO. | <b>495 049 - GREY</b><br><b>495 040 - BEIGE</b>                                                                                        |
|          | SCREW-TYPE END BRACKET MOUNTED ON MR 35 TYPE OF DIN-RAIL. CAN BE USED TOGETHER WITH SCREW CONNECTION FEED-THROUGH ONE LEVEL TERMINALS. |
| QTY.     | 100                                                                                                                                    |

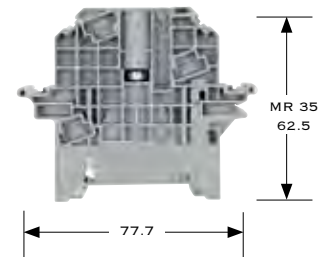
**KD 5**



**KD 6**



**KD 6 A**

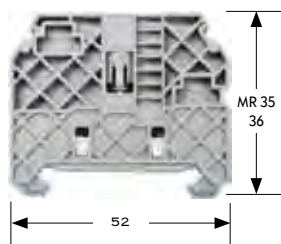


|          |                                                                                                                                                            |                                                                                                                                    |                                                                                                                                    |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| CAT. NO. | <b>495 069 - GREY</b><br><b>495 060 - BEIGE</b>                                                                                                            | <b>495 099 - GREY</b><br><b>495 090 - BEIGE</b>                                                                                    | <b>495 109 - GREY</b><br><b>495 100 - BEIGE</b>                                                                                    |
|          | WITHOUT SCREW END BRACKET MOUNTED ON MR 15 TYPE OF DIN-RAIL. CAN BE USED TOGETHER WITH MINI SCREW CONNECTION AND MINI SPRING CLAMP FEED-THROUGH TERMINALS. | SCREW-TYPE END BRACKET MOUNTED ON MR 35 TYPE OF DIN-RAIL. CAN BE USED TOGETHER WITH FEED-THROUGH TERMINALS FOR BIG CROSS-SECTIONS. | SCREW-TYPE END BRACKET MOUNTED ON MR 35 TYPE OF DIN-RAIL. CAN BE USED TOGETHER WITH FEED-THROUGH TERMINALS FOR BIG CROSS-SECTIONS. |
| QTY.     | 100                                                                                                                                                        | 50                                                                                                                                 | 50                                                                                                                                 |

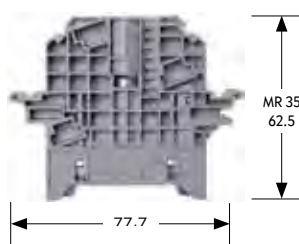


## END BRACKETS

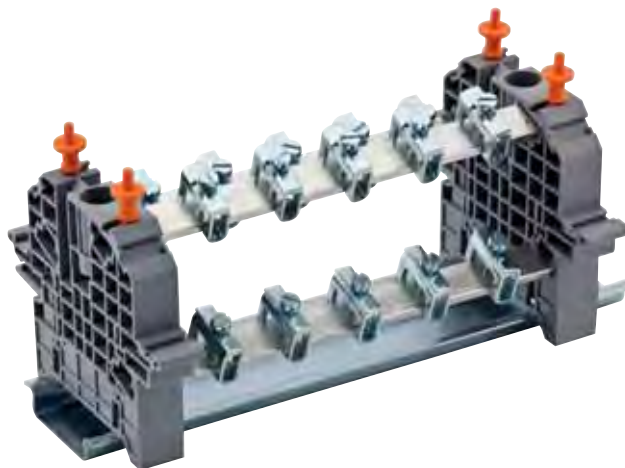
**KD 7**



**KD 6T**



|          |                                                                                                                                                             |                                                                                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAT. NO. | <b>495 219 - GREY</b><br><b>495 210 - BEIGE</b>                                                                                                             | <b>495 209 - GREY</b><br><b>495 200 - BEIGE</b>                                                                                                                                               |
|          | SCREW TYPE END BRACKET<br>MOUNTED ON MR 35 TYPE OF DIN-RAIL.<br>CAN BE USED TOGETHER WITH<br>FEED-THROUGH TERMINALS FOR SMALL<br>AND MIDDLE CROSS-SECTIONS. | SCREW TYPE END BRACKET MOUNTED ON<br>MR 35 TYPE OF DIN-RAIL. CAN BE USED TOGETHER<br>WITH FEED-THROUGH TERMINALS<br>FOR HIGH CROSS-SECTIONS.<br>PROVIDES DISTRIBUTION BLOCK WITH 10X3 BUSBAR. |
| QTY.     | 50                                                                                                                                                          | 50                                                                                                                                                                                            |



## MODULAR GROUP MARKERS

**ME 1 - 1**



**ME 1 - 2**



**ME 2 - 2**



**ME 3**



|          |                                      |                                         |                                         |                                       |
|----------|--------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------|
| CAT. NO. | <b>496 12A - TRANSPARENT</b>         | <b>496 13A - TRANSPARENT</b>            | <b>496 14A - TRANSPARENT</b>            | <b>496 300 - TRANSPARENT</b>          |
|          | 508 530<br>SIFX 0615Y<br>(6 x 15 MM) | 508 519<br>SIT FP 1020Y<br>(10 x 20 MM) | 508 519<br>SIT FP 1020Y<br>(10 x 20 MM) | 508 520<br>SIT FP 4407<br>(7 x 44 MM) |
| QTY.     | 25                                   | 25                                      | 25                                      | 50                                    |

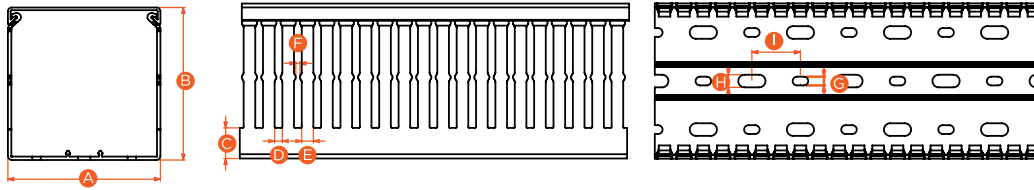




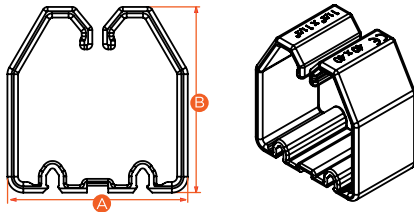
## WIRE DUCT TECHNICAL SPECIFICATIONS



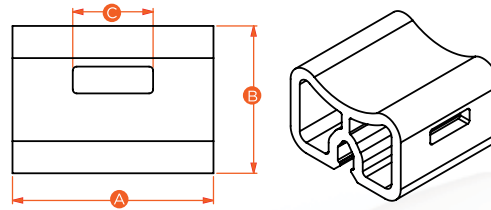
### Wiring Ducts



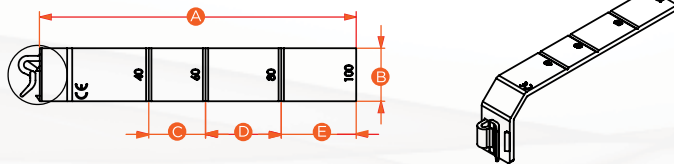
### Wire Retainer



### Cable Clamp



### Cable Holder



**Klemsan**  
**Trunkie**

| CAT. NO. | PRODUCT  | DESCRIPTION     | DIMENSIONS (MM) |    |      |    |      |     |     |     |    |
|----------|----------|-----------------|-----------------|----|------|----|------|-----|-----|-----|----|
|          |          |                 | A               | B  | C    | D  | E    | F   | G   | H   | I  |
| 551 010  | KKC 2530 | WIRING DUCT     | 25              | 30 | 11.4 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 011  | KKC 2540 | WIRING DUCT     | 25              | 40 | 12.4 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 012  | KKC 2560 | WIRING DUCT     | 25              | 60 | 13.6 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 013  | KKC 4040 | WIRING DUCT     | 40              | 40 | 12.4 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 014  | KKC 4060 | WIRING DUCT     | 40              | 60 | 13.6 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 015  | KKC 4080 | WIRING DUCT     | 40              | 80 | 15.8 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 016  | KKC 6040 | WIRING DUCT     | 60              | 40 | 12.6 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 017  | KKC 6060 | WIRING DUCT     | 60              | 60 | 13.8 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 018  | KKC 6080 | WIRING DUCT     | 60              | 80 | 15.8 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 019  | KKC 8060 | WIRING DUCT     | 80              | 60 | 13.8 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 020  | KKC 8080 | WIRING DUCT     | 80              | 80 | 15.8 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 021  | KKC 1006 | WIRING DUCT     | 100             | 60 | 16   | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 022  | KKC 1008 | WIRING DUCT     | 100             | 80 | 16   | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 023  | KKC 1206 | WIRING DUCT     | 120             | 60 | 16.3 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 551 024  | KKC 1208 | WIRING DUCT     | 120             | 80 | 16.3 | 4  | 6    | 2.1 | 4.5 | 6.5 | 25 |
| 553 315  | KKT 25   | WIRING RETAINER | 34              | 35 |      |    |      |     |     |     |    |
| 553 325  | KKT 40   | WIRING RETAINER | 34              | 53 |      |    |      |     |     |     |    |
| 553 335  | KKT 60   | WIRING RETAINER | 53              | 75 |      |    |      |     |     |     |    |
| 553 405  | KKB      | CABLE CLAMP     | 15              | 11 | 6    |    |      |     |     |     |    |
| 553 415  | KKM      | CABLE HOLDER    | 83.6            | 14 | 15   | 20 | 19.8 |     |     |     |    |

## SLOTTED WIRING DUCTS

**Klemsan**  
**Trunkie**



| CAT. NO.       | PRODUCT  | DESCRIPTION                            | PACK. QTY. |
|----------------|----------|----------------------------------------|------------|
| <b>551 010</b> | KKC 2530 | 25 x 30 (1 x 1) SLOTTED WIRING DUCT    | 50 x 2 M   |
| <b>551 011</b> | KKC 2540 | 25 x 40 (1 x 1½) SLOTTED WIRING DUCT   | 50 x 2 M   |
| <b>551 012</b> | KKC 2560 | 25 x 60 (1 x 2¼) SLOTTED WIRING DUCT   | 30 x 2 M   |
| <b>551 013</b> | KKC 4040 | 40 x 40 (1½ x 1½) SLOTTED WIRING DUCT  | 26 x 2 M   |
| <b>551 014</b> | KKC 4060 | 40 x 60 (1½ x 2¼) SLOTTED WIRING DUCT  | 18 x 2 M   |
| <b>551 015</b> | KKC 4080 | 40 x 80 (1½ x 3) SLOTTED WIRING DUCT   | 20 x 2 M   |
| <b>551 016</b> | KKC 6040 | 60 x 40 (2¼ x 1) SLOTTED WIRING DUCT   | 18 x 2 M   |
| <b>551 017</b> | KKC 6060 | 60 x 60 (2¼ x 2¼) SLOTTED WIRING DUCT  | 12 x 2 M   |
| <b>551 018</b> | KKC 6080 | 60 x 80 (2¼ x 3) SLOTTED WIRING DUCT   | 12 x 2 M   |
| <b>551 019</b> | KKC 8060 | 80 x 60 (3 x 2¼) SLOTTED WIRING DUCT   | 14 x 2 M   |
| <b>551 020</b> | KKC 8080 | 80 x 80 (3 x 3) SLOTTED WIRING DUCT    | 12 x 2 M   |
| <b>551 021</b> | KKC 1006 | 100 x 60 (4 x 2¼) SLOTTED WIRING DUCT  | 10 x 2 M   |
| <b>551 022</b> | KKC 1008 | 100 x 80 (4 x 3) SLOTTED WIRING DUCT   | 8 x 2 M    |
| <b>551 023</b> | KKC 1206 | 120 x 60 (4½ x 2¼) SLOTTED WIRING DUCT | 8 x 2 M    |
| <b>551 024</b> | KKC 1208 | 120 x 80 (4½ x 3) SLOTTED WIRING DUCT  | 6 x 2 M    |

## WIRING DUCT COVER



| CAT. NO.       | PRODUCT | DESCRIPTION              | PACK. QTY. |
|----------------|---------|--------------------------|------------|
| <b>551 050</b> | KKK 25  | 25 MM WIRING DUCT COVER  | 10 x 2 M   |
| <b>551 051</b> | KKK 40  | 40 MM WIRING DUCT COVER  | 10 x 2 M   |
| <b>551 052</b> | KKK 60  | 60 MM WIRING DUCT COVER  | 10 x 2 M   |
| <b>551 053</b> | KKK 80  | 80 MM WIRING DUCT COVER  | 10 x 2 M   |
| <b>551 054</b> | KKK 100 | 100 MM WIRING DUCT COVER | 10 x 2 M   |
| <b>551 055</b> | KKK 120 | 120 MM WIRING DUCT COVER | 10 x 2 M   |

## WIRING DUCT ACCESSORIES



| CAT. NO.       | PRODUCT | DESCRIPTION     | PACK. QTY. |
|----------------|---------|-----------------|------------|
| <b>553 315</b> | KKT 25  | WIRING RETAINER | 10         |
| <b>553 325</b> | KKT 40  | WIRING RETAINER | 10         |
| <b>553 335</b> | KKT 60  | WIRING RETAINER | 10         |
| <b>553 405</b> | KKB     | CABLE CLAMP     | 10         |
| <b>553 415</b> | KKM     | CABLE HOLDER    | 10         |

## WIRING DUCT CUTTER



### DC-125

- QUICK & EASY CUTTING
- BURR-FREE CUT EDGES
- NO NOISE, NO CHIPS
- DUCTS CUT PRECISELY TO THE MILLIMETER
- BLADE GUARD GUARANTEES SECURE OPERATION



## TEST PLUGS AND SOCKETS



| CAT. NO.       | PRODUCT      | TERMINALS USED                                                                                                                                                    |
|----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>493 020</b> | TF (Q2)      | AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD                                                                    |
| <b>493 023</b> | TF (2.3)     | AVK 2.5; AVK 4; AVK 6 ; AVK 10;PIK 2.5 N; PIK 4 NK; OIK 2.5 ND; PIK 2.5 NLD; PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD                                                |
| <b>490 010</b> | TSK 1 (Q2)   | AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD                                                                    |
| <b>490 030</b> | TSK 3 (Q2.3) | AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4 N; PIK 4 NK; PIK 4 ND; PIK 4 NLD; PUK 3; PUK 2T; PUK 3T; PUK 3 S; PUK 3 SLD (NPN); PUK 3 SLD (PNP) |
| <b>493 040</b> | TF (Q4)      | AVK 4; AVK 6; AVK 10; AVK 16; AVK 16 RD; AVK 35 RD; AVK 35 IRD; WGO 1; WGO 2N; WGO 2 IR; WGO 3; WGL 1; AVK 4C                                                     |
| <b>490 040</b> | TSK 4 (Q2.3) | AVK 4; AVK 6; AVK 10; AVK 4 C                                                                                                                                     |
| <b>490 070</b> | TSK 7 (Q4)   | AVK 4; AVK 6; AVK 10; AVK 4 C                                                                                                                                     |
| <b>492 010</b> | ITK 28 (Q4)  | AVK 4; AVK 6; AVK 10; AVK 4 C                                                                                                                                     |
| <b>490 080</b> | TSK 8 (Q4)   | AVK 16                                                                                                                                                            |
| <b>492 020</b> | ITK 32 (Q4)  | AVK 16                                                                                                                                                            |
| <b>490 090</b> | TSK 9 (Q4)   | AVK 16 RD; AVK 35 RD; AVK 35 IRD                                                                                                                                  |
| <b>490 100</b> | TSK 10       | WGO 1; WGO 3; WGL 1                                                                                                                                               |
| <b>492 030</b> | ITK 35       | WGO 2N                                                                                                                                                            |
| <b>490 060</b> | TSK 6        | WGO 2N                                                                                                                                                            |

## INTERFACE RELAY MODULES

### NEW INTERFACE RELAY SAVES SPACE ON THE DIN RAIL

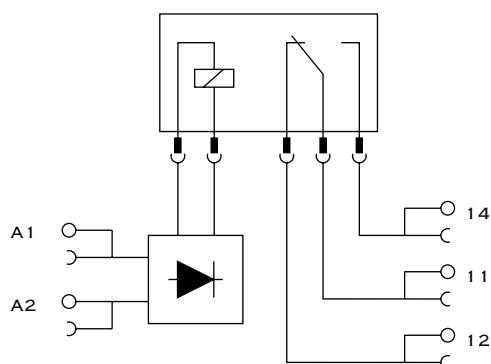
NOW DESIGN ENGINEERS HAVE A BETTER, SLIMMER WAY TO CONTROL SYSTEMS IN MACHINERY AND PROCESSES. OUR NEW INTERFACE RELAYS COME IN 115VAC/DC OR 24 VAC/DC IN A SLIM 6MM, DIN RAIL MOUNTABLE PACKAGE. THERE ARE TWO SETS OF CONTACTS, 1 NO AND 1 NC THAT CAN EACH CARRY 6A.



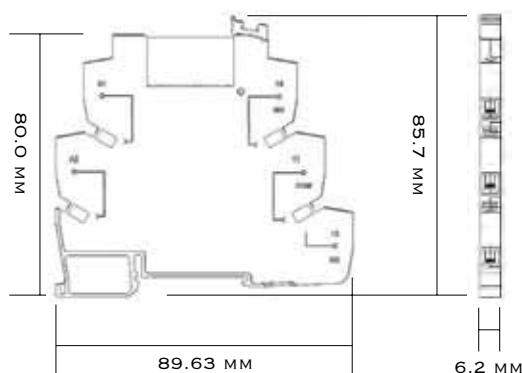
| TYPE                 | INPUT TYPE | ORDER No       |
|----------------------|------------|----------------|
| KPR-SCE-24VAC/DC-1C  | 24V AC/DC  | <b>270 810</b> |
| KPR-SCE-115VAC/DC-1C | 115V AC/DC | <b>270 840</b> |
| KPR-SCE-230VAC/DC-1C | 230V AC/DC | <b>270 850</b> |

|                                    |                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------|
| CONTACT TYPE                       | 1 CO                                                                                     |
| CONTACT MATERIAL                   | AGSNO2                                                                                   |
| CONTACT RATING (COSΦ=1)            | 6A 250VAC / 30VDC                                                                        |
| MAX. SWITCHING VOLTAGE             | 400VAC / 125VDC                                                                          |
| MAX. SWITCHING CURRENT             | 6A                                                                                       |
| MAX. SWITCHING POWER               | 1500VA / 180W                                                                            |
| MECHANICAL LIFE                    | 1 x 10 <sup>7</sup> OPERATIONS                                                           |
| ELECTRICAL LIFE (UL APPROVAL)      | (NO) 3 x 10 <sup>4</sup> OPERATIONS (85°C)<br>(NC) 1 x 10 <sup>4</sup> OPERATIONS (85°C) |
| ISOLATION RESISTANCE               | 1000MΩ (500VDC)                                                                          |
| DIELECTRIC STRENGTH                |                                                                                          |
| BETWEEN RELAY COIL AND CONTACTS    | 4000VAC 1 MINUTE                                                                         |
| BETWEEN RELAY CONTACTS             | 1000VAC 1 MINUTE                                                                         |
| RESPONSE TIME (AT NOMINAL VOLTAGE) | 10MSN MAX                                                                                |
| RELEASE TIME (AT NOMINAL VOLTAGE)  | 5MSN MAX                                                                                 |
| HUMIDITY                           | %5 .. %85 (NON-CONDENSING)                                                               |
| OPERATING TEMPERATURE              | -40°C .. +85°C                                                                           |
| INPUT VOLTAGE (UN)                 | 24V, 115V, 230V (AC/DC)                                                                  |
| RESPONSE VOLTAGE                   | %80 x UN                                                                                 |
| RELEASE VOLTAGE                    | %20 x UN                                                                                 |
| RELAY TYPE (COIL)                  |                                                                                          |
| 24V (AC/DC)                        | 24VDC, 170mW                                                                             |
| 115V, 230V (AC/DC)                 | 60VDC, 210mW                                                                             |
| RELAY INDICATOR                    | GREEN LED                                                                                |
| CONNECTION TYPE                    | SCREW TERMINALS                                                                          |
| MAX. CABLE CROSS-SECTION           | 2.5MM <sup>2</sup>                                                                       |
| MAX. TORQUE                        | 0.4NM                                                                                    |
| MOUNTING TYPE                      | RAIL MOUNTED                                                                             |
| MOUNTING RAIL                      | MR 35 x 7.5 / MR 35 x 15                                                                 |
| PACKAGING UNIT                     | 10 PCS                                                                                   |

BLOCK DIAGRAM



DIMENSIONS





## JUNCTION BOXES WITH FEED THROUGH TERMINALS



### SAVE TIME

- EASY, TOP ENTRY, SCREWLESS WIRING (INSERT SCREWDRIVER, OPENS CLAMP – INSERT WIRE, REMOVE SCREWDRIVER FOR SECURE CONNECTION)
- CAPTIVE HALF TURN, SPRING LOADED, COVER SCREWS FOR FAST AND EASY ACCESS
- IP 65, NEMA 4X RATED, POLYCARBONATE (-40°C - 80°C) INDOOR / OUTDOOR ENCLOSURE WITH GASKET
- INCLUDED: 2 SETS OF M20 CABLE GRIPS (IP68) AND LOCKNUTS TO SEAL ENCLOSURE (3.5MM-8MM CABLE DIAMETER)
- OPTIONAL: NON-INSULATED SCREWDRIVER (USED TO OPEN TERMINAL SPRING CLAMPS)

| ITEM #         | ITEM NAME                               | TERMINAL        | CURRENT | VOLTAGE |
|----------------|-----------------------------------------|-----------------|---------|---------|
| <b>JB-FT5</b>  | JUNCTION BOX, 5 FEED-THROUGH TERMINALS  | 5 FEED-THROUGH  | 35 A    | 600 V   |
| <b>JB-FT10</b> | JUNCTION BOX, 10 FEED-THROUGH TERMINALS | 10 FEED-THROUGH | 35 A    | 600 V   |
| <b>JB-FT15</b> | JUNCTION BOX, 15 FEED-THROUGH TERMINALS | 15 FEED-THROUGH | 35 A    | 600 V   |
| <b>JB-FT20</b> | JUNCTION BOX, 20 FEED-THROUGH TERMINALS | 20 FEED-THROUGH | 26 A    | 600 V   |
| <b>M20KIT</b>  | 2, M20, GREY CABLE GRIPS WITH LOCKNUTS  | N/A             | N/A     | N/A     |
| <b>W900834</b> | NON-INSULATED SCREWDRIVER               | N/A             | N/A     | N/A     |

## THERMOCOUPLE TERMINAL BLOCKS



- BUILT IN MINIATURE FEMALE THERMOCOUPLE CONNECTOR FOR MONITORING, TROUBLESHOOTING AND AUDIT FEATURE
- SCREW TYPE TERMINAL FOR SECURE AND MAINTENANCE FREE CONNECTIONS
- TYPE K AND J CALIBRATIONS
- FULLY ENCLOSED—NO END PLATES REQUIRED
- DIN RAIL MOUNTABLE (32 MM OR 35 MM)—NARROW 10.7 MM WIDTH
- IDENTIFIED WITH CALIBRATION AND “+” , “-” CONNECTIONS
- WRITE-ON TERMINAL MARKERS



| ITEM #          | WIDTH   | LENGTH | WIRE SIZE | INSULATION STRIPPING LENGTH | TORQUE         | TEMPERATURE RANGE |
|-----------------|---------|--------|-----------|-----------------------------|----------------|-------------------|
| <b>TCB-J</b>    | 10.7 MM | 51 MM  | 12 AWG    | 8 MM                        | 0.6 TO 0.8 N·M | -40 TO 85 °C      |
| <b>TCB-K</b>    | 10.7 MM | 51 MM  | 12 AWG    | 8 MM                        | 0.6 TO 0.8 N·M | -40 TO 85 °C      |
| <b>TCABLE-J</b> | N/A     | 60 IN  | N/A       | N/A                         | N/A            | N/A               |
| <b>TCABLE-K</b> | N/A     | 60 IN  | N/A       | N/A                         | N/A            | N/A               |
| <b>TCONN-J</b>  | N/A     | N/A    | N/A       | N/A                         | N/A            | N/A               |
| <b>TCONN-K</b>  | N/A     | N/A    | N/A       | N/A                         | N/A            | N/A               |



## CE MARKING

THE LETTERS CE STAND FOR COMFORMITÉ EUROPÉENNE, MEANING "EUROPEAN CONFORMITY". CE SIGN CONFIRMS THAT A PRODUCT MEETS THE DEMANDS OF ALL RELEVANT GUIDELINES AND REGULATIONS OF THE EUROPEAN UNION (EU), AND DECLARES A PRODUCT IS APPROPRIATE FOR HUMAN SECURITY AND HEALTH. THE PRODUCTS OF KLEMSAN ARE SUBJECT TO BELOW DIRECTIVES:

### 1- LOW VOLTAGE DIRECTIVE (LVD) - 73/23 EEC

THIS DIRECTIVE INCLUDES ELECTRICAL DEVICES WHICH FUNCTION IN THE RANGE OF 50-1000 V (ALTERNATIVE CURRENT) AND 75-1500 V (DIRECT CURRENT).

**2- EQUIPMENT FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES (ATEX) - 94/9 EEC.** ATEX IS THE NAME COMMONLY GIVEN TO THE FRAMEWORK FOR CONTROLLING EXPLOSIVE ATMOSPHERES AND THE STANDARDS OF EQUIPMENT AND PROTECTIVE SYSTEMS USED IN THEM.

## RoHS

THE RoHS DIRECTIVE STANDS FOR "RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT". THIS DIRECTIVE BANS THE PLACING ON THE EU MARKET OF NEW ELECTRICAL AND ELECTRONIC EQUIPMENT CONTAINING MORE THAN AGREED LEVELS OF LEAD, CADMIUM, MERCURY, HEXAVALENT CHROMIUM, POLYBROMINATED BIPHENYL (PBB) AND POLYBROMINATED DIPHENYL ETHER (PBDE) FLAME RETARDANTS. THE PERMITTED RATIOS ARE BELOW:

|                                          |                                                            |
|------------------------------------------|------------------------------------------------------------|
| <b>Cd</b>                                | CADMIUM - %0.01 PPM                                        |
| <b>Hg</b>                                | MERCURY - %0.1 PPM                                         |
| <b>Cr(VI)</b>                            | HEXAVALENT CHROMIUM (COATING) - %0.1 PPM                   |
| <b>PBB</b>                               | POLYBROMINATED BIPHENYL (FLAME RETARDANT) - %0.1 PPM       |
| <b>PBDE</b>                              | POLYBROMINATED DIPHENYL ETHER (FLAME RETARDANT) - %0.1 PPM |
| <b>Pb</b>                                | LEAD - %0.1 PPM                                            |
| PPM: PARTS PER MILLION (IN TOTAL WEIGHT) |                                                            |

KLEMSAN HAS DEVELOPED SOME PROCESSES AND COMPONENTS IN ACCORDANCE WITH RoHS DIRECTIVES IN 2006, AND HAD ITS PRODUCTS TESTED IN THE APPROVED LABORATORIES, AND ACHIEVED RoHS CONFORMITY APPROVALS.

## REACH DIRECTIVE

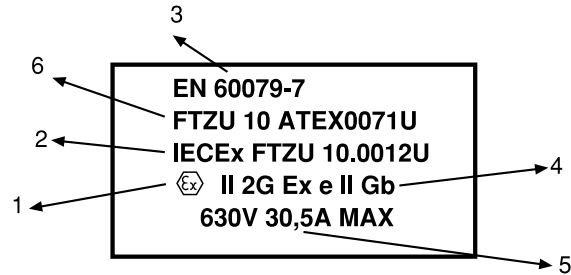
AS THE NAME IMPLIES, THE 2006/1907/EC REACH (REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS) DIRECTIVE, ADOPTED BY THE EUROPEAN UNION ON 1 JUNE 2007, OBLIGES COMPANIES THAT PRODUCE, IMPORT, OR USE CHEMICAL SUBSTANCES TO REGISTER THESE SUBSTANCES AND THEIR USES AND DETERMINE ANY RELATED DANGERS AND RISKS IF REQUIRED.



## POLLUTION SEVERITIES

POLLUTION SEVEATEX DIRECTIVES REGULATING THE "94/9/EC" - USE OF EQUIPMENT IN POTENTIALLY EXPLOSIVE ATMOSPHERES WAS PUT INTO FORCE ON DECEMBER 1ST 2003 BY THE EUROPEAN UNION. BY THIS DIRECTIVE, RATED VALUES FOR NORMAL OPERATING CONDITIONS HAVE BEEN REVISED FOR POTENTIALLY EXPLOSIVE AREAS.

BELOW FIGURE ILLUSTRATES AND VERBALIZES THE MEANING OF THE LABELS ATEX CERTIFICATED PRODUCTS:



- 1 EXPLOSION PROTECTION SYMBOL
- 2 INTERNATIONAL EXPLOSIVE PROTECTION ON CERTIFICATE NUMBER
- 3 STANDARD REFERENCE NUMBER
- 4 A: EQUIPMENT GROUP II  
B: PRODUCT CATEGORY 2 - FOR USAGE IN ZONE 1 AND/ OR 2  
C: APPROVAL FOR APPLICATIONS IN GAS (G) ENVIRONMENT  
D: "E" CLASS FOR HAVING INCREASED SAFETY CATEGORY
- 5 RATED VOLTAGE AND CURRENT VALUES
- 6 NOTIFIED BODY NAME



### EQUIPMENT GROUP

- 1- MINES
- 2- OTHER INDUSTRY BRANCHES

### CLASSIFICATION OF POTENTIALLY EXPLOSIVE AREAS

**ZONE 0:** PLACES WHERE THE POTENTIAL FOR EXPLOSION IS HIGH AND DURATION IS LONG UNDER NORMAL OPERATING CONDITIONS

**ZONE 1:** PLACES WHERE THE POTENTIAL FOR EXPLOSION IS LOW AND DURATION IS SHORT UNDER NORMAL OPERATING CONDITIONS

**ZONE 2:** PLACES WHERE THERE IS NO POTENTIAL FOR EXPLOSION UNDER NORMAL OPERATING CONDITIONS OR LOW POTENTIAL FOR EXPLOSION WITH SHORT DURATION UNDER DEFECT, REPAIR AND MAINTENANCE SITUATIONS.

### "E" CLASS INCREASED SAFETY

THIS IS AN APPLICATION WHERE THE PRECAUTIONS ARE TAKEN ALTHOUGH THERE IS NO ARC OCCURRING UNDER NORMAL OPERATING CONDITIONS. SECURITY OF THE DEVICE IS INCREASED ONE STEP FURTHER. THIS APPLICATION IS USED IN ENVIRONMENTS WITH NO DANGER OF HIGH TEMPERATURE UNDER NORMAL OPERATIONS E.G. IN TERMINAL BLOCK BOXES, CABLE CONNECTIONS. SUCH PRODUCTS DO NOT NEED TO BE PRESSURE RESISTANT; IT IS SUFFICIENT TO GET THEIR IP DEGREE UP TO A LEVEL THAT ASSURES WATER AND HUMIDITY RESISTANCE.



## IMPORTANT NOTICE

- KLEMSAN INC. RESERVES THE RIGHTS FOR ANY CHANGES IN THIS CATALOGUE.
- FOR THE PRODUCTS THAT ARE NOT INCLUDED IN OUR CATALOGUE PLEASE CONTACT OUR DEPARTMENT OF TRADE.
- FIGURES AND TECHNICAL SPECS IN THIS CATALOGUE ARE ONLY FOR GENERAL PURPOSE.
- OUR PRODUCTS ARE ASSEMBLED TO BE IN ACCORDANCE WITH EC TECHNICAL REGULATIONS AND CORRESPOND TO THE NATIONAL AND INTERNATIONAL STANDARDS. ALL OUR PRODUCTS ARE FABRICATED IN OUR ISO 9001 AND ISO 14001 CERTIFIED MANUFACTURING PLANTS.
- FOR FURTHER INFORMATION ON THE CERTIFICATES:  
TEL : 0 (212) 222 52 00  
FAX: 0 (212) 222 66 55

ISO 9001 - ISO 14001





## WIRE FERRULES

WIRE FERRULES ARE USED TO TERMINATE STRANDED WIRES AND ARE MAINLY USED WITH EUROPEAN-STYLE TERMINAL BLOCKS AND OTHER IEC CONTROL COMPONENTS. AMERICAN ELECTRICAL HAS THE WIDEST SELECTION IN NORTH AMERICA. OUR FERRULES ARE ALSO MADE FOR TWIN WIRE, ON REELS, IN STRIPS, FOR EXTRA LONG APPLICATIONS AND FOR WIRES WITH THICK INSULATION. WE COVER SIZES FROM 26 AWG TO 500MCM.

AEI IS THE ONLY COMPANY IN THE USA THAT STOCKS THREE SEPARATE COLOR CODES FOR INSULATED WIRE FERRULES – DIN, T AND W. THERE IS NO DIFFERENCE OTHER THAN COLOR FOR A GIVEN FERRULE OF THE SAME AWG SIZE. THE DIN (DEUTCHE INDUSTRIE NORMEN – GERMAN) CODE IS THE MOST WIDELY USED AND ACCEPTED.

THE T CODE WAS A FRENCH CODE DESIGNED BY TELEMECANIQUE AND THE W CODE ANOTHER EUROPEAN CODE DEVELOPED BY WEIDMULLER. BOTH TELEMECANIQUE AND WEIDMULLER DO NOT MANUFACTURE WIRE FERRULES.

- INSULATED FERRULES
- INSULATED FERRULES FOR WIRES WITH THICK INSULATION
- FERRULES ON STRIPS
- FERRULES ON REELS
- TWIN WIRE FERRULES
- UNINSULATED FERRULES
- ASSORTMENT BOXES
- CROSS REFERENCE



## TECHNICAL INFORMATION

APART FROM GIVING A HIGH QUALITY APPEARANCE, FERRULES ALSO ENSURE THE RELIABILITY OF THE CONNECTION AND INSTALLATION.

### ADVANTAGES OF WIRE FERRULES:

- EASY INSERTION OF WIRE INTO TERMINAL
- PREVENTS FLARE OUT OF STRIPPED, STRANDED WIRE
- IMPROVES CONNECTION RELIABILITY

### WIRE FERRULES WITH PLASTIC INSULATING COLLARS:

- SIMPLE IDENTIFICATION OF THE CIRCUIT AND VOLTAGE BASED ON THE COLOR OF THE INSULATED COLLAR
- ADDITIONAL INSULATION HELPS TO ISOLATE AND PROTECT AGAINST UNWANTED CONTACT WITH ELECTRICAL CIRCUITS
- INSULATED FERRULES ARE RATED AT 600VAC/DC

| TECHNICAL DATA                   |                       | WIRE FERRULE PULL OUT FORCES |           |                        |         |
|----------------------------------|-----------------------|------------------------------|-----------|------------------------|---------|
| MATERIAL (H TYPE)                | POLYPROPYLENE PP HOMO | MM <sup>2</sup>              | AWG       | PULL OUT FORCE LBS (N) | FERRULE |
| MI (MELT INDEX)                  | 12                    | 0.25                         | 24        | 3.372 (15)             | 0.25    |
| FLEXURAL                         | 1.550 MPA             | 0.5                          | 22        | 6.74 (30)              | 0.5     |
| MOLDULUS IZOD                    | 25                    | 0.75                         | 20        | 6.74 (30)              | 0.75    |
| THERMAL PROPERTIES               | 89°C                  | 1                            | 18        | 7.87 (35)              | 1       |
| H.D.T. – 4.6 KG/CM <sup>2</sup>  | 108°C                 | 1.5                          | 16        | 9 (40)                 | 1.5     |
| H.D.T. – 18.6 KG/CM <sup>2</sup> | -20°C                 | 2.5                          | 14        | 11.24 (50)             | 2.5     |
| CRYSTAL MELTING TEMP.            | 164 - 168°C           | 4                            | 12        | 13.49 (60)             | 4       |
|                                  |                       | 6                            | 10        | 17.98 (80)             | 6       |
|                                  |                       | 10                           | 8         | 20.23 (90)             | 10      |
|                                  |                       | 16                           | 6         | 22.48 (100)            | 16      |
|                                  |                       | 25                           | 4         | 30.35 (135)            | 25      |
|                                  |                       | 35                           | 2         | 42.71 (190)            | 35      |
|                                  |                       | 50                           | 1         | 53.06 (236)            | 50      |
|                                  |                       | 70                           | 1/0 & 2/0 | 64.07 (285)            | 70      |
|                                  |                       | 95                           | 3/0       | 78.91 (351)            | 95      |
|                                  |                       | 120                          | 4/0       | 96 (427)               | 120     |
|                                  |                       | 150                          | 300MCM    | 96 (427)               | 150     |
|                                  |                       | 185                          | 300MCM    | 113.08 (503)           | 185     |
|                                  |                       | 240                          | 300MCM    | 129.94 (578)           | 240     |



## WIRE FERRULES INSULATED

DIN 46228

PART 4

### TOLERANCES

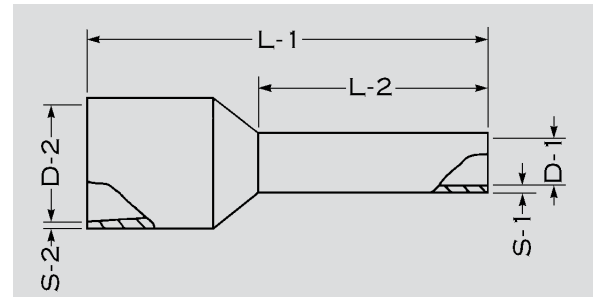
S1 ± .05MM

S2 ± .1MM

D1 ± .14MM

D2 ± .2MM

L1 ± 1.5MM



MATERIAL: COPPER / PLASTIC  
SURFACE: TIN PLATED



| SIZE<br>MM <sup>2</sup> | AWG   | DIN<br>PART<br>NO. | COLOR<br>CODE<br>DIN | T<br>PART<br>NO. | COLOR<br>CODE<br>T | W<br>PART<br>NO. | COLOR<br>CODE<br>W | PIECES<br>PER<br>BAG | DIMENSIONS (MM) |     |      |      |     |      | REC.<br>CRIMPING<br>TOOL   |
|-------------------------|-------|--------------------|----------------------|------------------|--------------------|------------------|--------------------|----------------------|-----------------|-----|------|------|-----|------|----------------------------|
|                         |       |                    |                      |                  |                    |                  |                    |                      | L-1             | L-2 | D-1  | S-1  | D-2 | S-2  |                            |
| 0.14*                   | 26-28 | 1161014            | GREY                 | 1163014          | BROWN              | 1162014          | GREY               | 500                  | 10.5            | 6   | 0.8  | 0.25 | 2.0 | 0.25 | TRAP24-10<br>OR<br>SQ28-10 |
| 0.14*                   |       | 1181014            |                      | 1183014          |                    | 1182014          |                    |                      | 12.5            | 8   | 0.8  | 0.25 | 2.0 | 0.25 |                            |
| 0.25*                   | 24-26 | 11610025           | YELLOW               | 11630025         | VIOLET             | 11620025         | BLUE               | 500                  | 10.5            | 6   | 0.8  | 0.25 | 2.0 | 0.25 |                            |
| 0.25*                   |       | 11810025           |                      | 11830025         |                    | 11820025         |                    |                      | 12.5            | 8   | 0.8  | 0.25 | 2.0 | 0.25 |                            |
| 0.34*                   | 24-26 | 1161034            | TURQUOISE            | 1163034          | PINK               | 1162034          | TURQUOISE          | 500                  | 10.5            | 6   | 0.8  | 0.25 | 2.0 | 0.25 |                            |
| 0.34*                   |       | 1181034            |                      | 1183034          |                    | 1182034          |                    |                      | 12.5            | 8   | 0.8  | 0.25 | 2.0 | 0.25 |                            |
| 0.50                    | 20-24 | 1161050            | WHITE                | 1163050          | WHITE              | 1162050          | ORANGE             | 500                  | 11.5            | 6   | 1.1  | 0.15 | 2.5 | 0.25 |                            |
| 0.50                    |       | 1181050            |                      | 1183050          |                    | 1182050          |                    |                      | 13.5            | 8   | 1.1  | 0.15 | 2.5 | 0.25 |                            |
| 0.50                    |       | 11101050           |                      | 11103050         |                    | 11102050         |                    |                      | 15.5            | 10  | 1.1  | 0.15 | 2.5 | 0.25 |                            |
| 0.75                    | 20-22 | 1161075            | GREY                 | 1163075          | BLUE               | 1162075          | WHITE              | 500                  | 12.0            | 6   | 1.3  | 0.15 | 2.8 | 0.25 |                            |
| 0.75                    |       | 1181075            |                      | 1183075          |                    | 1182075          |                    |                      | 14.0            | 8   | 1.3  | 0.15 | 2.8 | 0.25 |                            |
| 0.75                    |       | 11101075           |                      | 11103075         |                    | 11102075         |                    |                      | 16.0            | 10  | 1.3  | 0.15 | 2.8 | 0.25 |                            |
| 0.75                    |       | 11121075           |                      | 11123075         |                    | 11122075         |                    |                      | 18.0            | 12  | 1.3  | 0.15 | 2.8 | 0.25 |                            |
| 1.00                    | 18    | 1161010            | RED                  | 1163010          | RED                | 1162010          | YELLOW             | 500                  | 12.5            | 6   | 1.5  | 0.15 | 3.0 | 0.3  | TRAP8-1<br>OR<br>TRAP8-4   |
| 1.00                    |       | 1181010            |                      | 1183010          |                    | 1182010          |                    |                      | 14.5            | 8   | 1.5  | 0.15 | 3.0 | 0.3  |                            |
| 1.00                    |       | 11101010           |                      | 11103010         |                    | 11102010         |                    |                      | 16.5            | 10  | 1.5  | 0.15 | 3.0 | 0.3  |                            |
| 1.00                    |       | 11121010           |                      | 11123010         |                    | 11122010         |                    |                      | 18.5            | 12  | 1.5  | 0.15 | 3.0 | 0.3  |                            |
| 1.50*                   | 16    | 1161015            | BLACK                | 1163015          | BLACK              | 1162015          | RED                | 500                  | 12.5            | 6   | 1.8  | 0.15 | 3.4 | 0.3  |                            |
| 1.50                    |       | 1181015            |                      | 1183015          |                    | 1182015          |                    |                      | 14.5            | 8   | 1.8  | 0.15 | 3.4 | 0.3  |                            |
| 1.50                    |       | 11101015           |                      | 11103015         |                    | 11102015         |                    |                      | 16.5            | 10  | 1.8  | 0.15 | 3.4 | 0.3  |                            |
| 1.50                    |       | 11121015           |                      | 11123015         |                    | 11122015         |                    |                      | 18.5            | 12  | 1.8  | 0.15 | 3.4 | 0.3  |                            |
| 1.50                    |       | 11181015           |                      | 11183015         |                    | 11182015         |                    |                      | 24.5            | 18  | 1.8  | 0.15 | 3.4 | 0.3  |                            |
| 2.08*                   | 14    | 1181208            | YELLOW               | 1183208          | YELLOW             | 1182208          | YELLOW             | 500                  | 14.5            | 8   | 2.05 | 0.15 | 3.6 | 0.3  |                            |
| 2.50                    | 14    | 1181025            | BLUE                 | 1183025          | GREY               | 1182025          | BLUE               | 500                  | 15.0            | 8   | 2.3  | 0.15 | 4.2 | 0.3  |                            |
| 2.50                    |       | 11121025           |                      | 11123025         |                    | 11122025         |                    |                      | 19.0            | 12  | 2.3  | 0.15 | 4.2 | 0.3  |                            |
| 2.50                    |       | 11181025           |                      | 11183025         |                    | 11182025         |                    |                      | 25.0            | 18  | 2.3  | 0.15 | 4.2 | 0.3  |                            |
| 4.00                    | 12    | 11101040           | GREY                 | 11103040         | ORANGE             | 11102040         | GREY               | 500                  | 17.5            | 10  | 2.9  | 0.2  | 4.8 | 0.3  | TRAP8-1<br>OR<br>TRAP8-4   |
| 4.00                    |       | 11121040           |                      | 11123040         |                    | 11122040         |                    |                      | 20.0            | 12  | 2.9  | 0.2  | 4.8 | 0.3  |                            |
| 4.00                    |       | 11181040           |                      | 11183040         |                    | 11182040         |                    | 100                  | 26.0            | 18  | 2.9  | 0.2  | 4.8 | 0.3  |                            |
| 6.00                    | 10    | 11121060           | YELLOW               | 11123060         | GREEN              | 11122060         | BLACK              | 100                  | 20.0            | 12  | 3.6  | 0.2  | 6.2 | 0.3  |                            |
| 6.00                    |       | 11181060           |                      | 11183060         |                    | 11182060         |                    |                      | 25.0            | 18  | 3.6  | 0.2  | 6.2 | 0.3  |                            |
| 10.00                   | 8     | 11121100           | RED                  | 11123100         | BROWN              | 11122100         | IVORY              | 100                  | 21.0            | 12  | 4.6  | 0.2  | 7.5 | 0.3  |                            |
| 10.00                   |       | 11181100           |                      | 11183100         |                    | 11182100         |                    |                      | 27.0            | 18  | 4.6  | 0.2  | 7.5 | 0.3  |                            |
| 16.00                   | 6     | 11121160           | BLUE                 | 11123160         | WHITE              | 11122160         | GREEN              | 100                  | 23.0            | 12  | 6.0  | 0.2  | 8.8 | 0.4  |                            |
| 16.00                   |       | 11181160           |                      | 11183160         |                    | 11182160         |                    |                      | 29.0            | 18  | 6.0  | 0.2  | 8.8 | 0.4  |                            |

\* DOES NOT CONFORM TO DIN 46228 PART 4



| SIZE<br>MM <sup>2</sup> | AWG        | DIN<br>PART<br>NO. | COLOR<br>CODE<br>DIN | T<br>PART<br>NO. | COLOR<br>CODE<br>T | W<br>PART<br>NO. | COLOR<br>CODE<br>W | PIECES<br>PER<br>BAG | DIMENSIONS (MM) |     |      |      |      |     | REC.<br>CRIMPING<br>TOOL |
|-------------------------|------------|--------------------|----------------------|------------------|--------------------|------------------|--------------------|----------------------|-----------------|-----|------|------|------|-----|--------------------------|
|                         |            |                    |                      |                  |                    |                  |                    |                      | L-1             | L-2 | D-1  | S-1  | D-2  | S-2 |                          |
| 25.00                   | 4          | 11161250           | YELLOW               | 11163250         | BLACK              | 11162250         | BROWN              | 50                   | 29.0            | 16  | 7.5  | 0.2  | 11.0 | 0.5 | TRAP8-1<br>OR<br>TRAP8-4 |
| 25.00                   |            | 11181250           |                      | 11183250         |                    | 11182250         |                    |                      | 31.0            | 18  | 7.5  | 0.2  | 11.0 | 0.5 |                          |
| 25.00                   |            | 11221250           |                      | 11223250         |                    | 11222250         |                    |                      | 35.0            | 22  | 7.5  | 0.2  | 11.0 | 0.5 |                          |
| 35.00                   | 2          | 11161350           | RED                  | 11163350         | RED                | 11162350         | BEIGE              | 50                   | 30.0            | 16  | 8.5  | 0.2  | 12.5 | 0.5 | TRAP8-1                  |
| 35.00                   |            | 11181350           |                      | 11183350         |                    | 11182350         |                    |                      | 32.0            | 18  | 8.5  | 0.2  | 12.5 | 0.5 |                          |
| 35.00                   |            | 11251350           |                      | 11253350         |                    | 11252350         |                    |                      | 39.0            | 25  | 8.5  | 0.2  | 12.5 | 0.5 |                          |
| 50.00                   | 1          | 11201500           | BLUE                 | 11203500         | BLUE               | 11202500         | OLIVE              | 50                   | 36.0            | 20  | 10.5 | 0.35 | 15.0 | 0.6 |                          |
| 50.00                   |            | 11251500           |                      | 11253500         |                    | 11252500         |                    | 25                   | 41.0            | 25  | 10.5 | 0.35 | 15.0 | 0.6 |                          |
| 70.00*                  | 1/0        | 11201700           | YELLOW               | 11203700         | YELLOW             | 11202700         | YELLOW             | 25                   | 37.0            | 20  | 12.7 | 0.35 | 16.0 | 0.6 |                          |
| 70.00*                  | 2/0        | 11271700           |                      | 11273700         |                    | 11272700         |                    |                      | 43.0            | 27  | 12.7 | 0.40 | 16.0 | 0.6 | VICE70150                |
| 95.00*                  | 3/0        | 11251950           | RED                  | 11253950         | RED                | 11252950         | RED                | 25                   | 44.0            | 25  | 14.7 | 0.35 | 18.0 | 0.6 |                          |
| 120.00*                 | 4/0        | 112711200          | BLUE                 | 112731200        | BLUE               | 112721200        | BLUE               | 25                   | 48.0            | 27  | 16.7 | 0.45 | 21.0 | 0.7 |                          |
| 150.00*                 | 300<br>MCM | 113211500          | YELLOW               | 113231500        | YELLOW             | 113221500        | YELLOW             | 25                   | 58.0            | 32  | 18.7 | 0.5  | 23.0 | 1.0 |                          |

## WIRE FERRULES INSULATED FOR THICK INSULATION

| SIZE<br>MM <sup>2</sup> | AWG | DIN<br>PART<br>NO. | COLOR<br>CODE<br>DIN | T<br>PART<br>NO. | COLOR<br>CODE<br>T | W<br>PART<br>NO. | COLOR<br>CODE<br>W | PIECES<br>PER<br>BAG | DIMENSIONS (MM) |     |     |      |     |      |
|-------------------------|-----|--------------------|----------------------|------------------|--------------------|------------------|--------------------|----------------------|-----------------|-----|-----|------|-----|------|
|                         |     |                    |                      |                  |                    |                  |                    |                      | L-1             | L-2 | D-1 | S-1  | D-2 | S-2  |
| 0.50                    | 22  | 1050G              | WHITE                | 3050G            | WHITE              | 2050G            | ORANGE             | 500                  | 14.5            | 8   | 1.1 | 0.15 | 3.0 | 0.25 |
| 0.75                    | 20  | 1075G              | GREY                 | 3075G            | BLUE               | 2075G            | WHITE              | 500                  | 14.0            | 8   | 1.3 | 0.15 | 3.4 | 0.3  |
| 1.00                    | 18  | 1100G              | RED                  | 3100G            | RED                | 2100G            | YELLOW             | 500                  | 14.0            | 8   | 1.5 | 0.15 | 3.4 | 0.3  |
| 1.50                    | 16  | 1150G              | BLACK                | 3150G            | BLACK              | 2150G            | RED                | 500                  | 14.0            | 8   | 1.8 | 0.15 | 3.8 | 0.3  |
| 16.00                   | 6   | 1160G              | WHITE                | 3160G            | WHITE              | 2160G            | GREEN              | 100                  | 23.0            | 12  | 6.0 | 0.2  | 9.5 | 0.4  |

\* DOES NOT CONFORM TO DIN 46228 PART 4

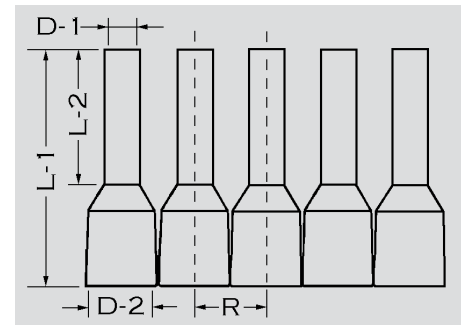




## WIRE FERRULES ON STRIPS



| SIZE<br>MM <sup>2</sup> | AWG | BARREL<br>LENGTH<br>(MM) | DIN<br>PART<br>NO. | COLOR<br>CODE<br>DIN | T<br>PART<br>NO. | COLOR<br>CODE<br>T | C<br>PART<br>NO. | COLOR<br>CODE<br>W | PIECES  |
|-------------------------|-----|--------------------------|--------------------|----------------------|------------------|--------------------|------------------|--------------------|---------|
| 0.50                    | 22  | 8                        | 101050             | WHITE                | 103050           | WHITE              | 102050           | ORANGE             | 10 x 50 |
| 0.75                    | 20  | 8                        | 101075             | GREY                 | 103075           | BLUE               | 102075           | WHITE              | 10 x 50 |
| 1.00                    | 18  | 8                        | 101100             | RED                  | 103100           | RED                | 102100           | YELLOW             | 10 x 50 |
| 1.50                    | 16  | 8                        | 101150             | BLACK                | 103150           | BLACK              | 102150           | RED                | 10 x 50 |
| 2.50                    | 14  | 8                        | 101250             | BLUE                 | 103250           | GREY               | 102250           | BLUE               | 10 x 50 |



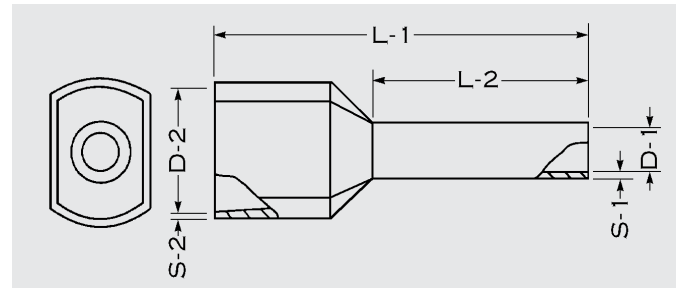
MATERIAL: COPPER / PLASTIC  
SURFACE: TIN PLATED

## WIRE FERRULES ON REELS

ALSO USED WITH MC 25

| SIZE<br>MM <sup>2</sup> | LENGTH<br>MM | PART<br>NO. | COLOR<br>CODE<br>DIN | PART<br>NO. | COLOR<br>CODE<br>T | PART<br>NO. | COLOR<br>CODE<br>W | PIECES<br>PER<br>BOX |
|-------------------------|--------------|-------------|----------------------|-------------|--------------------|-------------|--------------------|----------------------|
| 0.50                    | 8            | MC1050      | WHITE                | MC3050      | WHITE              | MC2050      | ORANGE             | 1000                 |
| 0.75                    | 8            | MC1075      | GREY                 | MC3075      | BLUE               | MC2075      | WHITE              | 1000                 |
| 1.00                    | 8            | MC1100      | RED                  | MC3100      | RED                | MC2100      | YELLOW             | 1000                 |
| 1.50                    | 8            | MC1150      | BLACK                | MC3150      | BLACK              | MC2150      | RED                | 1000                 |
| 2.50                    | 8            | MC1250      | BLUE                 | MC3250      | GREY               | MC2250      | BLUE               | 500                  |

## TWIN-WIRE FERRULES FOR TWO WIRES



MATERIAL: COPPER / PLASTIC  
SURFACE: TIN PLATED



| SIZE<br>MM <sup>2</sup> | AWG | DIN<br>PART<br>No. | COLOR<br>CODE<br>DIN | W<br>PART<br>No. | COLOR<br>CODE<br>W | PCS.<br>PER<br>BAG | DIMENSIONS (MM) |      |      |      |            |      | REC.<br>CRIMPING<br>TOOL   |
|-------------------------|-----|--------------------|----------------------|------------------|--------------------|--------------------|-----------------|------|------|------|------------|------|----------------------------|
|                         |     |                    |                      |                  |                    |                    | L-1             | L-2  | D-1  | S-1  | D-2        | S-2  |                            |
| 2 X 0.50                | 20  | 1381050            | WHITE                | 1382050          | ORANGE             | 500                | 15.0            | 8.0  | 1.5  | 0.15 | 2.3 / 4.5  | 0.25 | SQ28-10<br>OR<br>TRAP24-10 |
| 2 X 0.75                | 20  | 1381075            | GREY                 | 1382075          | WHITE              | 500                | 15.0            | 8.0  | 1.8  | 0.15 | 2.6 / 5.1  | 0.25 |                            |
| 2 X 0.75                | 20  | 13101075           |                      | 13102075         |                    | 500                | 17.0            | 10.0 | 1.8  | 0.15 | 2.6 / 5.1  | 0.25 |                            |
| 2 X 1.00                | 18  | 1381010            | RED                  | 1382010          | YELLOW             | 500                | 15.0            | 8.0  | 2.05 | 0.15 | 3.2 / 5.1  | 0.30 |                            |
| 2 X 1.00                | 18  | 13101010           |                      | 13102010         |                    | 500                | 17.0            | 10.0 | 2.05 | 0.15 | 3.2 / 5.1  | 0.30 |                            |
| 2 X 1.50                | 16  | 1381015            | BLACK                | 1382015          | RED                | 500                | 16.0            | 8.0  | 2.3  | 0.15 | 3.5 / 6.4  | 0.30 |                            |
| 2 X 1.50                | 16  | 13121015           |                      | 13122015         |                    | 500                | 20.0            | 12.0 | 2.3  | 0.15 | 3.5 / 6.4  | 0.30 |                            |
| 2 X 2.50                | 14  | 13101025           | BLUE                 | 13102025         | BLUE               | 500                | 18.5            | 10.0 | 2.9  | 0.20 | 4.0 / 7.5  | 0.30 |                            |
| 2 X 2.50                | 14  | 13131025           |                      | 13132025         |                    | 100                | 21.5            | 13.0 | 2.9  | 0.20 | 4.0 / 7.5  | 0.30 | TRAP8-1<br>OR<br>TRAP8-4   |
| 2 X 4.00                | 12  | 13121040           | GREY                 | 13122040         | GREY               | 100                | 23.0            | 12.0 | 3.8  | 0.20 | 4.9 / 8.6  | 0.30 |                            |
| 2 X 6.00                | 10  | 13141060           | YELLOW               | 13142060         | BLACK              | 100                | 25.0            | 14.0 | 4.9  | 0.20 | 5.8 / 9.6  | 0.40 |                            |
| 2 X 10.0                | 8   | 13141100           | RED                  | 13142100         | IVORY              | 100                | 26.0            | 14.0 | 6.5  | 0.20 | 7.1 / 12.9 | 0.40 |                            |
| 2 X 16.0                | 6   | 13161160           | BLUE                 | 13162160         | GREEN              | 50                 | 31.0            | 16.0 | 8.5  | 0.20 | 9.8 / 16.8 | 0.60 |                            |

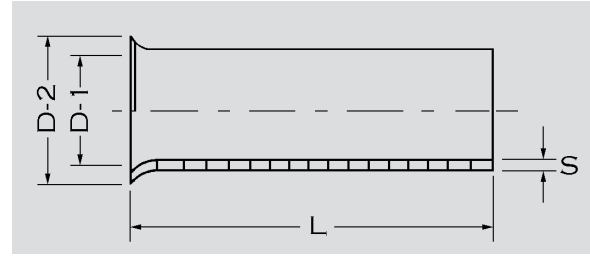






# WIRE FERRULES NON-INSULATED

DIN 46228 PART 1



MATERIAL: COPPER  
SURFACE: TIN PLATED



| SIZE<br>MM <sup>2</sup> | AWG | PART<br>NO. | PCS.<br>PER<br>BAG | DIMENSIONS (MM) |     |     |      | REC.<br>CRIMPING<br>TOOL   |
|-------------------------|-----|-------------|--------------------|-----------------|-----|-----|------|----------------------------|
|                         |     |             |                    | L               | D-1 | D-2 | S    |                            |
| 0.25                    | 24- | 12510025*   | 1000               | 5               | 0.8 | 1.7 | 0.15 | SQ28-10<br>OR<br>TRAP24-10 |
|                         | 26  | 12710025*   |                    | 7               |     |     |      |                            |
| 0.34                    | 24- | 12510034*   | 1000               | 5               | 0.9 | 1.8 | 0.15 |                            |
|                         | 26  | 12710034*   |                    | 7               |     |     |      |                            |
| 0.50                    | 20- | 12610050    | 1000               | 6               | 1.0 | 2.1 | 0.15 |                            |
|                         | 24  | 12810050*   |                    | 8               |     |     |      |                            |
|                         |     | 121010050   |                    | 10              |     |     |      |                            |
| 0.75                    | 20- | 12610075    | 1000               | 6               | 1.2 | 2.3 | 0.15 |                            |
|                         | 24  | 12810075*   |                    | 8               |     |     |      |                            |
|                         |     | 121010075   |                    | 10              |     |     |      |                            |
|                         |     | 121210075   |                    | 12              |     |     |      |                            |
| 1.00                    | 18  | 12610100    | 1000               | 6               | 1.4 | 2.5 | 0.15 |                            |
|                         |     | 12810100*   |                    | 8               |     |     |      |                            |
|                         |     | 121010100   |                    | 10              |     |     |      |                            |
|                         |     | 121210100*  |                    | 12              |     |     |      |                            |
| 1.50                    | 16  | 12710150    | 1000               | 7               | 1.7 | 2.8 | 0.15 |                            |
|                         |     | 12810150    |                    | 8               |     |     |      |                            |
|                         |     | 121010150   |                    | 10              |     |     |      |                            |
|                         |     | 121210150   |                    | 12              |     |     |      |                            |
|                         |     | 121510150*  |                    | 15              |     |     |      |                            |
|                         |     | 121810150   |                    | 18              |     |     |      |                            |
| 2.50                    | 14  | 12710250    | 1000               | 7               | 2.2 | 3.4 | 0.15 |                            |
|                         |     | 121010250   |                    | 10              |     |     |      |                            |
|                         |     | 121210250   |                    | 12              |     |     |      |                            |
|                         |     | 121510250*  |                    | 15              |     |     |      |                            |
|                         |     | 121810250   |                    | 18              |     |     |      |                            |
|                         |     | 122010250*  |                    | 20              |     |     |      |                            |
| 4.00                    | 12  | 12910400    | 1000               | 9               | 2.8 | 4.0 | 0.2  |                            |
|                         |     | 121010400   |                    | 10              |     |     |      |                            |
|                         |     | 121210400   |                    | 12              |     |     |      |                            |
|                         |     | 121510400   |                    | 15              |     |     |      |                            |
|                         |     | 121810400   |                    | 18              |     |     |      |                            |
|                         |     | 122010400*  |                    | 20              |     |     |      |                            |

| SIZE<br>MM <sup>2</sup> | AWG | PART<br>NO. | PCS.<br>PER<br>BAG | DIMENSIONS (MM) |      |     |     | REC.<br>CRIMPING<br>TOOL   |
|-------------------------|-----|-------------|--------------------|-----------------|------|-----|-----|----------------------------|
|                         |     |             |                    | L               | D-1  | D-2 | S   |                            |
| 6.00                    | 10  | 121010600   | 1000               | 10              | 3.5  | 4.7 | 0.2 | SQ28-10<br>OR<br>TRAP24-10 |
|                         |     | 121210600   |                    | 12              |      |     |     |                            |
|                         |     | 121510600   |                    | 15              |      |     |     |                            |
|                         |     | 121810600   |                    | 18              |      |     |     |                            |
| 10.00                   | 8   | 1212110     | 500                | 12              | 4.5  | 5.8 | 0.2 | TRAP8-1<br>OR<br>TRAP8-4   |
|                         |     | 1215110     |                    | 15              |      |     |     |                            |
|                         |     | 1218110     |                    | 18              |      |     |     |                            |
|                         |     | 1220110*    |                    | 20              |      |     |     |                            |
|                         |     | 1225110*    |                    | 25              |      |     |     |                            |
| 16.00                   | 6   | 1212116     | 250                | 12              | 5.8  | 7.5 | 0.2 |                            |
|                         |     | 1215116     |                    | 15              |      |     |     |                            |
|                         |     | 1218116     |                    | 18              |      |     |     |                            |
|                         |     | 1220116*    |                    | 20              |      |     |     |                            |
|                         |     | 1225116     |                    | 25              |      |     |     |                            |
| 25.00                   | 4   | 1212125*    | 100                | 12              | 7.3  | 9.5 | 0.2 |                            |
|                         |     | 1215125     |                    | 15              |      |     |     |                            |
|                         |     | 1218125     |                    | 18              |      |     |     |                            |
|                         |     | 1225125     |                    | 25              |      |     |     |                            |
|                         |     | 1232125     |                    | 32              |      |     |     |                            |
| 35.00                   | 2   | 1218135     | 100                | 18              | 8.3  | 11  | 0.2 | TRAP8-1                    |
|                         |     | 1220135*    |                    | 20              |      |     |     |                            |
|                         |     | 1225135     |                    | 25              |      |     |     |                            |
|                         |     | 1232135     |                    | 32              |      |     |     |                            |
| 50.00                   | 1   | 1218150     | 100                | 18              | 10.3 | 13  | 0.3 |                            |
|                         |     | 1222150*    |                    | 22              |      |     |     |                            |
|                         |     | 1225150     |                    | 25              |      |     |     |                            |
|                         |     | 1232150     |                    | 32              |      |     |     |                            |
| 70.00                   | 2/0 | 1225170     | 100                | 25              | 12.5 | 15  | 0.4 | VICE70150                  |
|                         |     | 1232170*    |                    | 32              |      |     |     |                            |

\* DOES NOT CONFORM TO DIN 46228 PART 1



| SIZE<br>MM <sup>2</sup> | AWG | PART<br>NO. | PCS.<br>PER<br>BAG | DIMENSIONS (MM) |      |      |     | REC.<br>CRIMPING<br>TOOL |  |  |
|-------------------------|-----|-------------|--------------------|-----------------|------|------|-----|--------------------------|--|--|
|                         |     |             |                    | L               | D-1  | D-2  | S   |                          |  |  |
| 95.0                    | 3/0 | 1225195*    | 100                | 25              | 14.5 | 17   | 0.4 | VICE70150                |  |  |
|                         |     | 1230195*    |                    | 30              |      |      |     |                          |  |  |
|                         |     | 1232195*    |                    | 32              |      |      |     |                          |  |  |
| 120.0                   | 4/0 | 12321120*   | 100                | 32              | 16.5 | 19   | 0.5 |                          |  |  |
|                         |     | 12401120*   |                    | 40              |      |      |     |                          |  |  |
| 150.0                   | 300 | 123211500*  | 100                | 32              | 18.5 | 21   | 0.5 |                          |  |  |
|                         | MCM | 123811500*  |                    | 38              |      |      |     |                          |  |  |
| 185.0                   | 350 | 123211850*  | 100                | 32              | 20   | 23.5 | 0.6 | VICE185<br>150,185,240MM |  |  |
|                         | MCM | 124011850*  |                    | 40              |      |      |     |                          |  |  |
| 240.0                   | 500 | 124012400*  | 100                | 40              | 22.8 | 25.8 | 0.6 |                          |  |  |
|                         | MCM |             |                    |                 |      |      |     |                          |  |  |





## ASSORTMENT BOXES

| INSULATED FERRULES | SIZE MM <sup>2</sup> | AWG | BARREL LENGTH | QUANTITY | PART NUMBER   | DIN    | PART DIN      | T      | PART T        | W      |
|--------------------|----------------------|-----|---------------|----------|---------------|--------|---------------|--------|---------------|--------|
| ASSORTMENT         | 0.25                 | 26  | 6             | 30       | <b>161025</b> | YELLOW | <b>163025</b> | VIOLET | <b>162025</b> | BLUE   |
| Box 1              | 0.34                 | 24  | 6             | 30       |               | TURQ   |               | PINK   |               | TURQ   |
|                    | 0.50                 | 22  | 8             | 30       |               | WHITE  |               | WHITE  |               | ORANGE |
|                    | 0.75                 | 20  | 8             | 30       |               | GREY   |               | BLUE   |               | WHITE  |
|                    | 1.00                 | 18  | 8             | 30       |               | RED    |               | RED    |               | YELLOW |
| ASSORTMENT         | 0.50                 | 22  | 8             | 50       | <b>161050</b> | WHITE  | <b>163050</b> | WHITE  | <b>162050</b> | ORANGE |
| Box 2              | 0.75                 | 20  | 8             | 100      |               | GREY   |               | BLUE   |               | WHITE  |
|                    | 1.00                 | 18  | 8             | 100      |               | RED    |               | RED    |               | YELLOW |
|                    | 1.50                 | 16  | 8             | 100      |               | BLACK  |               | BLACK  |               | RED    |
|                    | 2.50                 | 14  | 8             | 50       |               | BLUE   |               | GREY   |               | BLUE   |
| ASSORTMENT         | 4.00                 | 12  | 10            | 50       | <b>16140</b>  | GREY   | <b>16340</b>  | ORANGE | <b>16240</b>  | GREY   |
| Box 3              | 6.00                 | 10  | 12            | 20       |               | YELLOW |               | GREEN  |               | BLACK  |
|                    | 10.00                | 8   | 12            | 20       |               | RED    |               | BROWN  |               | IVORY  |
|                    | 16.00                | 6   | 12            | 10       |               | BLUE   |               | WHITE  |               | GREEN  |
| ASSORTMENT         | 0.50                 | 22  | 8             | 50       | <b>16050T</b> | WHITE  |               |        |               |        |
| Box 4              | 0.75                 | 20  | 8             | 50       |               | GREY   |               |        |               |        |
| TWIN               | 1.00                 | 18  | 8             | 50       |               | RED    |               |        |               |        |
|                    | 1.50                 | 16  | 8             | 50       |               | BLACK  |               |        |               |        |
| ASSORTMENT         | 0.75                 | 20  | 8             | 50       | <b>16075T</b> | WHITE  |               |        |               |        |
| Box 5              | 1.00                 | 18  | 8             | 50       |               | GREY   |               |        |               |        |
| TWIN               | 1.50                 | 16  | 8             | 50       |               | RED    |               |        |               |        |
|                    | 2.50                 | 14  | 10            | 50       |               | BLACK  |               |        |               |        |
| ASSORTMENT         | 1.50                 | 16  | 8             | 30       | <b>16150T</b> | BLACK  |               |        |               |        |
| Box 6              | 2.50                 | 14  | 10            | 30       |               | BLUE   |               |        |               |        |
| TWIN               | 4.00                 | 12  | 12            | 20       |               | GREY   |               |        |               |        |
|                    | 6.00                 | 10  | 14            | 10       |               | YELLOW |               |        |               |        |
| ASSORTMENT         | 0.50                 | 22  | 6             | 500      | <b>16050U</b> |        |               |        |               |        |
| Box 7              | 0.75                 | 20  | 6             | 400      |               |        |               |        |               |        |
| NONINSULATED       | 1.00                 | 18  | 6             | 400      |               |        |               |        |               |        |
|                    | 1.50                 | 16  | 7             | 300      |               |        |               |        |               |        |
|                    | 2.50                 | 14  | 7             | 200      |               |        |               |        |               |        |
| ASSORTMENT         | 1.50                 | 16  | 9             | 150      | <b>16040U</b> |        |               |        |               |        |
| Box 8              | 2.50                 | 14  | 10            | 100      |               |        |               |        |               |        |
| NONINSULATED       | 4.00                 | 12  | 12            | 80       |               |        |               |        |               |        |
|                    | 6.00                 | 10  | 12            | 40       |               |        |               |        |               |        |
| ASSORTMENT         |                      |     |               |          | <b>165</b>    |        |               |        |               |        |
| Box EMPTY          |                      |     |               |          |               |        |               |        |               |        |
| 5 DIVISIONS        |                      |     |               |          |               |        |               |        |               |        |
| ASSORTMENT         |                      |     |               |          | <b>164</b>    |        |               |        |               |        |
| Box EMPTY          |                      |     |               |          |               |        |               |        |               |        |
| 4 DIVISIONS        |                      |     |               |          |               |        |               |        |               |        |
| ASSORTMENT         |                      |     |               |          | <b>160</b>    |        |               |        |               |        |
| Box EMPTY          |                      |     |               |          |               |        |               |        |               |        |
| W/O DIVISIONS      |                      |     |               |          |               |        |               |        |               |        |

## CRIMP KIT



### FEATURES

CONVENIENT AND PORTABLE METAL CARRYING CASE  
INSULATED FERRULES  
FERRULE ASSORTMENT FROM 24 - 10 AWG  
STRIPPING AND CRIMPING TOOL INCLUDED  
GREAT FOR TECHNICIANS AND PROTOTYPING

## SLIDE BOXES



### FEATURES

HANDY, CONVENIENT  
NO MIXING OF CONTENTS  
FIVE COMPARTMENTS

### INSULATED FERRULE ASSORTMENTS

|                            |     |                  |          |                | DIN               |                | W               |
|----------------------------|-----|------------------|----------|----------------|-------------------|----------------|-----------------|
| SIZE<br>MM <sup>2</sup>    | AWG | BARREL<br>LENGTH | QUANTITY | PART<br>NUMBER | COLOR CODE<br>DIN | PART<br>NUMBER | COLOR CODE<br>W |
| SINGLE FERRULE ASSORTMENTS |     |                  |          |                |                   |                |                 |
| 0.50                       | 22  | 8                | 50       | 1617050        | WHITE             | 1627050        | ORANGE          |
| 0.75                       | 20  | 8                | 100      |                | GREY              |                | WHITE           |
| 1.00                       | 18  | 8                | 100      |                | RED               |                | YELLOW          |
| 1.50                       | 16  | 8                | 100      |                | BLACK             |                | RED             |
| 2.50                       | 14  | 8                | 50       |                | BLUE              |                | BLUE            |
| 4.00                       | 12  | 10               | 50       | 1617400        | GREY              | 1627400        | GREY            |
| 6.00                       | 10  | 12               | 20       |                | YELLOW            |                | BLACK           |
| 10.00                      | 8   | 12               | 20       |                | RED               |                | BEIGE           |
| 16.00                      | 6   | 12               | 10       |                | BLUE              |                | GREEN           |
| TWIN FERRULE ASSORTMENTS   |     |                  |          |                |                   |                |                 |
| 2 x 0.50                   | 22  | 8                | 50       | 1617050T       | WHITE             | 1627050T       | ORANGE          |
| 2 x 0.75                   | 20  | 8                | 50       |                | GREY              |                | WHITE           |
| 2 x 1.00                   | 18  | 8                | 50       |                | RED               |                | YELLOW          |
| 2 x 1.50                   | 16  | 8                | 50       |                | BLACK             |                | RED             |
| 2 x 2.50                   | 14  | 10               | 25       |                | BLUE              |                | BLUE            |



## WIRE FERRULE CROSS REFERENCE

### ALTECH

| PART # | PCS./BAG | MM   | AWG     | PART #    | COLOR  | PCS./BAG |
|--------|----------|------|---------|-----------|--------|----------|
| 22010  | 500/100  | 0.5  | 20      | 1182050   | ORANGE | 500      |
| 22020  | 500/100  | 0.75 | 20      | 1182075   | WHITE  | 500      |
| 22030  | 500/100  | 1    | 18      | 1182010   | YELLOW | 500      |
| 22040  | 500/100  | 1.5  | 16      | 1182015   | RED    | 500      |
| 22100  | 100      | 6    | 10      | 11122060  | BLACK  | 100      |
| 22110  | 100      | 6    | 10      | 11182060  | BLACK  | 100      |
| 22120  | 100      | 10   | 8       | 11122100  | IVORY  | 100      |
| 22130  | 100      | 10   | 8       | 11182100  | IVORY  | 100      |
| 22140  | 100      | 16   | 6       | 11122160  | GREEN  | 100      |
| 22150  | 100      | 16   | 6       | 11182160  | GREEN  | 100      |
| 22670  | 50       | 25   | 4       | 11182250  | BROWN  | 50       |
| 22760  | 50       | 35   | 2       | 11182350  | BEIGE  | 50       |
| 23430  | 500/100  | 1.5  | 16      | 11183015  | BLACK  | 500      |
| 23900  | 50       | 35   | 2       | 11252350  | BEIGE  | 50       |
| 23970  | 500/100  | 0.5  | 20      | 1162050   | ORANGE | 500      |
| 23980  | 500/100  | 0.75 | 20      | 1162075   | WHITE  | 500      |
| 23990  | 500/100  | 1    | 18      | 1162010   | YELLOW | 500      |
| 24000  | 500/100  | 1.5  | 16      | 11102015  | RED    | 500      |
| 24010  | 500/100  | 2.5  | 14      | 11122025  | BLUE   | 500      |
| 24020  | 500/100  | 4    | 12      | 11122040  | GREY   | 500      |
| 25000  | 50       | 50   | 1       | 11202500  | OLIVE  | 50       |
| 26200  | 500/100  | 0.25 | 24      | 11610025  | YELLOW | 500      |
| 26210  | 500/100  | 0.25 | 24      | 11820025  | BLUE   | 500      |
| 26220  | 500/100  | 0.34 | 24      | 1161034   | TURQ   | 500      |
| 26230  | 500/100  | 0.34 | 24      | 1181034   | TURQ   | 500      |
| 27860  | 25       | 70   | 1/0     | 11201700  | YELLOW | 25       |
| 27860  | 25       | 70   | 1/0     | 11202700  | YELLOW | 25       |
| 27870  | 25       | 95   | 3/0     | 11251950  | RED    | 25       |
| 27880  | 25       | 120  | 4/0     | 112711200 | BLUE   | 25       |
| 27890  | 25       | 150  | 300 MCM | 113211500 | YELLOW | 25       |
| 28360  | 500/100  | 0.5  | 20      | 1161050   | WHITE  | 500      |
| 28400  | 500/100  | 1    | 18      | 11123010  | RED    | 500      |
| 28410  | 500/100  | 1.5  | 16      | 1181015   | BLACK  | 500      |
| 28420  | 500/100  | 1.5  | 16      | 11103015  | BLACK  | 500      |
| 28430  | 500/100  | 1.5  | 16      | 11121015  | BLACK  | 500      |
| 28440  | 500/100  | 1.5  | 16      | 11181015  | BLACK  | 500      |
| 28450  | 500/100  | 2.5  | 14      | 1181025   | BLUE   | 500      |
| 28450  | 500/100  | 2.5  | 14      | 1182025   | BLUE   | 500      |
| 28460  | 500/100  | 2.5  | 14      | 11121025  | BLUE   | 500      |
| 28470  | 500/100  | 2.5  | 14      | 11181025  | BLUE   | 500      |
| 28480  | 500/100  | 4    | 12      | 11101040  | GREY   | 500      |
| 28490  | 500/100  | 4    | 12      | 11121040  | GREY   | 500      |
| 28500  | 100      | 4    | 12      | 11181040  | GREY   | 100      |
| 28510  | 100      | 6    | 10      | 11121060  | YELLOW | 100      |
| 28520  | 100      | 6    | 10      | 11181060  | YELLOW | 100      |
| 28530  | 100      | 10   | 8       | 11121100  | RED    | 100      |
| 28540  | 100      | 10   | 8       | 11181100  | RED    | 100      |
| 28550  | 100      | 16   | 6       | 11121160  | BLUE   | 100      |
| 28560  | 100      | 16   | 6       | 11181160  | BLUE   | 100      |
| 28570  | 50       | 25   | 4       | 11181250  | YELLOW | 50       |
| 28580  | 50       | 25   | 4       | 11221250  | YELLOW | 50       |
| 28590  | 50       | 35   | 2       | 11183350  | RED    | 50       |
| 28600  | 50       | 25   | 4       | 11253350  | RED    | 50       |
| 28610  | 50       | 50   | 1       | 11201500  | BLUE   | 50       |
| 28640  | 500/100  | 0.5  | 20      | 1181050   | WHITE  | 500      |
| 28650  | 500/100  | 0.5  | 20      | 11101050  | WHITE  | 500      |
| 28660  | 500/100  | 0.75 | 20      | 1161075   | GREY   | 500      |
| 28670  | 500/100  | 0.75 | 20      | 1181075   | GREY   | 500      |
| 28680  | 500/100  | 0.75 | 20      | 11101075  | GREY   | 500      |
| 28690  | 500/100  | 0.75 | 20      | 11121075  | GREY   | 500      |
| 28700  | 500/100  | 1    | 18      | 1161010   | RED    | 500      |
| 28710  | 500/100  | 1    | 18      | 1181010   | RED    | 500      |
| 28720  | 500/100  | 1    | 18      | 11101010  | RED    | 500      |

### ALTECH

| PART # | PCS./BAG | MM       | AWG     | PART #    | COLOR  | PCS./BAG |
|--------|----------|----------|---------|-----------|--------|----------|
| 27750  | 500/100  | 2 x 0.75 | 20      | 1381075   | GREY   | 500      |
| 27760  | 500/100  | 2 x 1.00 | 18      | 1381010   | RED    | 500      |
| 27770  | 500/100  | 2 x 1.50 | 16      | 1381015   | BLACK  | 500      |
| 27780  | 250/100  | 2 x 2.50 | 14      | 13101025  | BLUE   | 500      |
| 27940  | 500/100  | 2 x 0.50 | 20      | 1381050   | WHITE  | 500      |
| 27950  | 500/100  | 2 x 0.75 | 20      | 13101075  | GREY   | 500      |
| 27960  | 500/100  | 2 x 1.00 | 18      | 13101010  | RED    | 500      |
| 27970  | 500/100  | 2 x 1.50 | 16      | 13121015  | BLACK  | 500      |
| 27980  | 250/100  | 2 x 2.50 | 14      | 13131025  | BLUE   | 500      |
| 27990  | 100      | 2 x 4.00 | 12      | 13121040  | GREY   | 100      |
| 28000  | 100      | 2 x 6.00 | 10      | 13141060  | YELLOW | 100      |
| 28010  | 100      | 2 x 10.0 | 8       | 13141100  | RED    | 100      |
| 28020  | 100/50   | 2 x 16.0 | 6       | 13161160  | BLUE   | 50       |
| 22160  | 1000/100 | 0.5      | 20      | 12610050  |        | 1000     |
| 22170  | 1000/100 | 0.75     | 20      | 12610075  |        | 1000     |
| 22180  | 1000/100 | 0.75     | 20      | 121010075 |        | 1000     |
| 22190  | 1000/100 | 1        | 18      | 12610100  |        | 1000     |
| 22200  | 1000/100 | 1        | 18      | 121010100 |        | 1000     |
| 22210  | 1000/100 | 1.5      | 16      | 12710150  |        | 1000     |
| 22220  | 1000/100 | 1.5      | 16      | 121010150 |        | 1000     |
| 22230  | 1000/100 | 2.5      | 14      | 12710250  |        | 1000     |
| 22240  | 1000/100 | 2.5      | 14      | 121210250 |        | 1000     |
| 22250  | 1000/100 | 4        | 12      | 12910400  |        | 1000     |
| 22250  | 1000     | 4        | 12      | 121010400 |        | 1000     |
| 22260  | 1000/100 | 4        | 12      | 121210400 |        | 1000     |
| 22270  | 1000/100 | 6        | 10      | 121210600 |        | 1000     |
| 22280  | 1000/100 | 10       | 8       | 1212110   |        | 500      |
| 22290  | 1000/100 | 10       | 8       | 1218110   |        | 500      |
| 23880  | 1000/100 | 6        | 10      | 121510600 |        | 1000     |
| 23890  | 500/100  | 10       | 8       | 1215110   |        | 500      |
| 23910  | 500/100  | 16       | 6       | 1212116   |        | 250      |
| 23920  | 500/100  | 16       | 6       | 1215116   |        | 250      |
| 23930  | 500/100  | 16       | 6       | 1218116   |        | 250      |
| 23940  | 500/100  | 25       | 4       | 1215125   |        | 100      |
| 23950  | 500/100  | 25       | 4       | 1218125   |        | 100      |
| 23960  | 500/100  | 35       | 2       | 1218135   |        | 100      |
| 27910  | 50       | 95       | 3/0     | 1230195   |        | 100      |
| 27920  | 50       | 120      | 4/0     | 12321120  |        | 100      |
| 27930  | 50       | 150      | 300 MCM | 123811500 |        | 100      |
| 28150  | 25       | 185      | 350 MCM | 124011850 |        | 100      |
| 28160  | 100      | 50       | 1       | 1232150   |        | 100      |

**ABB**

| PART #   | PCS./BAG | MM       | AWG | PART #    | COLOR  | PCS./BAG |
|----------|----------|----------|-----|-----------|--------|----------|
| 30445400 | 1000     | 0.5      | 20  | 1181050   | WHITE  | 500      |
| 30445501 | 1000     | 0.75     | 20  | 1181075   | GREY   | 500      |
| 30445602 | 1000     | 1        | 18  | 1181010   | RED    | 500      |
| 30445703 | 1000     | 1.5      | 16  | 1181015   | BLACK  | 500      |
| 30445814 | 1000     | 1.5      | 16  | 1181015   | BLACK  | 500      |
| 30445915 | 1000     | 2.5      | 14  | 1181025   | BLUE   | 500      |
| 30446012 | 1000     | 2.5      | 14  | 1181025   | BLUE   | 500      |
| 30446107 | 1000     | 4        | 12  | 11101040  | GREY   | 500      |
| 30446200 | 1000     | 4        | 12  | 1181040   | GREY   | 100      |
| 30446301 | 100      | 6        | 10  | 11121060  | YELLOW | 100      |
| 30446402 | 100      | 6        | 10  | 1181060   | YELLOW | 100      |
| 30446503 | 100      | 10       | 8   | 11121100  | RED    | 100      |
| 30446604 | 100      | 10       | 8   | 1181100   | RED    | 100      |
| 30446705 | 100      | 16       | 6   | 11121160  | BLUE   | 100      |
| 30446816 | 100      | 16       | 6   | 1181160   | BLUE   | 100      |
| 30446917 | 100      | 25       | 4   | 1181250   | YELLOW | 50       |
| 30447014 | 50       | 35       | 2   | 1181350   | RED    | 50       |
| 30447101 | 50       | 50       | 1   | 11251500  | BLUE   | 25       |
| 30455810 |          | 2 x 0.50 | 20  | 1381050   | WHITE  | 500      |
| 30455911 |          | 2 x 0.75 | 20  | 1381075   | GREY   | 500      |
| 30456016 |          | 2 x 0.75 | 20  | 13101075  | GREY   | 500      |
| 30456103 |          | 2 x 1.00 | 18  | 1381010   | RED    | 500      |
| 30456204 |          | 2 x 1.00 | 18  | 13101010  | RED    | 500      |
| 30456305 |          | 2 x 1.50 | 16  | 1381015   | BLACK  | 500      |
| 30456406 |          | 2 x 1.50 | 16  | 13121015  | BLACK  | 500      |
| 30456507 |          | 2 x 2.50 | 14  | 13101025  | BLUE   | 500      |
| 30456600 |          | 2 x 2.50 | 14  | 13131025  | BLUE   | 500      |
| 30456701 |          | 2 x 4.00 | 12  | 13121040  | GREY   | 100      |
| 30456812 |          | 2 x 6.00 | 10  | 13141060  | YELLOW | 100      |
| 30456913 |          | 2 x 10.0 | 8   | 13141100  | RED    | 100      |
| 30457010 |          | 2 x 16.0 | 6   | 13161160  | BLUE   | 50       |
| 30457105 |          | 0.5      | 20  | 12610050  |        | 1000     |
| 30457206 |          | 0.75     | 20  | 12610075  |        | 1000     |
| 30457307 |          | 1        | 18  | 12610100  |        | 1000     |
| 30457400 |          | 1        | 18  | 121010100 |        | 1000     |
| 30457501 |          | 1.5      | 16  | 12710150  |        | 1000     |
| 30457602 |          | 1.5      | 16  | 121010150 |        | 1000     |
| 30457703 |          | 2.5      | 14  | 12710250  |        | 1000     |
| 30457814 |          | 2.5      | 14  | 121210250 |        | 1000     |
| 30457915 |          | 4        | 12  | 12910400  |        | 1000     |
| 30458003 |          | 4        | 12  | 121210400 |        | 1000     |
| 30458120 |          | 6        | 10  | 121010600 |        | 1000     |
| 30458221 |          | 6        | 10  | 121210600 |        | 1000     |
| 30458322 |          | 6        | 10  | 121510600 |        | 1000     |
| 30458423 |          | 10       | 8   | 1212110   |        | 500      |
| 30458524 |          | 10       | 8   | 1215110   |        | 500      |
| 30458625 |          | 10       | 8   | 1218110   |        | 500      |
| 30458726 |          | 16       | 6   | 1212116   |        | 250      |
| 30458807 |          | 16       | 6   | 1215116   |        | 250      |
| 30458900 |          | 16       | 6   | 1218116   |        | 250      |

**AMERICAN ELECTRICAL**
**MIRO**
**AMERICAN ELECTRICAL**

| PART # | PCS./BAG | MM   | AWG | PART #    | COLOR  | PCS./BAG |
|--------|----------|------|-----|-----------|--------|----------|
| G1201  |          | 50   | 1   | 11202500  | OLIVE  | 50       |
| G1202  |          | 35   | 2   | 11162350  | BEIGE  | 50       |
| G1204  |          | 25   | 4   | 11162250  | BROWN  | 50       |
| G1206  |          | 16   | 6   | 11122160  | GREEN  | 100      |
| G1208  |          | 10   | 8   | 11122100  | IVORY  | 100      |
| G1210  |          | 6    | 10  | 11122060  | BLACK  | 100      |
| G1212  |          | 4    | 12  | 11102040  | GREY   | 500      |
| G1214  |          | 2.5  | 14  | 1182025   | BLUE   | 500      |
| G1216  |          | 1.5  | 16  | 1182015   | RED    | 500      |
| G1218  |          | 1    | 18  | 1182010   | YELLOW | 500      |
| G1220  |          | 0.75 | 20  | 1182075   | WHITE  | 500      |
| G1222  |          | 0.5  | 22  | 1182050   | ORANGE | 500      |
| G1224  |          | 0.34 | 24  | 1181034   | TURQ   | 500      |
| G1228  |          | 0.25 | 26  | 11620025  | BLUE   | 500      |
| G2201  |          | 50   | 1   | 11252500  | OLIVE  | 25       |
| G2202  |          | 35   | 2   | 11252350  | IVORY  | 50       |
| G2204  |          | 25   | 4   | 11222250  | BROWN  | 50       |
| G2206  |          | 16   | 6   | 11182160  | GREEN  | 100      |
| G2208  |          | 10   | 8   | 11182100  | IVORY  | 100      |
| G2210  |          | 6    | 10  | 11182060  | BLACK  | 100      |
| G2212  |          | 4    | 12  | 11182040  | GREY   | 100      |
| G2214  |          | 2.5  | 14  | 11182025  | BLUE   | 500      |
| G2216  |          | 1.5  | 16  | 11182015  | RED    | 500      |
| G2218  |          | 1    | 18  | 11122010  | YELLOW | 500      |
| G2220  |          | 0.75 | 20  | 11102075  | WHITE  | 500      |
| G2222  |          | 0.5  | 22  | 11102050  | ORANGE | 500      |
| G2224  |          | 0.34 | 24  | 1181034   | TURQ   | 500      |
| G2228  |          | 0.25 | 26  | 11820025  | BLUE   | 500      |
| U1222  |          | 0.5  | 20  | 12610050  |        | 1000     |
| U1220  |          | 0.75 | 20  | 12610075  |        | 1000     |
| U1218  |          | 1    | 18  | 12810100  |        | 1000     |
| U1216  |          | 1.5  | 16  | 12710150  |        | 1000     |
| U1214  |          | 2.5  | 14  | 12710250  |        | 1000     |
| U2222  |          | 0.5  | 20  | 12810050  |        | 1000     |
| U2220  |          | 0.75 | 20  | 12810075  |        | 1000     |
| U1212  |          | 4    | 12  | 12910400  |        | 1000     |
| U2218  |          | 1    | 18  | 121010100 |        | 1000     |
| U2216  |          | 1.5  | 16  | 121010150 |        | 1000     |
| U2214  |          | 2.5  | 14  | 121010250 |        | 1000     |
| U2212  |          | 4    | 12  | 121210400 |        | 1000     |
| U1210  |          | 6    | 10  | 121210600 |        | 1000     |
| U2210  |          | 6    | 10  | 121510600 |        | 1000     |
| U1208  |          | 10   | 8   | 1215110   |        | 500      |
| U1206  |          | 16   | 6   | 1215116   |        | 250      |
| U1204  |          | 25   | 4   | 1212125   |        | 100      |
| U2208  |          | 10   | 8   | 1218110   |        | 500      |



## WIRE FERRULE CROSS REFERENCE

### PHOENIX

| PART #  | PCS./BAG | MM   | AWG | PART #   | COLOR  | PCS./BAG |
|---------|----------|------|-----|----------|--------|----------|
| 3009215 | 100      | 0.34 | 24  | 1161034  | TURQ   | 500      |
| 3200014 | 100      | 0.5  | 20  | 1181050  | WHITE  | 500      |
| 3200027 | 100      | 0.75 | 20  | 1183075  | BLUE   | 500      |
| 3200030 | 100      | 1    | 18  | 1181010  | RED    | 500      |
| 3200043 | 100      | 1.5  | 16  | 1181015  | BLACK  | 500      |
| 3200056 | 100      | 1.5  | 16  | 1181015  | BLACK  | 500      |
| 3200069 | 100      | 2.5  | 14  | 1183025  | GREY   | 500      |
| 3200072 | 100      | 2.5  | 14  | 1183025  | GREY   | 500      |
| 3200085 | 100      | 4    | 12  | 11103040 | ORANGE | 500      |
| 3200098 | 100      | 4    | 12  | 1183040  | ORANGE | 100      |
| 3200108 | 100      | 6    | 10  | 11123060 | GREEN  | 100      |
| 3200111 | 100      | 6    | 10  | 1183060  | GREEN  | 100      |
| 3200124 | 100      | 10   | 8   | 11123100 | BROWN  | 100      |
| 3200137 | 100      | 10   | 8   | 1183100  | BROWN  | 100      |
| 3200179 | 100      | 0.25 | 24  | 11610025 | YELLOW | 500      |
| 3200182 | 100      | 1    | 18  | 11103010 | RED    | 500      |
| 3200195 | 100      | 1.5  | 16  | 11103015 | BLACK  | 500      |
| 3200205 | 100      | 2.5  | 14  | 11123025 | GREY   | 500      |
| 3200412 | 100      | 25   | 4   | 11163250 | BLACK  | 50       |
| 3200438 | 100      | 4    | 12  | 11123040 | ORANGE | 500      |
| 3200441 | 100      | 35   | 2   | 11161350 | RED    | 50       |
| 3200454 | 100      | 50   | 1   | 11201500 | BLUE   | 50       |
| 3200519 | 100      | 0.75 | 20  | 1181075  | GREY   | 500      |
| 3200522 | 100      | 2.5  | 14  | 1181025  | BLUE   | 500      |
| 3200535 | 100      | 4    | 12  | 11101040 | GREY   | 500      |
| 3200548 | 100      | 6    | 10  | 11121060 | YELLOW | 100      |
| 3200551 | 100      | 10   | 8   | 11121100 | RED    | 100      |
| 3200564 | 100      | 16   | 6   | 11121160 | BLUE   | 100      |
| 3200577 | 100      | 25   | 4   | 11161250 | YELLOW | 50       |
| 3200580 | 100      | 2.5  | 14  | 11181025 | BLUE   | 500      |
| 3200593 | 100      | 4    | 12  | 11181040 | GREY   | 100      |
| 3200603 | 100      | 6    | 10  | 11181060 | YELLOW | 100      |
| 3200616 | 100      | 10   | 8   | 11181100 | RED    | 100      |
| 3200629 | 100      | 16   | 6   | 11181160 | BLUE   | 100      |
| 3200632 | 100      | 0.25 | 24  | 11820025 | BLUE   | 500      |
| 3200674 | 100      | 1    | 18  | 11123010 | RED    | 500      |
| 3200687 | 100      | 0.5  | 20  | 1163050  | WHITE  | 500      |
| 3200713 | 100      | 35   | 2   | 11253350 | RED    | 50       |
| 3200726 | 100      | 50   | 1   | 11253500 | BLUE   | 25       |
| 3200739 | 100      | 35   | 2   | 11252350 | BEIGE  | 50       |
| 3200742 | 100      | 1    | 18  | 1163010  | RED    | 500      |
| 3200755 | 100      | 1.5  | 16  | 1163015  | BLACK  | 500      |
| 3200865 | 100      | 0.34 | 24  | 1182034  | TURQ   | 500      |
| 3200881 | 1000     | 0.5  | 20  | 1183050  | WHITE  | 500      |
| 3200904 | 1000     | 1    | 18  | 1183010  | RED    | 500      |
| 3200917 | 1000     | 1.5  | 16  | 1183015  | BLACK  | 500      |
| 3200920 | 1000     | 2.5  | 14  | 1182025  | BLUE   | 500      |
| 3200959 | 100      | 4    | 12  | 11122040 | GREY   | 500      |
| 3200962 | 100      | 2.5  | 14  | 11122025 | BLUE   | 500      |
| 3201068 | 100      | 10   | 8   | 11122100 | IVORY  | 100      |
| 3201071 | 100      | 35   | 2   | 11162350 | BEIGE  | 50       |
| 3201084 | 100      | 25   | 4   | 11162250 | BROWN  | 50       |
| 3201097 | 100      | 1    | 18  | 1182010  | YELLOW | 500      |
| 3201107 | 100      | 6    | 10  | 11122060 | BLACK  | 100      |
| 3201110 | 100      | 0.75 | 20  | 1182075  | WHITE  | 500      |
| 3201136 | 100      | 1.5  | 16  | 1182015  | RED    | 500      |
| 3201152 | 100      | 16   | 6   | 11122160 | GREEN  | 100      |
| 3201178 | 100      | 50   | 1   | 11202500 | OLIVE  | 50       |
| 3201181 | 100      | 16   | 6   | 11123160 | WHITE  | 100      |
| 3201275 | 100      | 0.5  | 20  | 11103050 | WHITE  | 500      |
| 3201291 | 100      | 0.25 | 24  | 11620025 | BLUE   | 500      |
| 3201301 | 100      | 0.5  | 20  | 1162050  | ORANGE | 500      |
| 3201301 | 100      | 0.5  | 20  | 1182050  | ORANGE | 500      |
| 3201314 | 100      | 0.75 | 20  | 1162075  | WHITE  | 500      |
| 3201327 | 100      | 1    | 18  | 1162010  | YELLOW | 500      |
| 3201330 | 100      | 16   | 6   | 11182160 | GREEN  | 100      |

### PHOENIX

| PART #  | PCS./BAG | MM   | AWG | PART #    | COLOR | PCS./BAG |
|---------|----------|------|-----|-----------|-------|----------|
| 3009202 | 1000     | 0.34 | 22  | 12710034  |       | 1000     |
| 3200218 | 1000     | 0.5  | 20  | 12610050  |       | 1000     |
| 3200221 | 1000     | 0.75 | 20  | 12610075  |       | 1000     |
| 3200234 | 1000     | 0.75 | 20  | 121010075 |       | 1000     |
| 3200247 | 1000     | 1    | 18  | 12610100  |       | 1000     |
| 3200250 | 1000     | 1    | 18  | 121010100 |       | 1000     |
| 3200263 | 1000     | 1.5  | 16  | 12710150  |       | 1000     |
| 3200276 | 1000     | 1.5  | 16  | 121010150 |       | 1000     |
| 3200289 | 1000     | 2.5  | 14  | 12710250  |       | 1000     |
| 3200292 | 1000     | 2.5  | 14  | 121210250 |       | 1000     |
| 3200302 | 1000     | 4    | 12  | 12910400  |       | 1000     |
| 3200315 | 1000     | 4    | 12  | 121210400 |       | 1000     |
| 3200328 | 500      | 6    | 10  | 121210600 |       | 1000     |
| 3200836 | 100      | 2.5  | 14  | 13101025  |       | 500      |
| 3200878 | 100      | 2.5  | 14  | 13131025  |       | 500      |
| 3200975 | 100      | 0.75 | 20  | 13101075  |       | 500      |
| 3200988 | 100      | 1    | 18  | 13101010  |       | 500      |
| 3200991 | 100      | 1.5  | 16  | 13121015  |       | 500      |
| 3201000 | 100      | 4    | 12  | 13121040  |       | 100      |
| 3201013 | 100      | 4    | 12  | 13141060  |       | 100      |
| 3201026 | 100      | 10   | 8   | 13141100  |       | 100      |



## WAGO

## AMERICAN ELECTRICAL

| PART #  | Pcs./BAG | MM   | AWG | PART #    | COLOR  | Pcs./BAG |
|---------|----------|------|-----|-----------|--------|----------|
|         |          | 0.14 | 26  | 1161014   | GREY   | 500      |
|         |          | 0.14 | 26  | 1181014   | GREY   | 500      |
| 216201  | 1000     | 0.5  | 22  | 1181050   | WHITE  | 500      |
| 216203  | 1000     | 1    | 18  | 1181010   | RED    | 500      |
| 216204  | 1000     | 1.5  | 16  | 1181015   | BLACK  | 500      |
| 216205  | 1000     | 2.1  | 14  | 1181208   | YELLOW | 500      |
| 216206  | 1000     | 2.5  | 14  | 1183025   | GREY   | 500      |
| 216207  | 1000     | 4    | 12  | 11103040  | ORANGE | 500      |
| 216208  | 100      | 6    | 10  | 11123060  | GREEN  | 100      |
| 216209  | 100      | 10   | 8   | 11123100  | BROWN  | 100      |
| 216210  | 100      | 16   | 6   | 11123160  | WHITE  | 100      |
| 216221  | 1000     | 0.5  | 22  | 1161050   | WHITE  | 500      |
| 216222  | 1000     | 0.75 | 20  | 1163075   | BLUE   | 500      |
| 216223  | 1000     | 1    | 18  | 1161010   | RED    | 500      |
| 216224  | 1000     | 1.5  | 16  | 1161015   | BLACK  | 500      |
| 216301  | 1000     | 0.25 | 24  | 11810025  | YELLOW | 500      |
| 216302  | 1000     | 0.34 | 24  | 1181034   | TURQ   | 500      |
| 216321  | 1000     | 0.25 | 24  | 11610025  | YELLOW | 500      |
| 216322  | 1000     | 0.34 | 24  | 1161034   | TURQ   | 500      |
| 2162020 | 1000     | 0.75 | 20  | 1181075   | BLUE   | 500      |
| 216101  | 1000     | 0.5  | 22  | 12810050  |        | 1000     |
| 216102  | 1000     | 0.75 | 20  | 12810075  |        | 1000     |
| 216103  | 1000     | 1    | 18  | 12810100  |        | 1000     |
| 216104  | 1000     | 1.5  | 16  | 12810150  |        | 1000     |
| 216106  | 1000     | 2.5  | 14  | 121010250 |        | 1000     |
| 216107  | 1000     | 4    | 12  | 12910400  |        | 1000     |
| 216108  | 250      | 6    | 10  | 121210600 |        | 1000     |
| 216109  | 250      | 10   | 8   | 1212110   |        | 500      |
| 216110  | 250      | 16   | 6   | 1215116   |        | 500      |
| 216121  | 1000     | 0.5  | 22  | 12610050  |        | 1000     |
| 216122  | 1000     | 0.75 | 20  | 12610075  |        | 1000     |
| 216123  | 1000     | 1    | 18  | 12610100  |        | 1000     |
| 216124  | 1000     | 1.5  | 16  | 12710150* |        | 1000     |
| 216131  | 1000     | 0.25 | 24  | 12710025  |        | 1000     |
| 216132  | 1000     | 0.34 | 24  | 12710034  |        | 1000     |
| 216151  | 1000     | 0.25 | 24  | 12510025  |        | 1000     |
| 216152  | 1000     | 0.34 | 24  | 12510034  |        | 1000     |



## WIRE FERRULE CROSS REFERENCE

### WEIDMULLER

| PART #     | PCS./BAG | MM   | AWG | PART #   | COLOR  | PCS./BAG |
|------------|----------|------|-----|----------|--------|----------|
| 0317000000 | 50       | 25   | 4   | 11162250 | BROWN  | 50       |
| 0317100000 | 50       | 25   | 4   | 11222250 | BROWN  | 50       |
| 0317200000 | 50       | 35   | 2   | 11162350 | BEIGE  | 50       |
| 0317300000 | 50       | 35   | 2   | 11252350 | BEIGE  | 50       |
| 0409500000 | 500      | 0.5  | 20  | 1162050  | ORANGE | 500      |
| 0409600000 | 500      | 0.75 | 20  | 1162075  | WHITE  | 500      |
| 0409700000 | 500      | 1    | 18  | 1162010  | YELLOW | 500      |
| 0444200000 | 50       | 50   | 1   | 11202500 | OLIVE  | 50       |
| 0462900000 | 500      | 0.75 | 20  | 1182075  | WHITE  | 500      |
| 0463000000 | 500      | 1    | 18  | 1182010  | YELLOW | 500      |
| 0463100000 | 500      | 1.5  | 16  | 1182015  | RED    | 500      |
| 0533500000 | 100      | 6    | 10  | 11122060 | BLACK  | 100      |
| 0534200000 | 100      | 10   | 8   | 11122100 | IVORY  | 100      |
| 0565600000 | 500      | 1.5  | 16  | 11182015 | RED    | 500      |
| 0565700000 | 100      | 6    | 10  | 11182060 | BLACK  | 100      |
| 0565800000 | 100      | 10   | 8   | 11182100 | IVORY  | 100      |
| 0565900000 | 100      | 16   | 6   | 11122160 | GREEN  | 100      |
| 0566000000 | 100      | 16   | 6   | 11182160 | GREEN  | 100      |
| 0635100000 | 500      | 1.5  | 16  | 11102015 | RED    | 500      |
| 0690700000 | 500      | 0.5  | 20  | 1182050  | ORANGE | 500      |
| 9019000000 | 500      | 0.5  | 20  | 1161050  | WHITE  | 500      |
| 9019010000 | 500      | 0.5  | 20  | 1181050  | WHITE  | 500      |
| 9019020000 | 500      | 0.5  | 20  | 11101050 | WHITE  | 500      |
| 9019030000 | 500      | 0.75 | 20  | 1161075  | GREY   | 500      |
| 9019040000 | 500      | 0.75 | 20  | 1181075  | GREY   | 500      |
| 9019050000 | 500      | 0.75 | 20  | 11101075 | GREY   | 500      |
| 9019060000 | 500      | 0.75 | 20  | 11121075 | GREY   | 500      |
| 9019070000 | 500      | 1    | 18  | 1161010  | RED    | 500      |
| 9019080000 | 500      | 1    | 18  | 1181010  | RED    | 500      |
| 9019100000 | 500      | 1    | 18  | 11101010 | RED    | 500      |
| 9019110000 | 500      | 1    | 18  | 11121010 | RED    | 500      |
| 9019120000 | 500      | 1.5  | 16  | 1181015  | BLACK  | 500      |
| 9019130000 | 500      | 1.5  | 16  | 11101015 | BLACK  | 500      |
| 9019140000 | 500      | 1.5  | 18  | 11121015 | BLACK  | 500      |
| 9019150000 | 500      | 1.5  | 16  | 11181015 | BLACK  | 500      |
| 9019160000 | 500      | 2.5  | 14  | 1181025  | BLUE   | 500      |
| 9019160000 | 500      | 2.5  | 14  | 1182025  | BLUE   | 500      |
| 9019170000 | 500      | 2.5  | 14  | 11121025 | BLUE   | 500      |
| 9019170000 | 500      | 2.5  | 14  | 11122025 | BLUE   | 500      |
| 9019180000 | 500      | 2.5  | 14  | 11181025 | BLUE   | 500      |
| 9019180000 | 500      | 2.5  | 14  | 11182025 | BLUE   | 500      |
| 9019190000 | 500      | 4    | 12  | 11101040 | GREY   | 500      |
| 9019190000 | 500      | 4    | 12  | 11102040 | GREY   | 500      |
| 9019200000 | 500      | 4    | 12  | 11121040 | GREY   | 500      |
| 9019200000 | 500      | 4    | 12  | 11122040 | GREY   | 500      |
| 9019210000 | 500      | 4    | 12  | 11181040 | GREY   | 500      |
| 9019210000 | 500      | 4    | 12  | 11182040 | GREY   | 500      |
| 9019220000 | 100      | 6    | 10  | 11121060 | YELLOW | 100      |
| 9019230000 | 100      | 6    | 10  | 11181060 | YELLOW | 100      |
| 9019240000 | 100      | 10   | 8   | 11121100 | RED    | 100      |
| 9019250000 | 100      | 10   | 8   | 11181100 | RED    | 100      |
| 9019260000 | 100      | 16   | 6   | 11121160 | BLUE   | 100      |
| 9019270000 | 100      | 16   | 6   | 11181160 | BLUE   | 100      |
| 9019280000 | 50       | 25   | 4   | 11161250 | YELLOW | 50       |
| 9019300000 | 50       | 25   | 4   | 11221250 | YELLOW | 50       |
| 9019310000 | 50       | 35   | 2   | 11161350 | RED    | 50       |
| 9019330000 | 50       | 35   | 2   | 11251350 | RED    | 50       |
| 9019340000 | 50       | 50   | 1   | 11201500 | BLUE   | 50       |
| 9021010000 | 500      | 0.25 | 24  | 11610025 | YELLOW | 500      |
| 9021020000 | 500      | 0.25 | 24  | 11810025 | YELLOW | 500      |
| 9021030000 | 500      | 0.75 | 20  | 1163075  | BLUE   | 500      |
| 9021040000 | 500      | 0.75 | 20  | 1183075  | BLUE   | 500      |
| 9021050000 | 500      | 0.75 | 20  | 11103075 | BLUE   | 500      |
| 9021060000 | 500      | 0.75 | 20  | 11123075 | BLUE   | 500      |
| 9021070000 | 500      | 2.5  | 14  | 1183025  | GREY   | 500      |
| 9021080000 | 500      | 2.5  | 14  | 11123025 | GREY   | 500      |

### WEIDMULLER

| PART #     | PCS./BAG | MM   | AWG    | PART #    | COLOR  | PCS./BAG |
|------------|----------|------|--------|-----------|--------|----------|
| 9021090000 | 500      | 2.5  | 14     | 11183025  | GREY   | 500      |
| 9021100000 | 500      | 4    | 12     | 11103040  | ORANGE | 500      |
| 9021110000 | 500      | 4    | 12     | 11123040  | ORANGE | 500      |
| 9021120000 | 100      | 4    | 12     | 11183040  | ORANGE | 100      |
| 9021130000 | 100      | 6    | 10     | 11123060  | GREEN  | 100      |
| 9021140000 | 100      | 6    | 10     | 11183060  | GREEN  | 100      |
| 9021150000 | 100      | 10   | 8      | 11123100  | BROWN  | 100      |
| 9021160000 | 100      | 10   | 8      | 11183100  | BROWN  | 100      |
| 9021170000 | 100      | 16   | 6      | 11123160  | WHITE  | 100      |
| 9021180000 | 100      | 16   | 6      | 11183160  | WHITE  | 100      |
| 9021190000 | 50       | 25   | 4      | 11163250  | BLACK  | 50       |
| 9021200000 | 50       | 25   | 4      | 11253250  | BLACK  | 50       |
| 9025740000 | 500      | 0.25 | 24     | 11620025  | BLUE   | 500      |
| 9025750000 | 500      | 0.34 | 24     | 1162034   | TURQ   | 500      |
| 9025760000 | 500      | 0.25 | 24     | 11820025  | BLUE   | 500      |
| 9025770000 | 500      | 0.34 | 24     | 1182034   | TURQ   | 500      |
| 9025860000 | 500      | 0.75 | 20     | 11102075  | WHITE  | 500      |
| 9025870000 | 500      | 0.5  | 20     | 11102050  | ORANGE | 500      |
| 9025910000 | 500      | 0.75 | 20     | 11122075  | WHITE  | 500      |
| 9025930000 | 500      | 1    | 18     | 11122010  | YELLOW | 500      |
| 9025950000 | 500      | 1    | 18     | 11102010  | YELLOW | 500      |
| 9028200000 | 25       | 70   | 1/0    | 11202700  | YELLOW | 25       |
| 9028210000 | 25       | 95   | 3/0    | 11252950  | RED    | 25       |
| 9028230000 | 25       | 150  | 300MCM | 113221500 | YELLOW | 25       |
| 9028250000 | 500      | 0.14 | 26     | 1163014   | BROWN  | 500      |
| 0124300000 | 500      | 16   | 6      | 1215116   |        | 250      |
| 0124400000 | 250      | 25   | 4      | 1215125   |        | 100      |
| 0124700000 | 500      | 6    | 10     | 121510600 |        | 1000     |
| 0124800000 | 500      | 10   | 8      | 1215110   |        | 500      |
| 0186100000 | 1000     | 2.5  | 14     | 121210250 |        | 1000     |
| 0186500000 | 1000     | 1.5  | 16     | 121010150 |        | 1000     |
| 0191900000 | 500      | 6    | 10     | 121210600 |        | 1000     |
| 0244100000 | 1000     | 4    | 12     | 121210400 |        | 1000     |
| 0282600000 | 1000     | 0.5  | 20     | 12610050  |        | 1000     |
| 0282700000 | 1000     | 0.75 | 20     | 12610075  |        | 1000     |
| 0282800000 | 1000     | 1    | 18     | 121010100 |        | 1000     |
| 0282900000 | 500      | 10   | 8      | 1212110   |        | 500      |
| 0368900000 | 100      | 35   | 2      | 1218135   |        | 100      |
| 3726000000 | 1000     | 1    | 18     | 12610100  |        | 1000     |
| 0372700000 | 1000     | 1.5  | 16     | 12710150  |        | 1000     |
| 0373000000 | 1000     | 2.5  | 14     | 12710250  |        | 1000     |
| 0373100000 | 500      | 4    | 12     | 12910400  |        | 1000     |
| 0375200000 | 100      | 16   | 6      | 1218116   |        | 250      |
| 0375300000 | 100      | 25   | 4      | 1218125   |        | 100      |
| 0379300000 | 500      | 10   | 8      | 1218110   |        | 500      |
| 0492500000 | 500      | 16   | 6      | 1212116   |        | 250      |
| 0542500000 | 1000     | 0.75 | 20     | 121010075 |        | 1000     |
| 9004050000 | 1000     | 0.5  | 20     | 121010050 |        | 1000     |
| 9004060000 | 1000     | 1.5  | 16     | 121210150 |        | 1000     |
| 9004070000 | 1000     | 1.5  | 16     | 121810150 |        | 1000     |
| 9004080000 | 1000     | 2.5  | 14     | 121010250 |        | 1000     |
| 9004090000 | 1000     | 2.5  | 14     | 121810250 |        | 1000     |
| 9004100000 | 1000     | 4    | 12     | 121510400 |        | 1000     |
| 9004110000 | 1000     | 4    | 12     | 121810400 |        | 1000     |
| 9004120000 | 1000     | 6    | 10     | 121010600 |        | 1000     |
| 9004130000 | 1000     | 6    | 10     | 121810600 |        | 1000     |
| 9004150000 | 250      | 16   | 6      | 1225116   |        | 250      |
| 9004160000 | 250      | 16   | 6      | 1232116   |        | 250      |
| 9004170000 | 100      | 25   | 4      | 1225125   |        | 100      |
| 9004180000 | 100      | 25   | 4      | 1232125   |        | 100      |
| 9004190000 | 100      | 35   | 2      | 1225135   |        | 100      |
| 9004200000 | 100      | 35   | 2      | 1232135   |        | 100      |
| 9004210000 | 100      | 50   | 1      | 1218150   |        | 100      |
| 9004220000 | 100      | 50   | 1      | 1232150   |        | 100      |
| 9018910000 | 1000     | 0.25 | 26     | 12510025  |        | 1000     |
| 9025880000 | 100      | 50   | 1      | 1225150   |        | 100      |

## WEILAND

| PART # | PCS./BAG | MM   | AWG | PART #   | COLOR  | PCS./BAG |
|--------|----------|------|-----|----------|--------|----------|
| 31700  | 50       | 25   | 4   | 11162250 | BROWN  | 50       |
| 31710  | 50       | 25   | 4   | 11222250 | BROWN  | 50       |
| 31720  | 50       | 35   | 2   | 11162350 | BEIGE  | 50       |
| 31730  | 50       | 35   | 2   | 11252350 | BEIGE  | 50       |
| 40950  | 500      | 0.5  | 20  | 1162050  | ORANGE | 500      |
| 40960  | 500      | 0.75 | 20  | 1162075  | WHITE  | 500      |
| 40970  | 500      | 1    | 18  | 1162010  | YELLOW | 500      |
| 44420  | 50       | 50   | 1   | 11202500 | OLIVE  | 50       |
| 46290  | 500      | 0.75 | 20  | 1182075  | WHITE  | 500      |
| 46300  | 500      | 1    | 16  | 1182010  | YELLOW | 500      |
| 46310  | 500      | 1.5  | 16  | 1182015  | RED    | 500      |
| 53350  | 100      | 6    | 10  | 11122060 | BLACK  | 100      |
| 53420  | 100      | 10   | 8   | 11122100 | IVORY  | 100      |
| 56560  | 500      | 1.5  | 16  | 11182015 | RED    | 500      |
| 56570  | 100      | 6    | 10  | 11182060 | BLACK  | 100      |
| 56580  | 100      | 10   | 8   | 11182100 | BEIGE  | 100      |
| 56590  | 100      | 16   | 6   | 11122160 | GREEN  | 100      |
| 56600  | 100      | 16   | 6   | 11182160 | GREEN  | 100      |
| 63510  | 500      | 1.5  | 16  | 11102015 | RED    | 500      |
| 69070  | 500      | 0.5  | 20  | 1182050  | ORANGE | 500      |
| 133310 | 500      | 2.5  | 14  | 1181025  | BLUE   | 500      |
| 901900 | 500      | 0.5  | 20  | 1161050  | WHITE  | 500      |
| 901901 | 500      | 0.5  | 20  | 1181050  | WHITE  | 500      |
| 901902 | 500      | 0.5  | 20  | 11101050 | WHITE  | 500      |
| 901903 | 500      | 0.75 | 20  | 1161075  | GREY   | 500      |
| 901904 | 500      | 0.75 | 20  | 1181075  | GREY   | 500      |
| 901905 | 500      | 0.75 | 20  | 11101075 | GREY   | 500      |
| 901906 | 500      | 0.75 | 20  | 11121075 | GREY   | 500      |
| 901907 | 500      | 1    | 18  | 1161010  | RED    | 500      |
| 901908 | 500      | 1    | 18  | 1181010  | RED    | 500      |
| 901910 | 500      | 1    | 18  | 11101010 | RED    | 500      |
| 901911 | 500      | 1    | 18  | 11121010 | RED    | 500      |
| 901912 | 500      | 1.5  | 16  | 1181015  | BLACK  | 500      |
| 901913 | 500      | 1.5  | 16  | 11101015 | BLACK  | 500      |
| 901915 | 500      | 1.5  | 16  | 11181015 | BLACK  | 500      |
| 901916 | 500      | 2.5  | 14  | 1181025  | BLUE   | 500      |
| 901916 | 500      | 2.5  | 14  | 1182025  | BLUE   | 500      |
| 901917 | 500      | 2.5  | 14  | 11121025 | BLUE   | 500      |
| 901917 | 500      | 2.5  | 14  | 11122025 | BLUE   | 500      |
| 901918 | 500      | 2.5  | 14  | 11181025 | BLUE   | 500      |
| 901918 | 500      | 2.5  | 14  | 11182025 | BLUE   | 500      |
| 901919 | 500      | 4    | 12  | 11101040 | GREY   | 500      |
| 901919 | 500      | 4    | 12  | 11102040 | GREY   | 500      |
| 901920 | 500      | 4    | 12  | 11121040 | GREY   | 500      |
| 901920 | 500      | 4    | 12  | 11122040 | GREY   | 500      |
| 901921 | 500      | 4    | 12  | 11181040 | GREY   | 100      |
| 901921 | 500      | 4    | 12  | 11182040 | GREY   | 100      |
| 901922 | 100      | 6    | 10  | 11121060 | YELLOW | 100      |
| 901923 | 100      | 6    | 10  | 11181060 | YELLOW | 100      |
| 901924 | 100      | 10   | 8   | 11121100 | RED    | 100      |
| 901925 | 100      | 10   | 8   | 11181100 | RED    | 100      |
| 901926 | 100      | 16   | 6   | 11121160 | BLUE   | 100      |
| 901927 | 100      | 16   | 6   | 11181160 | BLUE   | 100      |
| 901928 | 50       | 25   | 4   | 11161250 | YELLOW | 50       |
| 901930 | 50       | 25   | 4   | 11221250 | YELLOW | 50       |
| 901931 | 50       | 35   | 2   | 11161350 | RED    | 50       |
| 901933 | 50       | 35   | 2   | 11251350 | RED    | 50       |
| 901934 | 50       | 50   | 1   | 11201500 | BLUE   | 50       |
| 902101 | 500      | 0.25 | 24  | 11610025 | YELLOW | 500      |
| 902103 | 500      | 0.75 | 20  | 1163075  | BLUE   | 500      |
| 902104 | 500      | 0.75 | 20  | 1183075  | BLUE   | 500      |
| 902105 | 500      | 0.75 | 20  | 11103075 | BLUE   | 500      |
| 902106 | 500      | 0.75 | 20  | 11123075 | BLUE   | 500      |
| 902107 | 500      | 2.5  | 14  | 1183025  | GREY   | 500      |
| 902108 | 500      | 2.5  | 14  | 11123025 | GREY   | 500      |
| 902109 | 500      | 2.5  | 14  | 11183025 | GREY   | 500      |
| 902110 | 500      | 4    | 12  | 11103040 | ORANGE | 500      |

## WEILAND

| PART # | PCS./BAG | MM   | AWG | PART #    | COLOR  | PCS./BAG |
|--------|----------|------|-----|-----------|--------|----------|
| 902111 | 500      | 4    | 12  | 11123040  | ORANGE | 500      |
| 902112 | 100      | 4    | 12  | 11183040  | ORANGE | 100      |
| 902113 | 100      | 6    | 10  | 11123060  | GREEN  | 100      |
| 902114 | 100      | 6    | 10  | 11183060  | GREEN  | 100      |
| 902115 | 100      | 10   | 8   | 11123100  | BROWN  | 100      |
| 902116 | 100      | 10   | 8   | 11183100  | BROWN  | 100      |
| 902117 | 100      | 16   | 6   | 11123160  | WHITE  | 100      |
| 902118 | 100      | 16   | 6   | 11183160  | WHITE  | 100      |
| 902119 | 50       | 25   | 4   | 11163250  | BLACK  | 50       |
| 902120 | 50       | 25   | 4   | 11253250  | BLACK  | 50       |
| 902574 | 500      | 0.25 | 24  | 11620025  | BLUE   | 500      |
| 902575 | 500      | 0.34 | 24  | 1162034   | TURQ   | 500      |
| 902576 | 500      | 0.25 | 24  | 11820025  | BLUE   | 500      |
| 902577 | 500      | 0.34 | 24  | 1182034   | TURQ   | 500      |
| 902586 | 500      | 0.75 | 20  | 11102075  | WHITE  | 500      |
| 902587 | 500      | 0.5  | 20  | 11102050  | ORANGE | 500      |
| 902591 | 500      | 0.75 | 20  | 11122075  | WHITE  | 500      |
| 902593 | 500      | 1    | 18  | 11122010  | YELLOW | 500      |
| 902595 | 500      | 1    | 18  | 11102010  | YELLOW | 500      |
| 902603 | 500      | 0.34 | 24  | 1161034   | TURQ   | 500      |
| 12430  | 500      | 16   | 6   | 1215116   |        | 250      |
| 12440  | 250      | 25   | 4   | 1215125   |        | 100      |
| 12470  | 500      | 6    | 10  | 121510600 |        | 1000     |
| 12480  | 500      | 10   | 8   | 1215110   |        | 500      |
| 18610  | 1000     | 2.5  | 14  | 121210250 |        | 1000     |
| 18650  | 1000     | 1.5  | 16  | 121010150 |        | 1000     |
| 19190  | 500      | 6    | 10  | 121210600 |        | 1000     |
| 24410  | 1000     | 4    | 12  | 121210400 |        | 1000     |
| 28260  | 1000     | 0.5  | 20  | 12610050  |        | 1000     |
| 28270  | 1000     | 0.75 | 20  | 12610075  |        | 1000     |
| 28280  | 1000     | 1    | 18  | 121010100 |        | 1000     |
| 28290  | 500      | 10   | 8   | 1212110   |        | 500      |
| 36890  | 100      | 35   | 2   | 1218135   |        | 100      |
| 37260  | 1000     | 1    | 18  | 12610100  |        | 1000     |
| 37270  | 1000     | 1.5  | 16  | 12710150  |        | 1000     |
| 37300  | 1000     | 2.5  | 14  | 12710250  |        | 1000     |
| 37310  | 500      | 4    | 12  | 12910400  |        | 1000     |
| 37520  | 100      | 16   | 6   | 1218116   |        | 250      |
| 37530  | 100      | 25   | 4   | 1218125   |        | 100      |
| 37930  | 500      | 10   | 8   | 1218110   |        | 500      |
| 49250  | 500      | 16   | 6   | 1212116   |        | 250      |
| 54250  | 1000     | 0.75 | 20  | 121010075 |        | 1000     |
| 900405 | 1000     | 0.5  | 20  | 121010050 |        | 1000     |
| 900406 | 1000     | 1.5  | 16  | 121210150 |        | 1000     |
| 900407 | 1000     | 1.5  | 16  | 121810150 |        | 1000     |
| 900408 | 1000     | 2.5  | 14  | 121010250 |        | 1000     |
| 900409 | 1000     | 2.5  | 14  | 121810250 |        | 1000     |
| 900410 | 1000     | 4    | 12  | 121510400 |        | 1000     |
| 900411 | 1000     | 4    | 12  | 121810400 |        | 1000     |
| 900412 | 1000     | 6    | 10  | 121010600 |        | 1000     |
| 900413 | 1000     | 6    | 10  | 121810600 |        | 1000     |
| 900415 | 250      | 16   | 6   | 1225116   |        | 250      |
| 900416 | 250      | 16   | 6   | 1232116   |        | 250      |
| 900417 | 100      | 25   | 4   | 1225125   |        | 100      |
| 900418 | 100      | 25   | 4   | 1232125   |        | 100      |
| 900419 | 100      | 35   | 2   | 1225135   |        | 100      |
| 900420 | 100      | 35   | 2   | 1232135   |        | 100      |
| 900421 | 100      | 50   | 1   | 1218150   |        | 100      |
| 900422 | 100      | 50   | 1   | 1232150   |        | 100      |
| 901891 | 1000     | 0.25 | 26  | 12510025  |        | 1000     |
| 902588 | 100      | 50   | 1   | 1225150   |        | 100      |

## AMERICAN ELECTRICAL



## **WIRE FERRULE CRIMPING SOLUTIONS: HAND, PNEUMATIC AND AUTOMATIC TOOLS**

AMERICAN ELECTRICAL HAS A WIDE RANGE OF LOW COST, HIGH QUALITY HAND, PNEUMATIC AND AUTOMATIC TOOLS FOR CRIMPING WIRE FERRULES, STRIPPING AND CUTTING WIRE.

WE OFFER BOTH PNEUMATIC AND ELECTRICAL EQUIPMENT TO HELP COMBAT THE FATIGUE AND THE HIGH LABOR ASSOCIATED WITH CRIMPING WIRE FERRULES. OUR PNEUMATIC CRIMPERS COVER FROM 24 AWG TO 8 AWG AND COME IN A LIGHTWEIGHT HANDHELD OR “HANDSFREE” BENCH MODEL. THE CRIMP MAX OPERATES ON 120 VAC AND WILL STRIP AND CRIMP WIRES IN 1.5 SECONDS. IT WEIGHS ONLY 26 POUNDS, PORTABLE ENOUGH TO SUPPORT LOCATIONS AT THE FACTORY FLOOR AND RUGGED ENOUGH TO WITHSTAND IT.

ALL OF OUR TOOLS ARE MADE FROM THE HIGHEST QUALITY MATERIALS FOR LONGEVITY AND ACCURATE CRIMPING.





## WIRE FERRULE HAND CRIMPING TOOLS



### TRAP 24 - 10

TRAPEZOID CRIMPING  
WITH RATCHET, SIDE ENTRY  
RANGE: 24-10 AWG (0.25-6.0 MM<sup>2</sup>)  
FOR SINGLE CONDUCTOR FERRULES  
20-14 AWG (0.5-2.5 MM<sup>2</sup>) FOR  
TWIN FERRULES (TWO WIRES)  
LENGTH: 7.5 INCHES (190 MM)  
WEIGHT: 12.3 OUNCES (350 G)



### TRAP 26 - 10 F

TRAPEZOID CRIMPING  
WITH RATCHET, FRONT ENTRY  
UNIVERSAL DIE  
RANGE: 24-10 AWG (0.25-6.0 MM<sup>2</sup>)  
FOR SINGLE CONDUCTOR FERRULES  
20-14 AWG (0.5-2.5 MM<sup>2</sup>) FOR  
TWIN FERRULES (TWO WIRES)  
LENGTH: 8.7 INCHES (220 MM)  
WEIGHT: 15.1 OUNCES (430 G)



### TRAP 22 - 10

TRAPEZOID CRIMPING  
WITH RATCHET, SIDE ENTRY  
UNIVERSAL DIE  
RANGE: 22-10 AWG (0.5-6.0 MM<sup>2</sup>)  
FOR SINGLE CONDUCTOR FERRULES  
20-14 AWG (0.5-2.5 MM<sup>2</sup>) FOR  
LENGTH: 8.25 INCHES (209 MM)  
WEIGHT: 14.8 OUNCES (460 G)



### TRAP 8 - 4

TRAPEZOID CRIMPING  
WITH RATCHET, SIDE ENTRY  
RANGE: 8-4 AWG (10.0-25.0 MM<sup>2</sup>)  
LENGTH: 8.7 INCHES (220 MM)  
WEIGHT: 18.7 OUNCES (530 G)



### TRAP 2 - 1

TRAPEZOID CRIMPING  
WITH RATCHET, SIDE ENTRY  
RANGE: 2-1 AWG (35.0-50.0 MM<sup>2</sup>)  
LENGTH: 8.7 INCHES (220 MM)  
WEIGHT: 18.7 OUNCES (530 G)



### TRAP 8 - 1

TRAPEZOID CRIMPING  
WITH RATCHET, SIDE ENTRY  
RANGE: 8-1 AWG (10.0-50.0 MM<sup>2</sup>)  
FOR SINGLE CONDUCTOR FERRULES  
12-6 AWG (4.0-16.0 MM<sup>2</sup>) FOR  
TWIN FERRULES (TWO WIRES)  
LENGTH: 13.4 INCHES (340 MM)  
WEIGHT: 28.1 OUNCES (800 G)



## FERRULE CRIMPING TOOLS



### TRAP 24 - 14 L

TRAPEZOID CRIMPING

NO RATCHET, SIDE ENTRY

RANGE: 24-14 AWG (0.25-2.5 mm<sup>2</sup>)

LENGTH: 5.9 INCHES (150 MM)

WEIGHT: 5.6 OUNCES (160 G)



### IND 20 - 6 L

INDENT CRIMPING

NO RATCHET, SIDE ENTRY

RANGE: 20-6 AWG (0.5-16.0 mm<sup>2</sup>)

FOR SINGLE CONDUCTOR FERRULES

20-10 AWG (0.5-6.0 mm<sup>2</sup>)

FOR TWIN FERRULES

LENGTH: 9.1 INCHES (230 MM)

WEIGHT: 8.8 OUNCES (250 G)



### SQ 28 - 10

SQUARE CRIMPING

WITH RATCHET, SIDE ENTRY

UNIVERSAL DIE

RANGE: 28-8 AWG (0.25-6.0 mm<sup>2</sup>)

FOR SINGLE CONDUCTOR FERRULES

20-14 AWG (0.5-2.5 mm<sup>2</sup>)

FOR TWIN FERRULES

LENGTH: 7.1 INCHES (180 MM)

WEIGHT: 13.7 OUNCES (390 G)



### TRAP 12 - 8 TW

TRAPEZOID CRIMPING

WITH RATCHET, SIDE ENTRY

FOR TWIN FERRULES

RANGE: 12-8 AWG (4.0-10.0 mm<sup>2</sup>)

LENGTH: 8.7 INCHES (220 MM)

WEIGHT: 18.7 OUNCES (530 G)



### STCR 20-14

STRIP FERRULE STRIPPER & CRIMPER

TRAPEZOID CRIMPER

CRIMPS STRIP FERRULES

0.5 - 2.5 mm<sup>2</sup>

20 - 14 AWG

EASILY STRIPS CABLES

CABLE CUTTER LOCATED ON TOP

## CABLE STRIPPER



### STRIP 28 - 10

WIRE INSULATION STRIPPER  
WITH WIRE CUTTER

RANGE: 28-10 AWG (0.08-6.0 MM<sup>2</sup>)  
LENGTH: 8.1 INCHES (205 MM)  
WEIGHT: 7.0 OUNCES (200 G)

## CABLE CUTTER



### CUT 6

CABLE CUTTER

RANGE: 6 AWG (16.0 MM<sup>2</sup>) MAXIMUM  
LENGTH: 6.5 INCHES (165 MM)  
WEIGHT: 4.2 OUNCES (120 G)

## CRIMPING TOOL FOR WIRE LUGS



### LUG 20 - 10

CRIMPING TOOL  
FOR INSULATED WIRE LUGS

RANGE: 20-10 AWG (0.5-6.0 MM<sup>2</sup>)  
LENGTH: 8.7 INCHES (220MM)  
WEIGHT: 18.3 OUNCES (520 G)

## FERRULE CRIMPER FOR LARGE WIRES



### VICE 70150

TRAPEZOID VICE CRIMPER  
CRIMPS FERRULES

70-150 MM<sup>2</sup>  
1/0 AWG - 300 MCM

FITS STANDARD BENCH MOUNTED VICE  
SPRING LOADED FOR EASY RETRACTION  
COMPOSED OF STAINLESS STEEL  
FOUR INDIVIDUAL DIES





## CRIMP-MAX MC 25

### AUTOMATIC FERRULE

### STRIPPING & CRIMPING MACHINE FOR 20 AWG TO 14 AWG WIRES



#### YOUR EFFICIENT HELPER FOR STRIPPING & CRIMPING INSULATED WIRE FERRULES

- THE MC 25 AT 26 POUNDS (12 KG) IS A VERY LIGHT MACHINE. IT CAN BE EASILY TRANSPORTED TO VARIOUS WORK STATIONS.
- IT DOES NOT REQUIRE PRESSURIZED AIR, BUT ONLY A 120 V STANDARD POWER CONNECTION.
- IT TAKES ONLY 1.5 SECONDS TO STRIP AND CRIMP THE INDIVIDUAL WIRES.
- THE MC 25 PROCESSES WIRE FERRULE SIZES 20 AWG TO 14 AWG (0.5 TO 2.5 SQUARE MILLIMETERS) IN THE STANDARD LENGTH OF 8 MM.
- YOU CAN CHANGE THE CRIMP MECHANISM FOR THE SIZE OF THE FERRULES IN A MATTER OF SECONDS WITHOUT ANY ADDITIONAL TOOLS - SIMPLY SNAP IT IN AND IT IS READY TO GO.
- ALL THE CRIMP MECHANISMS NECESSARY ARE CLEARLY LAID OUT IN THE CASE PROVIDED.
- AN ADVANCED MICROPROCESSOR-CONTROLLED CAM DRIVE ENSURES RELIABLE OPERATION.
- THE WIRE FERRULES IN REEL FORM ARE FED VIA A DISPENSER FITTED TO THE RIGHT SIDE OF THE MACHINE FOR EASY HANDS FREE OPERATION.
- THE INSULATED FERRULES USED FOR THIS MACHINE COME IN 1000 PIECE OR 500 PIECE REELS (TAPED MOUNTED) PACKAGED IN A COMPACT CARDBOARD CASE AND ARE FED INTO THE MACHINE AUTOMATICALLY.
- THE MACHINE HAS AN INTEGRAL REEL HOLDER WHICH KEEPS THE FERRULES IN PLACE DURING OPERATION.
- VIDEO OF OPERATION AVAILABLE AT [WWW.AMERICANELECTRICAL.COM](http://WWW.AMERICANELECTRICAL.COM).
- ONE YEAR WARRANTY—MUST USE AEI FERRULES. (BLADES AND NORMAL WEAR AND TEAR NOT COVERED.)

#### MC 25 TECHNICAL DATA

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| POWER SUPPLY:             | 120 VAC / 60 HZ                                   |
| POWER CONSUMPTION:        | 80 VA                                             |
| OPERATING RANGE:          | 20 - 14 AWG (0.5 - 2.5 MM <sup>2</sup> )          |
| WIRE FERRULES:            | IN ACCORDANCE WITH DIN 46 228 PART 4 TAPE MOUNTED |
| CRIMP TYPE:               | TRAPEZOIDAL                                       |
| CYCLE:                    | 1.5 SECONDS, APPROXIMATELY                        |
| CONTROL:                  | MICROPROCESSOR-CONTROLLED CAM DRIVE               |
| UNIT COUNTER:             | LCD DISPLAY                                       |
| CHANGING CRIMP MECHANISM: | UNDER 10 SECONDS                                  |
| DIMENSIONS (W X H X D):   | 6.5 X 10.6 X 12.6 INCHES (165 X 270 X 320 MM)     |
| WEIGHT:                   | 26 POUNDS (12 KG)                                 |

## WIRE FERRULES ON REELS

### FOR USE WITH MC 25

| SIZE<br>MM <sup>2</sup> | LENGTH<br>MM | PART<br>NO. | COLOR<br>CODE<br>DIN | PART<br>NO. | COLOR<br>CODE<br>T | PART<br>NO. | COLOR<br>CODE<br>W | PIECES<br>PER<br>BOX |
|-------------------------|--------------|-------------|----------------------|-------------|--------------------|-------------|--------------------|----------------------|
| 0.50                    | 8            | MC1050      | WHITE                | MC3050      | WHITE              | MC2050      | ORANGE             | 1000                 |
| 0.75                    | 8            | MC1075      | GREY                 | MC3075      | BLUE               | MC2075      | WHITE              | 1000                 |
| 1.00                    | 8            | MC1100      | RED                  | MC3100      | RED                | MC2100      | YELLOW             | 1000                 |
| 1.50                    | 8            | MC1150      | BLACK                | MC3150      | BLACK              | MC2150      | RED                | 1000                 |
| 2.50                    | 8            | MC1250      | BLUE                 | MC3250      | GREY               | MC2250      | BLUE               | 500                  |

## MC 40

### AUTOMATIC PROCESSING OF WIRE FERRULES



#### MC 40 TECHNICAL DATA

|                           |                                                |
|---------------------------|------------------------------------------------|
| CROSS-SECTION             | 0.5 – 1.5 MM <sup>2</sup>                      |
| CYCLE TIME                | 1 S                                            |
| CRIMP LENGTH              | 8 MM                                           |
| POWER SUPPLY              | 230V / 50HZ (115V / 60HZ)                      |
| COMPRESSED AIR CONNECTION | 60-90 PSI                                      |
| DIMENSIONS (L X W X H)    | 15.9 X 9.5 X 19.29 INCHES (405 X 240 X 490 MM) |
| WEIGHT                    | 63.9 POUNDS (29 KG)                            |

\* OPTIONAL ADD-ON KIT FOR PROCESSING CROSS-SECTIONS OF .25, .34, 2.5, & 4 MM<sup>2</sup>

## MC 40L

### EFFICIENT PROCESSING OF WIRE FERRULES



#### MC 40L TECHNICAL DATA

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| CROSS-SECTION             | 4 / 6 / 10 MM <sup>2</sup>                                   |
| CYCLE TIME                | 1.5 S                                                        |
| CRIMP LENGTH              | 10 MM (4 & 6 MM <sup>2</sup> ) & 12 MM (10 MM <sup>2</sup> ) |
| POWER SUPPLY              | 230V / 50HZ (115V / 60HZ)                                    |
| COMPRESSED AIR CONNECTION | 60-90 PSI                                                    |
| DIMENSIONS (L X W X H)    | 15.9 X 9.5 X 19.29 INCHES (405 X 240 X 490 MM)               |
| WEIGHT                    | 63.9 POUNDS (29 KG)                                          |

## CS 60

### WIRE STRIPPER



#### CS 60 TECHNICAL DATA

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| WORKING CROSS-SECTION             | 0.08 – 6 MM <sup>2</sup> / AWG 32 – 10           |
| MAX. CABLE DIAMETER               | 6 MM                                             |
| STRIPPING LENGTH                  | 3 – 20 MM                                        |
| PARTIAL STRIPPING LENGTH          | 2 – 20 MM                                        |
| FEED-IN LENGTH + STRIPPING LENGTH | 15 MM + X                                        |
| CYCLE TIME (FULL STRIP)           | 0.3 SEC                                          |
| STRIPPING BLADE                   | V – FORM                                         |
| POWER SUPPLY                      | 230V / 50HZ (115V / 60 HZ)                       |
| DIMENSIONS (L X W X H)            | 14.29 X 5.5 X 8.7 INCHES<br>(363 X 141 X 221 MM) |
| WEIGHT                            | 21 POUNDS (9.5 KG)                               |

## EC 65

### ELECTRIC CRIMPER



#### EC 65 TECHNICAL DATA

|                        |                                              |
|------------------------|----------------------------------------------|
| MAX. PRESS CAPACITY    | 10 KN                                        |
| CYCLE TIME             | 1 S                                          |
| POWER SUPPLY           | 230V / 50HZ (115V / 60HZ)                    |
| POWER CONSUMPTION      | 160 VA                                       |
| WEIGHT                 | 22 POUNDS (10 KG)                            |
| DIMENSIONS (L X W X H) | 12.5 X 8.6 X 5.5 INCHES (320 X 220 X 140 MM) |





## PNEUMATIC CRIMPERS



### FEATURES

HAND AND BENCH MODELS AVAILABLE  
CRIMPING RANGE 24-8 AWG  
OPERATES WITH PRESSURIZED AIR  
EASY TO USE AND PORTABLE

### PC 24 - 14 B

BENCH-CRIMPER - COMPLETE WITH PNEUMATIC FOOT PEDAL  
TRAPEZOID CRIMPING  
SIDE AND FRONT INSERTION  
UNIVERSAL - DIE  
RANGE 24-14 AWG (0.25-2.50 MM<sup>2</sup>)

|           |                      |
|-----------|----------------------|
| LENGTH:   | 7.9 INCHES (200 MM)  |
| WEIGHT:   | 35.2 OUNCES (1000 G) |
| PRESSURE: | 58 PSI (4 BAR)       |

### PC 24 - 14 H

HAND-CRIMPER  
TRAPEZOID CRIMPING  
SIDE AND FRONT INSERTION  
UNIVERSAL - DIE  
RANGE 24-14 AWG (0.25-2.50 MM<sup>2</sup>)

|           |                      |
|-----------|----------------------|
| LENGTH:   | 7.9 INCHES (200 MM)  |
| WEIGHT:   | 35.2 OUNCES (1000 G) |
| PRESSURE: | 58 PSI (4 BAR)       |

### PC 12 - 8 B

BENCH-CRIMPER - COMPLETE WITH PNEUMATIC FOOT PEDAL  
TRAPEZOID CRIMPING  
SIDE ENTRY  
RANGE 12-8 AWG (4-10 MM<sup>2</sup>)

|           |                     |
|-----------|---------------------|
| LENGTH:   | 7.9 INCHES (200 MM) |
| WEIGHT:   | 15.1 OUNCES (430 G) |
| PRESSURE: | 58 PSI (4 BAR)      |

### PC 12 - 8 H

HAND-CRIMPER  
TRAPEZOID CRIMPING  
SIDE ENTRY  
RANGE 12-8 AWG (4-10 MM<sup>2</sup>)

|           |                     |
|-----------|---------------------|
| LENGTH:   | 7.9 INCHES (200 MM) |
| WEIGHT:   | 15.1 OUNCES (430 G) |
| PRESSURE: | 58 PSI (4 BAR)      |

### ACCESSORY EQUIPMENT:

|        |                      |
|--------|----------------------|
| PC - 1 | BALANCER             |
| PC - 2 | MAGNETIC TOOL HOLDER |

### LC 100, AUTOMATIC WIRE CUTTER

#### FEATURES

CUTS 28 – 8 AWG WIRES  
WEIGHS ONLY 25 LBS.  
1 YEAR WARRANTY  
FULLY PROGRAMMABLE, LENGTH AND NUMBER OF CUTS

#### TECHNICAL DATA

|                       |                                         |
|-----------------------|-----------------------------------------|
| DIMENSIONS            | 7.6 x 11.8 x 8.9"                       |
| WEIGHT                | 24.3 POUNDS                             |
| CUTTING CAPACITY      |                                         |
| FINE WIRE             | 0.08 – 10 MM <sup>2</sup> , 28 – 8 AWG  |
| SINGLE WIRE           | 0.08 – 2.5 MM <sup>2</sup> , 28 – 8 AWG |
| MAX DIAMETER          | 8 MM                                    |
| FEED SPEED            | MAX 0.5 M/S, 20"/SECOND                 |
| UNIT OF MEASURE       | MM AND INCHES                           |
| INTERFACE             | RS232                                   |
| CROSS SECTION SETTING | AUTOMATIC                               |





## DIN RAIL

WE OFFER A COMPLETE LINE OF SLOTTED OR SOLID DIN RAIL – 35MM X 15MM, 35MM X 7.5MM) IN 1 OR 2 METER LENGTHS. DIN RAIL MOUNTS IN A VARIETY OF ENCLOSURES AND JUNCTION BOXES.

DIN RAIL SAVES SPACE SINCE IT ORGANIZES TERMINALS IN A SET PATTERN. DIN RAIL SAVES TIME SINCE MANY OTHER CONTROL COMPONENTS CAN BE MOUNTED ON THE SAME RAIL – NO COMPONENTS ARE DIRECT MOUNTED – ULTIMATELY SAVING OUR CUSTOMERS MONEY.

OUR DIN RAIL IS MADE OF STEEL AND ZINC PLATED FINISH, WHICH IS THE INDUSTRY STANDARD AND ALSO ROHS COMPLIANT. AS ALWAYS, OUR RAILS ARE NOT MARKED WITH A COMPANY NAME AND ARE CE APPROVED.





# DIN RAIL STEEL

## FEATURES

STEEL DESIGN  
ZINC PLATING, WHITE  
2 METER LENGTH  
COMPETITIVE PRICING

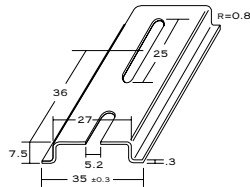
INDUSTRY STANDARD MATERIALS  
CE APPROVED  
NO MARKINGS ON RAIL



## SLOTTED



35 MM X 7.5 MM  
SLOTTED  
STANDARD PACK: 40

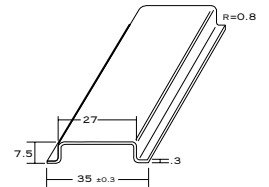


**TS3575SL**  
**TS3575SL1**

## SOLID



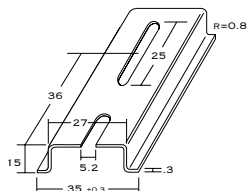
35 MM X 7.5 MM  
SOLID  
STANDARD PACK: 40



**TS3575SOL**



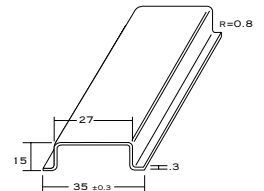
35 MM X 15 MM  
SLOTTED  
STANDARD PACK: 20



**TS3515SL**



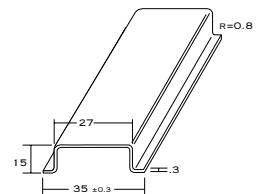
35 MM X 15 MM  
SOLID  
STANDARD PACK: 20



**TS3515SOL**



35 MM X 15 MM  
SOLID  
STANDARD PACK: 20



**TS3515SOLH**

## DIN RAIL CROSS REFERENCE

| AMERICAN ELECTRICAL | TS3575SL       | TS3575SOL      | TS3515SL       | TS3515SOL      | TS3515SOLH     |
|---------------------|----------------|----------------|----------------|----------------|----------------|
| ENTRELEC            | 173220.05      | 174300.17      | 101598.26      | 168700.22      | 168500.12      |
| PHOENIX CONTACT     | 801733         | 801681         | 1201730        | 1201717        | —              |
| WAGO                | 210-112        | 210-113        | 210-197        | 210-114        | 210-118        |
| WEIDMULLER          | 51450          | 38340          | 23650          | 23640          | 49800          |
| WIELAND             | 98.300.10000.0 | 98.300.10000.0 | 98.300.10000.0 | 98.300.10000.0 | 98.300.10000.0 |



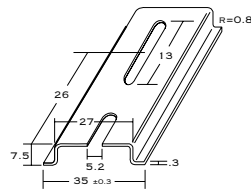
## DIN RAIL ALUMINUM

### FEATURES

LIGHTWEIGHT ALUMINUM  
1 METER LENGTH  
COMPETITIVE PRICING

STANDARD PACK OF 40  
NO MARKINGS ON RAIL

35 MM X 7.5 MM  
SLOTTED  
STANDARD PACK: 40



**TS3575SL1-A**

## DIN RAIL CUTTER

### TS 3 CUT

#### FEATURES

CUTS 35X15, 35X7.5 AND 15MM DIN RAIL  
NO DEBURRING NECESSARY. CLEAN CUTS  
LITTLE FORCE REQUIRED FOR OPERATION  
FAST, ACCURATE CUTS  
INTEGRATED 1 METER MEASURING STICK INCLUDED



#### TECHNICAL DATA

LENGTH STOP: MAX. 1000 MM  
DIMENSIONS: 1090 (L) X 150 (W) X 760 (D) MM  
43 (L) X 6 (W) X 30 (D) INCHES  
WEIGHT: 18 LBS, 8.3 KG





## DIN RAIL MOUNTED POWER SUPPLIES

AMERICAN ELECTRICAL HAS TWO LINES OF DIN RAIL POWER SUPPLIES TO CHOOSE FROM. ALL ARE 120VAC IN AND 24VDC OUT (OTHER VOLTAGE OUTPUTS MAY BE ORDERED, PLEASE CALL US). WE ALSO HAVE 3-PHASE POWER SUPPLIES UP TO 480VAC IN AND 24VDC OUT.

ALL POWER SUPPLIES ARE UL LISTED AND EMI/RFI APPROVED.





### 45 WATTS, 1.875 AMPS, 24VDC

#### FEATURES

UL508 LISTED  
INSTALLS EASILY ON DIN RAIL TS35 x 7.5 AND 15MM  
FIXED SWITCHING FREQUENCY AT 100KHZ  
LED POWER ON INDICATOR  
FREE AIR CONVECTION COOLING  
100% FULL LOAD BURN-IN TEST  
1 YEAR WARRANTY

#### TECHNICAL DATA

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| PART NUMBER               | <b>DR-45-24</b>                                                         |
| AC INPUT VOLTAGE RANGE    | 85 – 265VAC; 120-370VDC                                                 |
| DC ADJUSTMENT RANGE       | ±10% RATED OUTPUT VOLTAGE                                               |
| OVER LOAD PROTECTION      | 105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY                    |
| OVER VOLTAGE PROTECTION   | 115% - 135% RATED OUTPUT VOLTAGE                                        |
| SETUP, RISE, HOLD UP TIME | 800MS, 60MS, 50MS AT FULL LOAD AND 230VAC                               |
| WITHSTAND VOLTAGE         | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE                                 |
| WORKING TEMPERATURE       | 0 - 45°C@100%, -10°C@80%, 50°C@80% LOAD                                 |
| SAFETY STANDARDS          | UL508, TUV EN60950 1 APPROVED                                           |
| EMC STANDARDS             | EN55022 CLASS B, EN61000-3-2,3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 |
| ENV50204                  |                                                                         |
| CONNECTION                | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                           |
| DIMENSIONS                | 78 X 93 X 67MM                                                          |



### 75 WATTS, 3.125 AMPS, 24VDC

#### FEATURES

UL508 LISTED  
INSTALLS EASILY ON DIN RAIL TS35 x 7.5 AND 15MM  
FIXED SWITCHING FREQUENCY AT 50KHZ  
LED POWER ON INDICATOR  
FREE AIR CONVECTION COOLING  
100% FULL LOAD BURN-IN TEST  
1 YEAR WARRANTY

#### TECHNICAL DATA

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| PART NUMBER               | <b>DR-75-24</b>                                                         |
| AC INPUT VOLTAGE RANGE    | 85 – 265VAC; 120-370VDC                                                 |
| DC ADJUSTMENT RANGE       | 12V: 12-14V, 24V: 24-28V, 48V: 48-53V                                   |
| OVER LOAD PROTECTION      | 105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY                    |
| OVER VOLTAGE PROTECTION   | 121% - 142% RATED OUTPUT VOLTAGE                                        |
| SETUP, RISE, HOLD UP TIME | 1000MS, 60MS, 50MS AT FULL LOAD AND 230VAC                              |
| WITHSTAND VOLTAGE         | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE                                 |
| WORKING TEMPERATURE       | -10°C – 60°C                                                            |
| SAFETY STANDARDS          | UL508, TUV EN60950 1 APPROVED                                           |
| EMC STANDARDS             | EN55022 CLASS B, EN61000-3-2,3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 |
| ENV50204                  |                                                                         |
| CONNECTION                | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                           |
| DIMENSIONS                | 55.5 X 125.2 X 100MM                                                    |





## 120 WATTS, 5 AMPS, 24VDC

### FEATURES

AC INPUT SELECTED BY SWITCH  
 INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM  
 FIXED SWITCHING FREQUENCY AT 55KHZ  
 LED POWER ON INDICATOR  
 FREE AIR CONVECTION COOLING  
 100% FULL LOAD BURN-IN TEST  
 1 YEAR WARRANTY

### TECHNICAL DATA

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| PART NUMBER               | <b>DR-120-24</b>                                                        |
| AC INPUT VOLTAGE RANGE    | 88 – 132VAC; 176 - 264VAC SELECTED BY SWITCH                            |
| DC ADJUSTMENT RANGE       | 12V: 12-14V, 24V: 24-28V, 48V: 48-53V                                   |
| OVER LOAD PROTECTION      | 105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY                    |
| OVER VOLTAGE PROTECTION   | 120% - 140% RATED OUTPUT VOLTAGE                                        |
| SETUP, RISE, HOLD UP TIME | 500MS, 70MS, 30MS AT FULL LOAD AND 230VAC                               |
| WITHSTAND VOLTAGE         | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE                                 |
| WORKING TEMPERATURE       | -10°C – 60°C                                                            |
| SAFETY STANDARDS          | UL508, UL60950-1, TUV EN60950 1 APPROVED                                |
| EMC STANDARDS             | EN55022 CLASS B, EN61000-3-2,3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 |
| ENV50204                  |                                                                         |
| CONNECTION                | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                           |
| DIMENSIONS                | 65.5 X 125.2 X 100MM                                                    |



## 240 WATTS, 10 AMPS, 24VDC

### FEATURES

- UNIVERSAL AC INPUT/FULL RANGE
- PF>0.98@115VAC, >0.95@230VAC
- INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
- FIXED SWITCHING FREQUENCY AT 100KHZ
- LED POWER ON INDICATOR
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY

### TECHNICAL DATA

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| PART NUMBER               | <b>DRP-240-24</b>                                                       |
| AC INPUT VOLTAGE RANGE    | 85 – 264VAC; 120 – 370VDC                                               |
| DC ADJUSTMENT RANGE       | 24V: 24-28V                                                             |
| OVER LOAD PROTECTION      | 105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY                    |
| OVER VOLTAGE PROTECTION   | 30 – 36V                                                                |
| SETUP, RISE, HOLD UP TIME | 800MS, 40MS, 20MS AT FULL LOAD AND 230VAC                               |
| WITHSTAND VOLTAGE         | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE                                 |
| WORKING TEMPERATURE       | -10°C – 55°C@100%, 70°C@60% LOAD                                        |
| SAFETY STANDARDS          | UL508, UL60950-1, TUV EN60950 1 APPROVED                                |
| EMC STANDARDS             | EN55022 CLASS B, EN61000-3-2,3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 |
| ENV50204                  |                                                                         |
| CONNECTION                | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                           |
| DIMENSIONS                | 125.5 X 125.2 X 100MM                                                   |



## DIN RAIL MOUNTED POWER SUPPLIES

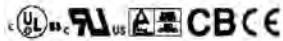
### 240 WATTS THREE PHASE, 10 AMPS, 24VDC

#### FEATURES

INPUT 340-550VAC, 3 PHASE 4 WIRES  
HIGH EFFICIENCY AND LOW DISSIPATION  
INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM  
EN61000-6-2 INDUSTRIAL IMMUNITY LEVEL  
FREE AIR CONVECTION COOLING  
100% FULL LOAD BURN-IN TEST  
1 YEAR WARRANTY

#### TECHNICAL DATA

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| PART NUMBER             | <b>DRT-240-24</b>                                                                              |
| AC INPUT VOLTAGE RANGE  | 340 – 550VAC; 3 PHASE 4 WIRES<br>(DUAL OPERATION POSSIBLE)                                     |
| DC ADJUSTMENT RANGE     | 24V: 24-28V                                                                                    |
| OVER LOAD PROTECTION    | 105% - 150% CONSTANT CURRENT LIMITING,<br>AUTO RECOVERY                                        |
| OVER VOLTAGE PROTECTION | 30 – 36V                                                                                       |
| OVER TEMP. PROTECTION   | SHUT DOWN OUTPUT VOLTAGE, RECOVERS AUTO                                                        |
| WITHSTAND VOLTAGE       | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE                                                        |
| WORKING TEMPERATURE     | -20°C – 70°C                                                                                   |
| SAFETY STANDARDS        | UL508, UL60950-1, TUV EN60950 1 APPROVED                                                       |
| EMC STANDARDS           | EN55022 CLASS B, EN61000-3-2,3, EN61204-3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11<br>ENV50204 |
| CONNECTION              | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                                                  |
| DIMENSIONS              | 125.5 X 125.2 X 100MM                                                                          |



### 480 WATTS THREE PHASE, 20 AMPS, 24VDC

#### FEATURES

INPUT 340-550VAC, 3 PHASE 4 WIRES  
HIGH EFFICIENCY UP TO 90%  
INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM  
EN61000-6-2 INDUSTRIAL IMMUNITY LEVEL  
FREE AIR CONVECTION COOLING  
100% FULL LOAD BURN-IN TEST  
1 YEAR WARRANTY

#### TECHNICAL DATA

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| PART NUMBER             | <b>DRT-480-24</b>                                                                              |
| AC INPUT VOLTAGE RANGE  | 340 – 550VAC; 3 PHASE 4 WIRES<br>(DUAL OPERATION POSSIBLE)                                     |
| DC ADJUSTMENT RANGE     | 24V: 24-28V                                                                                    |
| OVER LOAD PROTECTION    | 105% - 150% CONSTANT CURRENT LIMITING,<br>AUTO RECOVERY                                        |
| OVER VOLTAGE PROTECTION | 30 – 36V, AC RECYCLE TO RESTART                                                                |
| OVER TEMP. PROTECTION   | SHUT DOWN OUTPUT VOLTAGE, RECOVERS AUTO                                                        |
| WITHSTAND VOLTAGE       | I/P-O/P:3KVAC, I/P-FG:1.5KVAC,<br>O/P-FG: 0.5KVAC, 1 MINUTE                                    |
| WORKING TEMPERATURE     | -20°C – 70°C                                                                                   |
| SAFETY STANDARDS        | UL508, UL60950-1, TUV EN60950 1 APPROVED                                                       |
| EMC STANDARDS           | EN55022 CLASS B, EN61000-3-2,3, EN61204-3<br>EN61000-6-2, EN61000-4-2,3,4,5,6,8,11<br>ENV50204 |
| CONNECTION              | I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL                                                  |
| DIMENSIONS              | 227 X 125.2 X 100MM                                                                            |





## FEATURES

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| WIDE RANGE                      | COMPACT HOUSING<br>20A, 3PH ONLY 3.39 INCHES LONG                                                             |
| OUTPUT                          | HORIZONTAL MOUNTING UP TO 40A, 3 PHASE<br>24V / 1.25 TO 20A - SINGLE PHASE<br>24V / 10, 20, AND 40A - 3 PHASE |
| UNIVERSAL INPUT                 | 115 / 230 VAC<br>3 X 340 / 550 VAC                                                                            |
| LOAD SHARING                    | PARALLEL OPERATION<br>REDUNDANCY                                                                              |
| HIGH EFFICIENCY                 | TYPICAL 90%                                                                                                   |
| INCREASED OPERATING TEMPERATURE | 100% AT 140°F                                                                                                 |
| STATUS INDICATION               | POWER ON INDICATION<br>OVERLOAD STATUS LED                                                                    |
| TOUCH SAFE POWER ENTRY          | COVERED POWER ENTRY<br>CONVENIENT CUSTOMER INPUT TERMINALS                                                    |
| APPROVALS                       | UL / CSA AND EN 60950<br>EMC CERTIFIED                                                                        |



## 30 WATTS, 1.25 AMPS, 24VDC

### TECHNICAL DATA SLIMLINE

|                       |                     |
|-----------------------|---------------------|
| PART NUMBER           | <b>F2400125</b>     |
| AC INPUT VOLTAGE      | 115*/230            |
| PHASE                 | 1                   |
| DC OUTPUT VOLTAGE     | 24                  |
| OUTPUT CURRENT (AMPS) | 1.25                |
| POWER (WATTS)         | 30                  |
| DIMENSIONS (INCHES)   | 1.77 X 12.83 X 4.13 |



## 120 WATTS, 5 AMPS, 24VDC

### TECHNICAL DATA SLIMLINE

|                       |                   |
|-----------------------|-------------------|
| PART NUMBER           | <b>F240050S</b>   |
| AC INPUT VOLTAGE      | 115*/230          |
| PHASE                 | 1                 |
| DC OUTPUT VOLTAGE     | 24                |
| OUTPUT CURRENT (AMPS) | 5                 |
| POWER (WATTS)         | 120               |
| DIMENSIONS (INCHES)   | 2.76 X 5.2 X 5.47 |



## 240 WATTS, 10 AMPS, 24VDC

### TECHNICAL DATA SLIMLINE

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24010S</b>     |
| AC INPUT VOLTAGE      | 115*/230           |
| PHASE                 | 1                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 10                 |
| POWER (WATTS)         | 240                |
| DIMENSIONS (INCHES)   | 2.76 X 5.81 X 6.46 |



\* INDICATES STANDARD VOLTAGE INPUTS



## DIN RAIL MOUNTED POWER SUPPLIES

### 240 WATTS, 10 AMPS, 24VDC

#### TECHNICAL DATA SLIMLINE 3 PHASE

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24010S-3</b>   |
| AC INPUT VOLTAGE      | 3x 340-550         |
| PHASE                 | 3                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 10                 |
| POWER (WATTS)         | 240                |
| DIMENSIONS (INCHES)   | 3.18 X 6.02 X 6.29 |



### 480 WATTS, 20 AMPS, 24VDC

#### TECHNICAL DATA SLIMLINE 3 PHASE

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24020S-3</b>   |
| AC INPUT VOLTAGE      | 3x 340-550         |
| PHASE                 | 3                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 20                 |
| POWER (WATTS)         | 480                |
| DIMENSIONS (INCHES)   | 3.99 X 8.94 X 6.81 |



### 60 WATTS, 2.5 AMPS, 24VDC

#### TECHNICAL DATA HORIZONTAL

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F240025</b>     |
| AC INPUT VOLTAGE      | 115*/230           |
| PHASE                 | 1                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 2.5                |
| POWER (WATTS)         | 60                 |
| DIMENSIONS (INCHES)   | 4.25 X 4.84 X 2.56 |



### 120 WATTS, 5 AMPS, 24VDC

#### TECHNICAL DATA HORIZONTAL

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F240050</b>     |
| AC INPUT VOLTAGE      | 115*/230           |
| PHASE                 | 1                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 5                  |
| POWER (WATTS)         | 120                |
| DIMENSIONS (INCHES)   | 5.79 X 4.84 X 3.39 |



\* INDICATES STANDARD VOLTAGE INPUTS



## DIN RAIL MOUNTED POWER SUPPLIES



240 WATTS, 10 AMPS, 24VDC

### TECHNICAL DATA HORIZONTAL

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24010</b>      |
| AC INPUT VOLTAGE      | 115*/230           |
| PHASE                 | 1                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 10                 |
| POWER (WATTS)         | 240                |
| DIMENSIONS (INCHES)   | 8.07 X 4.84 X 3.39 |



480 WATTS, 20 AMPS, 24VDC

### TECHNICAL DATA HORIZONTAL

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24020</b>      |
| AC INPUT VOLTAGE      | 195-265            |
| PHASE                 | 1                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 20                 |
| POWER (WATTS)         | 480                |
| DIMENSIONS (INCHES)   | 9.45 X 6.02 X 3.39 |



480 WATTS, 20 AMPS, 24VDC

### TECHNICAL DATA HORIZONTAL 3 PHASE

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24020-3</b>    |
| AC INPUT VOLTAGE      | 3X 340-550         |
| PHASE                 | 3                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 20                 |
| POWER (WATTS)         | 480                |
| DIMENSIONS (INCHES)   | 9.45 X 6.02 X 3.39 |



960 WATTS, 40 AMPS, 24VDC

### TECHNICAL DATA HORIZONTAL 3 PHASE

|                       |                    |
|-----------------------|--------------------|
| PART NUMBER           | <b>F24040-3</b>    |
| AC INPUT VOLTAGE      | 3X 340-550         |
| PHASE                 | 3                  |
| DC OUTPUT VOLTAGE     | 24                 |
| OUTPUT CURRENT (AMPS) | 40                 |
| POWER (WATTS)         | 960                |
| DIMENSIONS (INCHES)   | 11.5 X 7.28 X 5.12 |

\* INDICATES STANDARD VOLTAGE INPUTS



## DIN RAIL MOUNTED GFCI



### DIN 120 GFCI

#### FEATURES

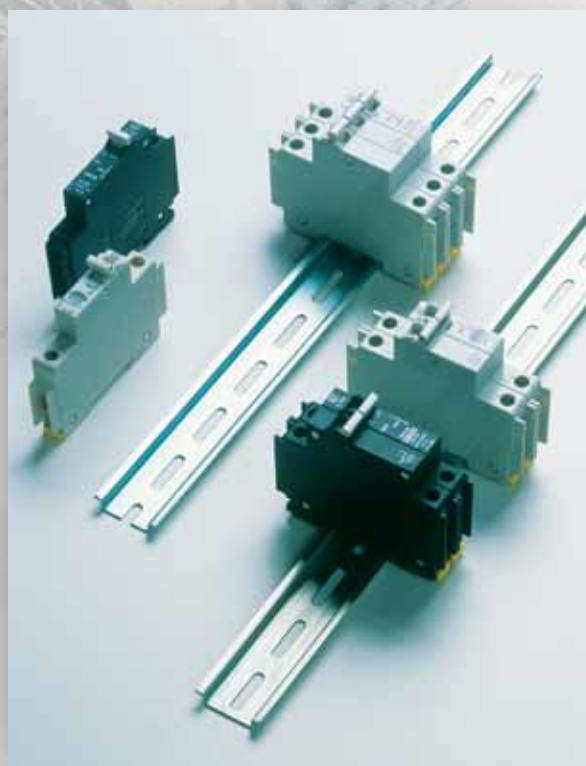
DUAL 120V AC RECEPTACLE, DIN RAIL MOUNTED  
3 FOOT, HOT/NEUTRAL/GROUND CABLE  
GREEN LED FOR POWER ON INDICATION  
CURRENT RATING, 20 A  
GROUND FAULT CIRCUIT PROTECTION WITH RESET  
DIN RAIL & DIRECT MOUNTABLE  
STANDARD RECEPTACLE SIZE  
ALL COMPONENTS UL APPROVED

## DIN RAIL MOUNTED CIRCUIT BREAKERS

AEI CARRIES A 13MM WIDE CIRCUIT BREAKER, THE THINNEST DIN RAIL MOUNTED ON THE MARKET. WE HAVE THREE TYPES OF BREAKERS. FOR AC CIRCUITRY WE HAVE UL 1077 AND UL 489 (UL LISTED) RATED BREAKERS. FOR DC CIRCUITS WE HAVE A UL 489 A RATED BREAKER.

POLE COUNT AND MAX. AMPERAGE IS GIVEN BELOW:

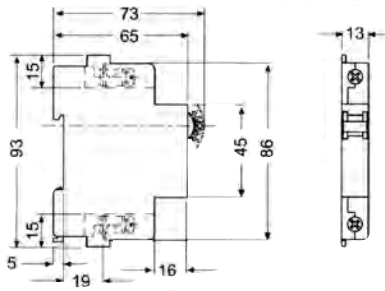
| CIRCUIT | TYPE     | MAX. POLES | MAX. AMPS |
|---------|----------|------------|-----------|
| AC      | UL 1077  | 3          | 50        |
| AC      | UL 489   | 2          | 25        |
| DC      | UL 489 A | 1          | 50        |





## DIN RAIL MOUNTED CIRCUIT BREAKERS

### UL 1077 RATED (AC VOLTAGE SUPPLEMENTAL CIRCUIT PROTECTION)



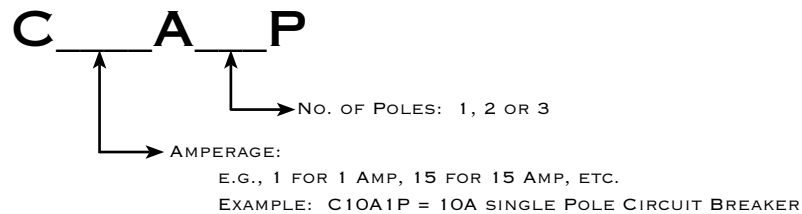
#### FEATURES

UL 1077 APPROVED  
DIN RAIL MOUNTED  
COMPACT 13 MM WIDTH  
ONE, TWO & THREE POLE  
CURRENT RATING UP TO 50 A  
100% RATING CAPABILITY  
HYDRAULIC-MAGNETIC TECHNOLOGY  
TRIP CURVE 2 STANDARD

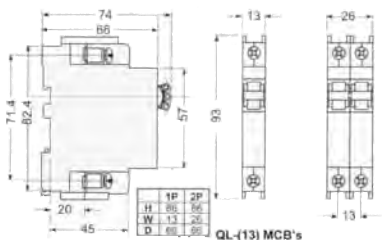
#### TECHNICAL DATA

|                       |                                              |
|-----------------------|----------------------------------------------|
| NUMBERS OF POLES      | 1, 2 & 3                                     |
| MAXIMUM VOLTAGE       | 277/480VAC 50/60 HZ                          |
| MINIMUM AMP RATING    | 1 AMP                                        |
| MAXIMUM AMP RATING    | 50 AMP                                       |
| INTERRUPTING CAP.     | 5000A @ 120V<br>1000A @ 277V<br>1000A @ 480V |
| DIELECTRIC STRENGTH   | 1960V 50/60 HZ                               |
| INSULATION RESISTANCE | 100 MEGA OHM                                 |
| OPERATING TEMP. RANGE | -40°C TO +60°C                               |

#### PART NUMBERING SYSTEM



### UL 489 RATED (AC VOLTAGE BRANCH CIRCUIT PROTECTION)



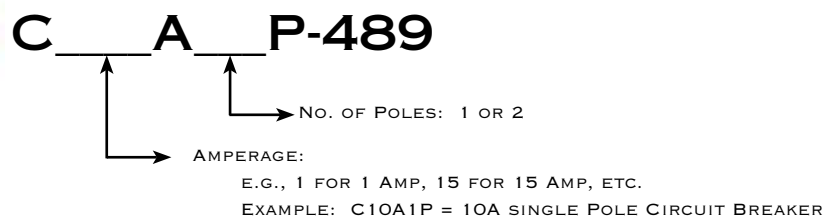
#### FEATURES

UL 489 APPROVED  
DIN RAIL MOUNTED  
COMPACT 13 MM WIDTH  
ONE & TWO POLE ONLY  
CURRENT RATING UP TO 25 A  
100% RATING CAPABILITY  
HYDRAULIC-MAGNETIC TECHNOLOGY  
TRIP CURVE KM STANDARD

#### TECHNICAL DATA

|                       |                     |
|-----------------------|---------------------|
| NUMBERS OF POLES      | 1 AND 2 POLE ONLY   |
| MAXIMUM VOLTAGE       | 120/240VAC 50/60 HZ |
| MINIMUM AMP RATING    | 1 AMP               |
| MAXIMUM AMP RATING    | 25 AMP              |
| INTERRUPTING CAP.     | 10,000 A            |
| DIELECTRIC STRENGTH   | 1500V 50/60 HZ      |
| INSULATION RESISTANCE | 100 MEGA OHM        |
| OPERATING TEMP. RANGE | -40°C TO +60°C      |

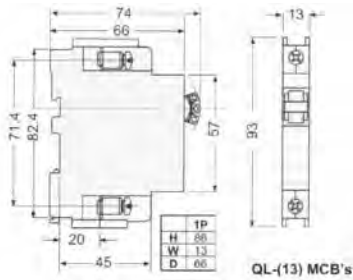
#### PART NUMBERING SYSTEM





## DIN RAIL MOUNTED CIRCUIT BREAKERS

### UL 489A RATED (DC VOLTAGE BRANCH CIRCUIT PROTECTION)



#### FEATURES

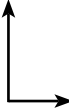
UL 489A  
DIN RAIL MOUNTED  
COMPACT 13 MM WIDTH  
ONE POLE ONLY  
CURRENT RATING UP TO 50 A  
100% RATING CAPABILITY  
HYDRAULIC-MAGNETIC TECHNOLOGY  
TRIP CURVE U2 STANDARD

#### TECHNICAL DATA

|                       |                |
|-----------------------|----------------|
| NUMBERS OF POLES      | 1 ONLY         |
| MAXIMUM VOLTAGE       | 80 VDC         |
| MINIMUM AMP RATING    | 1 AMP          |
| MAXIMUM AMP RATING    | 50 AMP         |
| INTERRUPTING CAP.     | 10,000A        |
| DIELECTRIC STRENGTH   | 1500V 50/60 Hz |
| INSULATION RESISTANCE | 100 MEGA OHM   |
| OPERATING TEMP. RANGE | -40°C TO +60°C |

#### PART NUMBERING SYSTEM

C A1P-80VDC



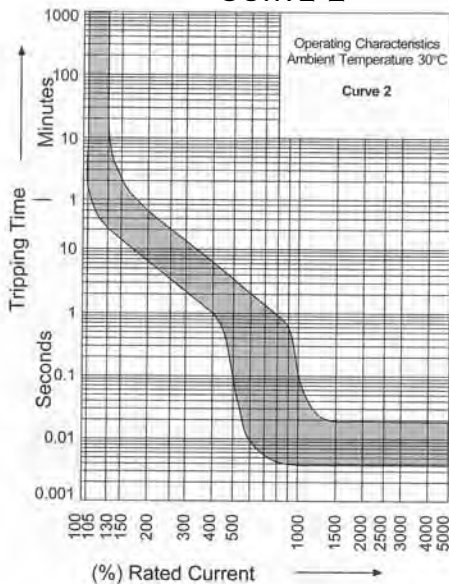
AMPERAGE:

E.G., 1 FOR 1 AMP, 15 FOR 15 AMP, ETC.

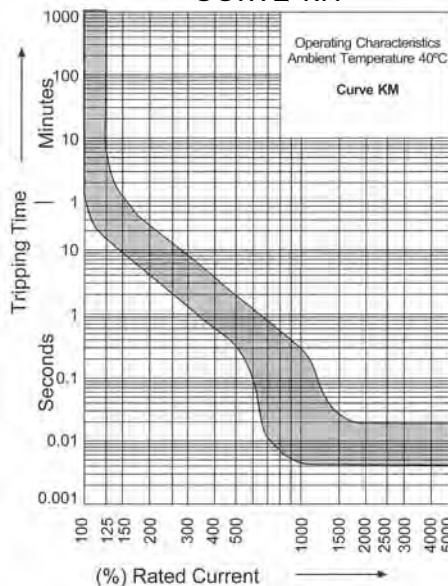
EXAMPLE: C10A1P-80VDC = 10A UL489A RATED CB

#### TRIP CURVE

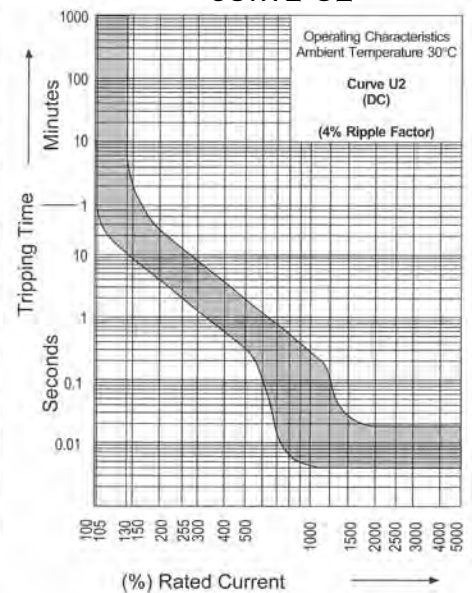
UL 1077 RATED  
CURVE 2



UL 489 RATED  
CURVE KM



UL 489A RATED  
CURVE U2



TRIP CURVE 3 AND TRIP CURVE 9 AVAILABLE AT [WWW.AMERICANELECTRICAL.COM](http://WWW.AMERICANELECTRICAL.COM).

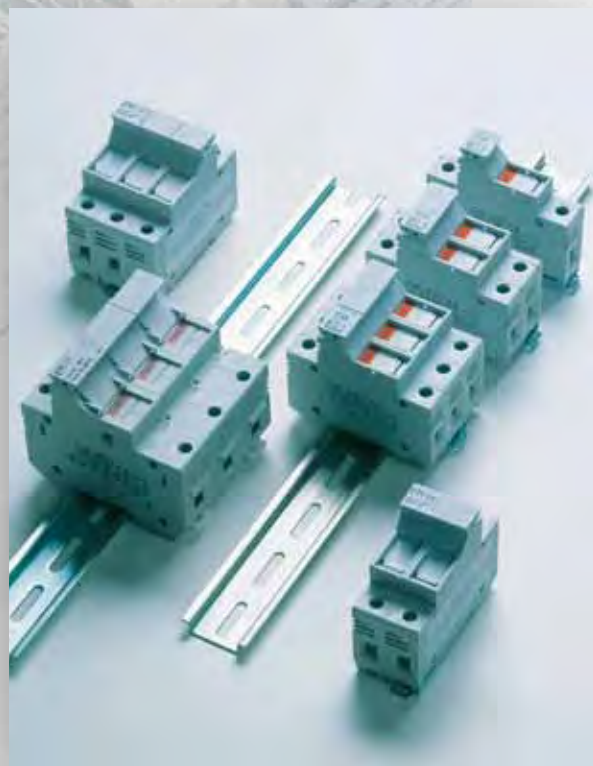


## DIN RAIL MOUNTED FUSE HOLDERS

APPLICATIONS REQUIRING CIRCUIT PROTECTION ARE OFTEN SPECIFIED WITH FUSES INSTEAD OF CIRCUIT BREAKERS. AEI OFFERS FUSE HOLDERS CAPABLE OF PROTECTING CIRCUITS UTILIZING THE FOUR MAIN STYLES OF FUSES:

- 5X20MM AND 5X25MM (SEE PAGES 44, 45, 46, 47, 86, 87)
- 1 1/4"X1/4" (SEE PAGES 48, 49, 88, 89)
- 1 1/2"X1 3/32" (SEE NEXT SECTION)
- 2"X1/2"(14X51MM) (SEE NEXT SECTION)

ALL OF THE ABOVE ARE AVAILABLE IN STANDARD FUSE BLOCKS OR WITH "FUSE BLOWN" INDICATION 24VDC AND 110VAC CIRCUITS.





## DIN RAIL MOUNTED FUSE HOLDERS

FOR 1.5" X 13/32" (10 X 38 MM) FUSES

**CLASS CC RATED**



**ASK 4**

### FEATURES

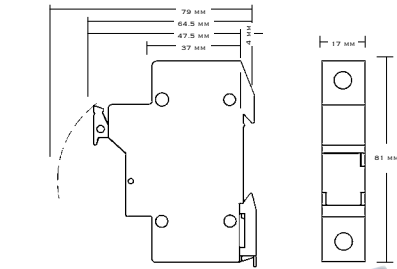
DIN RAIL MOUNTABLE  
BOTH INDICATING AND NON INDICATING AVAILABLE  
COMPACT AT 17MM WIDTH

### TECHNICAL DATA

|                  |          |
|------------------|----------|
| NUMBERS OF POLES | 1, 2 & 3 |
| VOLTAGE          | 50-600V  |
| AMPS             | 32 AMP   |
| WIRE SIZE AWG    | 26...6   |

### PART NUMBERING SYSTEM

| NO. OF POLES | INDICATOR TYPE | PART NUMBER    |
|--------------|----------------|----------------|
| 1            | NON-INDICATING | <b>2541000</b> |
| 2            | NON-INDICATING | <b>2543000</b> |
| 3            | NON-INDICATING | <b>2544000</b> |
| 1            | WITH INDICATOR | <b>2541100</b> |
| 2            | WITH INDICATOR | <b>2543100</b> |
| 3            | WITH INDICATOR | <b>2544100</b> |



## DIN RAIL MOUNTED FUSE HOLDERS

FOR 2" X 1/2" (14 X 51 MM) FUSES



**ASK 6**

### FEATURES

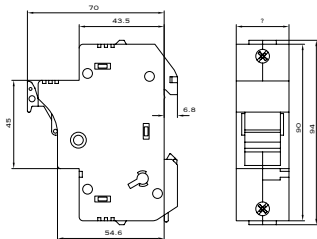
DIN RAIL MOUNTABLE  
BOTH INDICATING AND NON INDICATING AVAILABLE

### TECHNICAL DATA

|                  |          |
|------------------|----------|
| NUMBERS OF POLES | 1, 2 & 3 |
| VOLTAGE          | 600V     |
| AMPS             | 50 AMP   |
| WIRE SIZE AWG    | 26...6   |

### PART NUMBERING SYSTEM

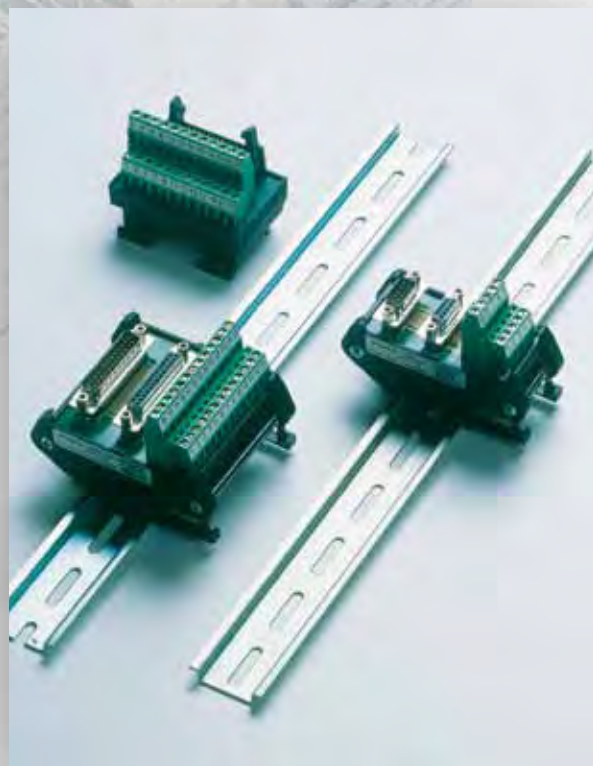
| NO. OF POLES | INDICATOR TYPE | PART NUMBER    |
|--------------|----------------|----------------|
| 1            | NON-INDICATING | <b>2561000</b> |
| 2            | NON-INDICATING | <b>2563000</b> |
| 3            | NON-INDICATING | <b>2564000</b> |
| 1            | WITH INDICATOR | <b>2561100</b> |
| 2            | WITH INDICATOR | <b>2563100</b> |
| 3            | WITH INDICATOR | <b>2564100</b> |





## DIN RAIL MOUNTED INTERFACE MODULES

THE AEI INTERFACE MODULES ARE AVAILABLE WITH D-SUBMINIATURE OR IDC CONNECTORS. THESE INTERFACE MODULES ALLOW THE USERS TO ATTACH FIELD WIRING AND “PLUG AND PLAY” THE INTERFACE MODULE TO THE CONTROLLER. OUR D-SUB MODULES COME WITH BOTH MALE AND FEMALE CONNECTORS AND IDC COME WITH MALE ONLY. WE ALSO OFFER TWO METER CABLES TO COMPLEMENT THE DESIGN.



## DIN RAIL MOUNTED INTERFACE MODULES

### D-SUB

MODULES ARE DESIGNED WITH MALE AND FEMALE CONNECTORS, 9, 15 OR 25 PIN OPTIONS.

#### FEATURES

MAXIMUM CURRENT: 1 A  
WIRE RANGE: 22 - 14 AWG  
OPERATING TEMPERATURE: -10°C TO 50°C



#### TECHNICAL DATA - D-SUB

| PART NUMBER        | DSUB-9-MF                               | DSUB-15-MF                              | DSUB-25-MF                              |
|--------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| NUMBER OF CHANNELS | 9                                       | 15                                      | 25                                      |
| DIMENSIONS         | 1.53 x 2.48 x 3.66"<br>(39 x 63 x 93MM) | 1.93 x 2.48 x 3.66"<br>(49 x 63 x 93MM) | 2.87 x 2.48 x 3.66"<br>(73 x 63 x 93MM) |

#### CABLES - D-SUB

(CONNECTORS ON BOTH ENDS)

| PART NUMBER       | DSUB-9-MF-CBL | DSUB-15-MF-CBL | DSUB-25-MF-CBL |
|-------------------|---------------|----------------|----------------|
| CABLE LENGTH      | 2 METERS      | 2 METERS       | 2 METERS       |
| INSULATION RATING | 300V 80°C     | 300V 80°C      | 300V 80°C      |
| CONDUCTOR SIZE    | #28 AWG       | #28 AWG        | #28 AWG        |

### IDC

#### FEATURES

MAXIMUM VOLTAGE: 600V  
MAXIMUM CURRENT: 2 A  
WIRE RANGE: 22 - 14 AWG

CONTACTS: COPPER ALLOY, TIN LEAD PLATING  
TIGHTENING TORQUE: 3.5 LB-IN (0.4NM)  
OPERATING TEMPERATURE: -10°C TO 50°C



#### TECHNICAL DATA - IDC

| PART NUMBER    | IDC-20-M                                  | IDC-24-M                                | IDC-40-M                                   |
|----------------|-------------------------------------------|-----------------------------------------|--------------------------------------------|
| NUMBER OF PINS | 20                                        | 24                                      | 40                                         |
| DIMENSIONS     | 2.26 x 1.85 x 2.17"<br>(57.5 x 47 x 55MM) | 2.72 x 1.85 x 2.17"<br>(69 x 47 x 55MM) | 4.47 x 1.85 x 2.17"<br>(113.5 x 47 x 55MM) |

#### CABLES - IDC

(CONNECTORS ON ONE END)

| PART NUMBER       | IDC-20-M-CBL | IDC-24-M-CBL |  |
|-------------------|--------------|--------------|--|
| CABLE LENGTH      | 2 METERS     | 2 METERS     |  |
| INSULATION RATING | 300V 80°C    | 300V 80°C    |  |
| CONDUCTOR SIZE    | #24 AWG      | #24 AWG      |  |

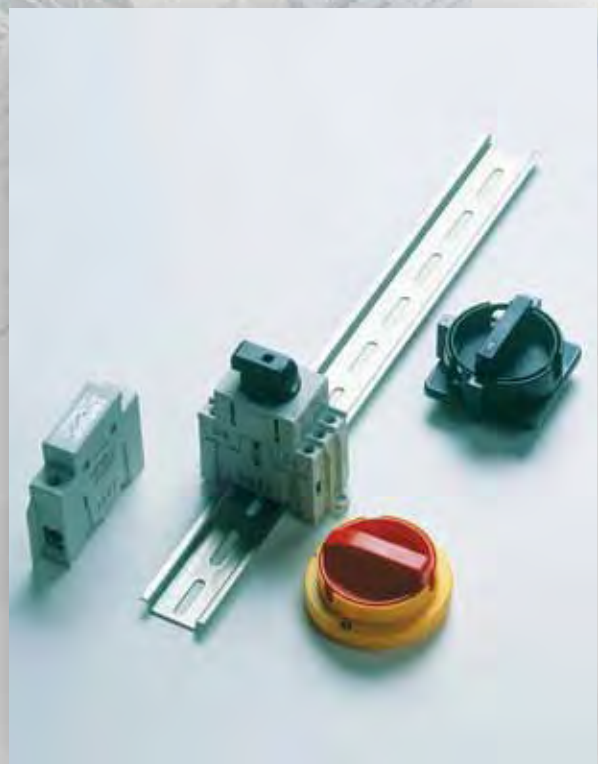




## DIN RAIL MOUNTED DISCONNECT SWITCHES

AEI HAS TWO SERIES OF DISCONNECT SWITCHES, RANGING FROM 16 A TO 125 A. ISOLATION OF CONTROL EQUIPMENT IS AN IMPORTANT DESIGN CONSIDERATION. OUR DISCONNECT SWITCHES CAN PROVIDE ISOLATION AND LOCK OUT POINTS FOR POWER SUPPLIES, TRANSFORMERS, SMALL MOTORS OR ANY OTHER TYPES OF CONTROLS.

ACCESSORIES, SUCH AS AUXILIARY CONTACTS ARE USED TO ELECTRICALLY INDICATE THE SWITCH POSITION. REMOTE OPERATION SHUT OFFS AND HANDLES ARE OFFERED FOR THOSE DESIGNS THAT ARE THROUGH -PANEL.



# DIN RAIL MOUNTED DISCONNECT SWITCHES

## SD1 SERIES

### FEATURES

16-40 AMPS

ALLOWS BREAKING AND DISCONNECTING ON  
LOAD OF EQUIPMENT ON LOW VOLTAGE  
AT NOMINAL CURRENT



| PART NUMBER                          |       |                 |                 |                 |                 |
|--------------------------------------|-------|-----------------|-----------------|-----------------|-----------------|
|                                      | BLACK | <b>19200-11</b> | <b>19201-11</b> | <b>19202-11</b> | <b>19203-11</b> |
|                                      | RED   | <b>19210-11</b> | <b>19211-11</b> | <b>19212-11</b> | <b>19213-11</b> |
| RATED CURRENT                        |       |                 |                 |                 |                 |
|                                      |       | 16 A            | 25 A            | 32 A            | 40 A            |
| MAX VOLTAGE                          |       |                 |                 |                 |                 |
|                                      |       | 600 V           | 600 V           | 600 V           | 600 V           |
| SHORT CIRCUIT RATING                 |       |                 |                 |                 |                 |
|                                      |       | 5 kA            | 5 kA            | 5 kA            | 5 kA            |
| MAXIMUM UL HORSEPOWER 3-PHASE (120V) |       |                 |                 |                 |                 |
|                                      |       | 3               | 3               | 3               | 3               |
| WIRE RANGE                           |       |                 |                 |                 |                 |
|                                      |       | 16 - 6 AWG      | 16 - 6 AWG      | 16 - 6 AWG      | 16 - 6 AWG      |
| TIGHTENING TORQUE                    |       |                 |                 |                 |                 |
|                                      |       | 2 NM            | 2 NM            | 2 NM            | 2 NM            |

### SD1 SERIES ACCESSORIES

| PART NUMBER      | DESCRIPTION                                |
|------------------|--------------------------------------------|
| <b>19440</b>     | CONNECTOR 6-8 POLE                         |
| <b>19400-11</b>  | DOOR INTERLOCK HANDLE BLACK                |
| <b>19401-11</b>  | EMERGENCY DOOR INTERLOCK HANDLE RED/YELLOW |
| <b>19535-100</b> | REMOTE OPERATOR SHAFT 100MM LENGTH         |
| <b>19535-200</b> | REMOTE OPERATOR SHAFT 200MM LENGTH         |
| <b>19535-300</b> | REMOTE OPERATOR SHAFT 300MM LENGTH         |
| <b>19414*</b>    | SD1 4TH POLE                               |
| <b>19423*</b>    | SD1 AUX CONTACT SPST                       |
| <b>19421*</b>    | SD1 GROUND POLE                            |
| <b>19419*</b>    | SD1 NEUTRAL POLE                           |

\*THESE MODULES INTEGRATE WITH THE DISCONNECT SWITCH. THEY ARE SEPARATE COMPONENTS THAT SCREW INTO THE MAIN SWITCHES FOR ADDITIONAL APPLICATIONS.



## DIN RAIL MOUNTED DISCONNECT SWITCHES

### SD-2 SERIES

#### FEATURES

63-125A

ALLOW BREAKING AND DISCONNECTING  
ON LOAD OF EQUIPMENT ON LOW VOLTAGE  
AT NOMINAL CURRENT



| PART NUMBER                          |       |                 |                 |                 |
|--------------------------------------|-------|-----------------|-----------------|-----------------|
|                                      | BLACK | <b>19205-11</b> | <b>19206-11</b> | <b>19207-11</b> |
|                                      | RED   | <b>19215-11</b> | <b>19216-11</b> | <b>19217-11</b> |
| RATED CURRENT                        |       |                 |                 |                 |
|                                      |       | 63 A            | 80 A            | 100 A           |
|                                      |       |                 |                 |                 |
| MAX VOLTAGE                          |       |                 |                 |                 |
|                                      |       | 600 V           | 600 V           | 600 V           |
|                                      |       |                 |                 |                 |
| SHORT CIRCUIT RATING                 |       |                 |                 |                 |
|                                      |       | 5 kA            | 5 kA            | 5 kA            |
|                                      |       |                 |                 |                 |
| MAXIMUM UL HORSEPOWER 3-PHASE (120V) |       |                 |                 |                 |
|                                      |       | 5               | 5               | 5               |
|                                      |       |                 |                 |                 |
| WIRE RANGE                           |       |                 |                 |                 |
|                                      |       | 6 - 1 AWG       | 6 - 1 AWG       | 6 - 1 AWG       |
|                                      |       |                 |                 |                 |
| TIGHTENING TORQUE                    |       |                 |                 |                 |
|                                      |       | 3.5 Nm          | 3.5 Nm          | 3.5 Nm          |

#### SD2 SERIES ACCESSORIES

| PART NUMBER      | DESCRIPTION                                |
|------------------|--------------------------------------------|
| <b>19440</b>     | CONNECTOR 6-8 POLE                         |
| <b>19400-11</b>  | DOOR INTERLOCK HANDLE BLACK                |
| <b>19401-11</b>  | EMERGENCY DOOR INTERLOCK HANDLE RED/YELLOW |
| <b>19535-100</b> | REMOTE OPERATOR SHAFT 100MM LENGTH         |
| <b>19535-200</b> | REMOTE OPERATOR SHAFT 200MM LENGTH         |
| <b>19535-300</b> | REMOTE OPERATOR SHAFT 300MM LENGTH         |
| <b>19418*</b>    | SD2 4TH POLE                               |
| <b>19429*</b>    | SD2 AUX CONTACT SPST                       |
| <b>19422*</b>    | SD2 GROUND POLE                            |
| <b>19420*</b>    | SD2 NEUTRAL POLE                           |

\*THESE MODULES INTEGRATE WITH THE DISCONNECT SWITCH. THEY ARE SEPARATE COMPONENTS THAT SCREW INTO THE MAIN SWITCHES FOR ADDITIONAL APPLICATIONS.



## CABLE GRIPS

CABLE GRIPS SECURE CABLES TO CONTROL CABINETS OR JUNCTION BOXES – PROVIDING STRAIN RELIEF AND PROTECTION FROM THE ELEMENTS. THEY ARE MADE OF METAL (NICKEL PLATED BRASS) OR PLASTIC (NYLON). ADVANTAGES EXIST FOR BOTH TYPES OF CABLE GRIP WITH THE NYLON VERSIONS BECOMING MORE POPULAR SINCE THEY CAN PROVIDE THE SAME LEVEL OF PROTECTION AGAINST DUST, DEBRIS AND WATER AS THE METALLIC VERSIONS – FOR LESS COST AND WEIGHT. CABLE GRIPS ARE SPECIFIED FIRST BY THE CABLE DIAMETER AND SECOND BY THREAD TYPE.

CABLE GRIPS ARE AVAILABLE IN THREE DIFFERENT THREAD TYPES, PG (PANZER GEWINDE, A GERMAN SPECIFIED THREAD WIDELY USED IN EUROPE), METRIC AND NPT (NATIONAL PIPE THREAD – USED IN USA). THIS IS USEFUL SINCE MOST SPECIFIERS THREAD THE CABINET HOLES SO THAT THE CABLE GRIP CAN BE SCREWED INTO IT FOR A MORE SECURE FIT. OTHERS SIMPLY KNOCKOUT A HOLE AND PLACE THE CABLE GRIP INSIDE IT.

OUR CABLE GRIPS ARE APPROVED BY UL AND LLOYDS OF LONDON AND ARE RATED IP 68, THE HIGHEST INGRESS PROTECTION AVAILABLE. INGRESS PROTECTION CONSISTS OF TWO NUMBERS – THE FIRST BETWEEN 0 AND 6, INDICATING THE RESISTANCE TO PARTICLES AND THE SECOND BETWEEN 0 AND 8, INDICATING RESISTANCE TO WATER. PLEASE SEE OUR CHARTS ON PAGES 164 AND 165 EXPLAINING THE IP SYSTEM.





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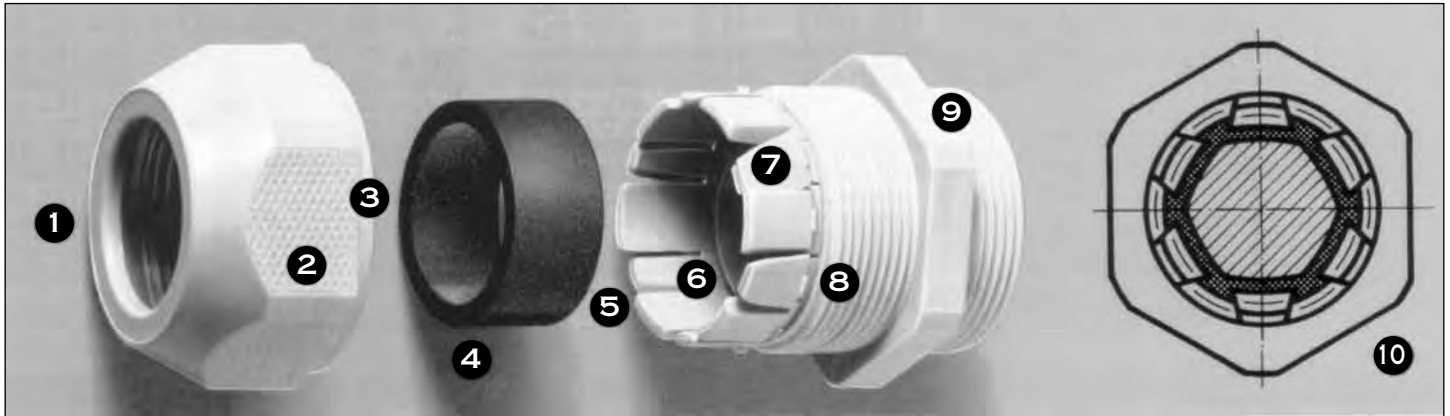
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### MAIN FEATURES: CABLE GRIPS

- 1** **WIDER DOMED NUT WHICH CAN NOT BE OVER-TIGHTENED.**  
THE WIDE DOME DESIGN ALLOWS SPACE FOR THE NEOPRENE SEAL TO FORM A TIGHT GRIP ON THE CABLE, FORMING AN IP68 BARRIER. (PLEASE REFER TO INGRESS PROTECTION [IP] RATINGS ON THE BACK PAGE.)
- 2** **GENEROUS DEEP FLATS**  
THE DEEP FLATS ALLOW ENOUGH ROOM FOR THE PROPER WRENCH TO TIGHTEN OR LOOSEN THE CABLE GRIP WITHOUT THE WRENCH COMING OFF.
- 3** **SPACER**  
A SMALL SPACER EXISTS BETWEEN THE DOMED NUT AND THE LOCKING COLLETT, PROVIDING AN ADDITIONAL SEAL WHEN FULLY TIGHTENED.
- 4** **NEOPRENE RUBBER SEAL**  
THIS SEAL GRIPS AROUND THE CABLE TO FORM THE IP68 BARRIER WHEN PROPERLY TIGHTENED.
- 5** **WEBS ARE STAGGERED FOR BETTER GRIP**  
WEBS ARE DESIGNED IN AN ALTERNATING GEOMETRY WHICH ENHANCES GRIPPING CAPABILITY.
- 6** **STAGGERED WEBS**  
THE WEB DESIGN IS STAGGERED TO ALLOW FOR SEAL CONFORMITY AROUND THE CABLE TO MAXIMIZE THE PULL OUT RESISTANCE AND PROTECTION AGAINST THE ELEMENTS.
- 7** **SPRUNG WEBS**  
THE WEBS ARE DESIGNED SO THAT THEY WILL SPRING BACK TO THEIR ORIGINAL OPEN POSITION MAKING INSTALLATION EASY WHILE MAINTAINING THE SEAL QUALITY.
- 8** **RETENTION SPRINGS FOR DOMED NUT**  
THE 'TIGHT SEAL' DESIGN ALLOWS THE DOMED NUT TO LOCK WITH THE COLLETT BEFORE ANY THREADS ARE ENGAGED. THIS GUARDS AGAINST MISTHEADS AS WELL AS AIDS IN THE INSTALLATION PROCESS.
- 9** **SEALING LIP**  
THE COLLETT DESIGN INCORPORATES A SEALING LIP WHICH PROVIDES FOR A POSITIVE SEAL AGAINST THE ENCLOSURE.
- 10** **ANTI-TWIST CABLE LOCKING COLLETT**  
THE ENTIRE DESIGN OF THE 'TIGHT SEAL' PRODUCT LINE INSURES THAT CABLES WILL NOT TWIST OR TURN ONCE LOCKED DOWN.

### TECHNICAL DATA

#### MATERIAL:

POLYAMIDE PA 6, SELF-EXTINGUISHING,  
HALOGEN-FREE

#### SEAL:

NEOPRENE, OIL AND PETROLEUM RESISTANT

#### OPERATING TEMPERATURE:

STATIC: -40°C TO 100°C, SHORT-TERM 120°C  
DYNAMIC: -30°C TO 80°C, SHORT-TERM 100°C

#### WEATHER RESISTANCE GOOD

#### STRAIN RELIEF:

SMOOTH ACTION

#### SAFETY CLASS:

IP68, WATERPROOF (5 BAR)

#### PATENTS:

EUROPE, USA, JAPAN

#### VDE TEST REPORT:

12 796-9000-4001/A 2 J.

#### UL TEST (UNDERWRITERS LABORATORIES INC.)

#### LLOYD'S REGISTER OF SHIPPING CERTIFICATE

#### GERMANISCHE LLOYD CERTIFICATE

**KNOCKOUT HOLE REFERENCE CHART**

| PG   | MM   | INCHES | METRIC | MM | INCHES |
|------|------|--------|--------|----|--------|
| 7    | 12.5 | 0.492  | 12     | 12 | 0.472  |
| 9    | 15.2 | 0.598  | 16     | 16 | 0.63   |
| 11   | 18.6 | 0.732  | 20     | 20 | 0.787  |
| 13.5 | 20.4 | 0.803  | 25     | 25 | 0.984  |
| 16   | 22.5 | 0.886  | 32     | 32 | 1.26   |
| 21   | 28.3 | 1.114  | 40     | 40 | 1.575  |
| 29   | 37   | 1.457  | 50     | 50 | 1.969  |
| 36   | 47   | 1.85   | 63     | 63 | 2.48   |
| 42   | 54   | 2.126  |        |    |        |
| 48   | 59.3 | 2.338  |        |    |        |



## INGRESS PROTECTION (IP) RATINGS

### LIST OF PROTECTION CLASSES

#### IP PROTECTION CLASSES TO DIN 40 050 SHEET 1

UP TO 1000 VAC AND 1500 VDC (UTE STANDARD C 200 10)

### IP RATINGS CONSIST OF A TWO DIGIT NUMBER EXPLAINED BELOW:

THE TWO DIGITS CORRESPOND TO THE DESCRIPTION BY DIN 40 050 SHEET 1, IEC 144 AND 525 AS WELL AS UTE C 200 10.

#### 1ST DIGIT DEGREE OF PROTECTION AGAINST TOUCHING AND FOREIGN MATTER

##### IP SPECIFICATIONS

- 0** NO PROTECTION.
- 1** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 50 MM (ACCIDENTAL TOUCHING BY HAND).
- 2** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 12 MM (TOUCHING WITH FINGERS).
- 3** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 2.5 MM (TOUCHING WITH TOOLS, WIRES LARGER THAN 2.5 MM).
- 4** PROTECTION AGAINST SOLID FOREIGN MATTERS LARGER THAN 1 MM (TOUCHING WITH TOOLS, WIRES LARGER THAN 1 MM).
- 5** COMPLETE PROTECTION FROM BEING TOUCHED. PROTECTION FROM HARMFUL DUST DEPOSITS - DUST PENETRATION IS NOT COMPLETELY PREVENTED.
- 6** COMPLETE PROTECTION FROM BEING TOUCHED. PROTECTION AGAINST PENETRATION BY DUST.

#### 2ND DIGIT DEGREE OF PROTECTION AGAINST WATER

##### IP SPECIFICATIONS

- 0** NO PROTECTION.
- 1** PROTECTION AGAINST VERTICALLY DRIPPING WATER.
- 2** PROTECTION AGAINST DRIP WATER FALLING AT AN ANGLE OF UP TO 15 DEGREES.
- 3** PROTECTION AGAINST SPRAY WATER FALLING AT AN ANGLE OF UP TO 60 DEGREES.
- 4** PROTECTION AGAINST SPRAY WATER FROM ALL DIRECTIONS.
- 5** PROTECTION AGAINST WATER JETS FROM ALL DIRECTIONS
- 6** PROTECTION AGAINST TEMPORARY FLOODING, E.G., BY ROUGH SEA.
- 7** PROTECTION WHEN SUBMERSED IN WATER AT SPECIFIED PRESSURE AND UNSPECIFIED DURATION.
- 8** PROTECTION WHEN SUBMERSED IN WATER AT ELEVATED PRESSURE AND UNSPECIFIED TIME.
- 9K** PROTECTION AGAINST THE PENETRATION OF WATER DURING HIGH PRESSURE (80-100 BARS), HIGH TEMPERATURE WASH-DOWN APPLICATIONS (80°C).

### USE AND APPLICATION OF NYLON CABLE GRIPS

- THE USE OF SYNTHETIC - CABLE GRIPS IS ALMOST UNLIMITED WITHIN THE ELECTRICAL AND ELECTRONICS INDUSTRY. INSTALLATIONS WHERE CABLES MUST BE LED SAFELY THROUGH A WALL OF AN ENCLOSURE WILL BE SPECIFIED WITH CABLE GRIPS. SYNTHETIC CABLE GRIPS ARE SPECIFIED TO:
  - SECURE THE CABLE TO THE ENCLOSURE'S WALL TO PROVIDE EXCELLENT PULL-OUT RESISTANCE.
  - SEAL AND PROTECT THE INSIDE OF THE ENCLOSURE FROM THE UNWANTED AFFECTS OF THE ENVIRONMENT. THESE CONTAMINANTS MAY BE WATER, GAS, CHEMICALS VAPORS, OR FUMES.
  - REDUCE MATERIAL COST DUE TO USE OF LIGHTER, LESS EXPENSIVE MATERIALS, AS WELL AS, ELIMINATING THE NEED FOR RUNNING CONDUIT.

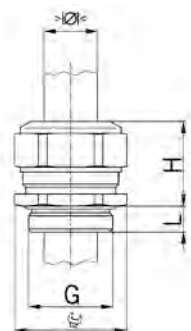
- SOME OF THE TYPICAL APPLICATIONS USING CABLE GRIPS ARE:
  - MACHINERY
  - PROCESS EQUIPMENT ENGINEERING
  - APPARATUS AND APPLIANCE CONSTRUCTION
  - AIRCRAFT AND AUTOMOTIVE ENGINEERING
  - LOCOMOTIVE ENGINEERING
  - ELEVATOR ENGINEERING
  - PLANT ENGINEERING
  - CHEMICAL AND PHARMACEUTICAL INDUSTRIES
  - REFINERIES
  - NUCLEAR RESEARCH INSTITUTIONS
  - PROCESS AUTOMATION AND PROCESS ENGINEERING
  - INDOOR AND OUTDOOR ELECTRICAL INSTALLATIONS
  - SWITCHGEAR AND DISTRIBUTION CONSTRUCTION
  - EQUIPMENT FOR MILITARY PURPOSES
  - MUNICIPAL AND UTILITY TYPE APPLICATIONS, SUCH AS POWER, ELECTRICITY AND GAS WORKS





## CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC



|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



### PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | Part. no.   |    |
|---------|---------------|---------------|---------|---------|---------|-----------|-------------|----|
| M6x1.0  | 2.0           | 2.5           | 8       | 12      | 5       | 1         | 1060.06.025 | 50 |
| M6x1.0  | 2.5           | 3.0           | 8       | 12      | 5       | 1         | 1060.06.030 | 50 |
| M8x1.25 | 2.5           | 3.0           | 11      | 14      | 5       | 1         | 1060.08.030 | 50 |
| M8x1.25 | 3.0           | 4.0           | 11      | 14      | 5       | 1         | 1060.08.040 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13      | 15      | 5       | 1         | 1060.10.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 15      | 5       | 1         | 1060.10.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 15      | 17      | 5       | -         | 1060.12.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15      | 17      | 5       | -         | 1060.12.065 | 50 |
| M12x1.5 | 6.5           | 7.5           | 15      | 17      | 5       | -         | 1060.12.075 | 50 |
| M16x1.5 | 4.5           | 6.0           | 18      | 20      | 5       | -         | 1060.17.060 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18      | 20      | 5       | -         | 1060.17.080 | 50 |
| M16x1.5 | 8.0           | 10.5          | 18      | 22      | 5       | -         | 1060.17.105 | 50 |
| M20x1.5 | 6.0           | 8.0           | 24      | 21      | 6       | -         | 1060.20.080 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24      | 21      | 6       | -         | 1060.20.110 | 50 |
| M20x1.5 | 11.0          | 14.5          | 24      | 23      | 6       | -         | 1060.20.145 | 50 |
| M25x1.5 | 9.5           | 12.5          | 30      | 25      | 7       | -         | 1060.25.125 | 25 |
| M25x1.5 | 12.5          | 16.0          | 30      | 25      | 7       | -         | 1060.25.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 30      | 28      | 7       | -         | 1060.25.190 | 25 |
| M32x1.5 | 17.0          | 21.0          | 36      | 28      | 8       | -         | 1060.32.210 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36      | 28      | 8       | -         | 1060.32.255 | 25 |
| M40x1.5 | 24.0          | 28.5          | 46      | 31      | 8       | -         | 1060.40.285 | 10 |
| M40x1.5 | 28.5          | 33.0          | 46      | 31      | 8       | -         | 1060.40.330 | 10 |
| M50x1.5 | 33.0          | 37.0          | 55      | 34      | 9       | -         | 1060.50.370 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55      | 34      | 9       | -         | 1060.50.420 | 10 |
| M63x1.5 | 40.0          | 46.0          | 70      | 37      | 10      | -         | 1060.63.460 | 5  |
| M63x1.5 | 46.0          | 52.0          | 70      | 37      | 10      | -         | 1060.63.520 | 5  |
| M75x1.5 | 50.0          | 56.0          | 80      | 38      | 11      | -         | 1060.75.560 | 1  |
| M75x1.5 | 56.0          | 63.0          | 80      | 38      | 11      | -         | 1060.75.630 | 1  |

1 = Metric coarse-pitch thread



### PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED



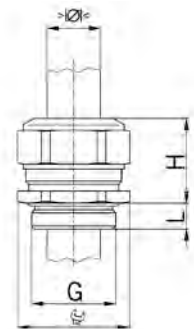
| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | Part. no. |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----|
| M16x1.5 | 6.0           | 10.5          | 18      | 22      | 5       | 1060.17   | 50 |
| M20x1.5 | 8.0           | 14.5          | 24      | 23      | 6       | 1060.20   | 50 |
| M25x1.5 | 12.5          | 19.0          | 30      | 28      | 7       | 1060.25   | 25 |
| M32x1.5 | 17.0          | 25.5          | 36      | 28      | 8       | 1060.32   | 25 |
| M40x1.5 | 24.0          | 33.0          | 46      | 31      | 8       | 1060.40   | 10 |
| M50x1.5 | 33.0          | 42.0          | 55      | 34      | 9       | 1060.50   | 10 |
| M63x1.5 | 40.0          | 52.0          | 70      | 37      | 10      | 1060.63   | 5  |
| M75x1.5 | 50.0          | 63.0          | 80      | 38      | 11      | 1060.75   | 1  |



# CABLE GLANDS NICKEL-PLATED BRASS

## SHORT ENTRY THREAD METRIC

|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE / NBR                       |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



### PROGRESS MS



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G        | >Ø<<br>min mm | >Ø<<br>max mm | mm  | H<br>mm | L<br>mm | i<br>info | Part. no.    |    |
|----------|---------------|---------------|-----|---------|---------|-----------|--------------|----|
| M6x1.0   | 2.0           | 2.5           | 8   | 12      | 5       | 1         | 1000.06.025  | 50 |
| M6x1.0   | 2.5           | 3.0           | 8   | 12      | 5       | 1         | 1000.06.030  | 50 |
| M6x1.0   | 3.0           | 3.5           | 8   | 12      | 5       | 1         | 1000.06.035  | 50 |
| M8x1.25  | 2.5           | 3.5           | 11  | 14      | 5       | 1         | 1000.08.035  | 50 |
| M8x1.25  | 3.5           | 5.0           | 11  | 14      | 5       | 1         | 1000.08.050  | 50 |
| M10x1.5  | 3.0           | 4.0           | 13  | 15      | 5       | 1         | 1000.10.040  | 50 |
| M10x1.5  | 4.0           | 6.0           | 13  | 15      | 5       | 1         | 1000.10.060  | 50 |
| M12x1.5  | 3.5           | 5.0           | 15  | 17      | 5       | -         | 1000.12.050  | 50 |
| M12x1.5  | 5.0           | 6.5           | 15  | 17      | 5       | -         | 1000.12.065  | 50 |
| M12x1.5  | 6.5           | 8.0           | 15  | 17      | 5       | -         | 1000.12.080  | 50 |
| M16x1.5  | 3.5           | 4.5           | 18  | 20      | 5       | -         | 1000.17.045  | 50 |
| M16x1.5  | 4.5           | 6.0           | 18  | 20      | 5       | -         | 1000.17.060  | 50 |
| M16x1.5  | 6.0           | 8.0           | 18  | 20      | 5       | -         | 1000.17.080  | 50 |
| M16x1.5  | 8.0           | 10.5          | 18  | 22      | 5       | -         | 1000.17.105  | 50 |
| M20x1.5  | 6.0           | 8.0           | 24  | 21      | 6       | -         | 1000.20.080  | 50 |
| M20x1.5  | 8.0           | 11.0          | 24  | 21      | 6       | -         | 1000.20.110  | 50 |
| M20x1.5  | 11.0          | 15.0          | 24  | 23      | 6       | -         | 1000.20.150  | 50 |
| M25x1.5  | 9.5           | 12.5          | 30  | 25      | 7       | -         | 1000.25.125  | 25 |
| M25x1.5  | 12.5          | 16.0          | 30  | 27      | 7       | -         | 1000.25.160  | 25 |
| M25x1.5  | 16.0          | 20.5          | 30  | 28      | 7       | -         | 1000.25.205  | 25 |
| M32x1.5  | 14.0          | 17.0          | 36  | 28      | 8       | -         | 1000.32.170  | 25 |
| M32x1.5  | 17.0          | 21.0          | 36  | 28      | 8       | -         | 1000.32.210  | 25 |
| M32x1.5  | 21.0          | 25.5          | 36  | 28      | 8       | -         | 1000.32.255  | 25 |
| M40x1.5  | 20.0          | 24.0          | 46  | 31      | 8       | -         | 1000.40.240  | 10 |
| M40x1.5  | 24.0          | 28.5          | 46  | 31      | 8       | -         | 1000.40.285  | 10 |
| M40x1.5  | 28.5          | 33.0          | 46  | 31      | 8       | -         | 1000.40.330  | 10 |
| M50x1.5  | 29.0          | 33.0          | 55  | 34      | 9       | -         | 1000.50.330  | 10 |
| M50x1.5  | 33.0          | 37.0          | 55  | 34      | 9       | -         | 1000.50.370  | 10 |
| M50x1.5  | 37.0          | 42.0          | 55  | 34      | 9       | -         | 1000.50.420  | 10 |
| M63x1.5  | 35.0          | 40.0          | 70  | 37      | 10      | -         | 1000.63.400  | 5  |
| M63x1.5  | 40.0          | 46.0          | 70  | 37      | 10      | -         | 1000.63.460  | 5  |
| M63x1.5  | 46.0          | 52.0          | 70  | 37      | 10      | -         | 1000.63.520  | 5  |
| M75x1.5  | 45.0          | 50.0          | 80  | 38      | 11      | -         | 1000.75.500  | 1  |
| M75x1.5  | 50.0          | 56.0          | 80  | 38      | 11      | -         | 1000.75.560  | 1  |
| M75x1.5  | 56.0          | 63.0          | 80  | 38      | 11      | -         | 1000.75.630  | 1  |
| M85x2.0  | 63.0          | 70.0          | 95  | 41      | 18      | -         | 1000.85.700  | 1  |
| M95x2.0  | 68.0          | 75.0          | 110 | 51      | 20      | -         | 1000.95.750  | 1  |
| M95x2.0  | 73.0          | 80.0          | 110 | 51      | 20      | -         | 1000.95.800  | 1  |
| M100x3.0 | 78.0          | 85.0          | 115 | 51      | 22      | -         | 1000.100.850 | 1  |
| M105x3.0 | 83.0          | 90.0          | 120 | 52      | 22      | -         | 1000.105.900 | 1  |
| M115x3.0 | 88.0          | 95.0          | 125 | 52      | 22      | -         | 1000.115.950 | 1  |

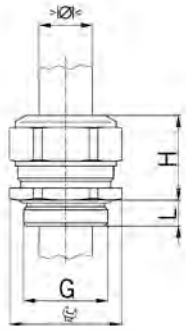


1 = METRIC COARSE-PITCH THREAD



## CABLE GLANDS NICKEL-PLATED BRASS

### SHORT ENTRY THREAD METRIC



|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



#### PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----|
| M16x1.5 | 6.0           | 10.5          | 18      | 22      | 5       | 1000.17   | 50 |
| M20x1.5 | 8.0           | 15.0          | 24      | 23      | 6       | 1000.20   | 50 |
| M25x1.5 | 12.5          | 20.5          | 30      | 28      | 7       | 1000.25   | 25 |
| M32x1.5 | 17.0          | 25.5          | 36      | 28      | 8       | 1000.32   | 25 |
| M40x1.5 | 24.0          | 33.0          | 46      | 31      | 8       | 1000.40   | 10 |
| M50x1.5 | 33.0          | 42.0          | 55      | 34      | 9       | 1000.50   | 10 |
| M63x1.5 | 40.0          | 52.0          | 70      | 37      | 10      | 1000.63   | 5  |
| M75x1.5 | 50.0          | 63.0          | 80      | 38      | 11      | 1000.75   | 1  |

### LONG ENTRY THREAD METRIC



#### PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|---------|---------|---------|-----------|-------------|----|
| M6x1.0  | 2.0           | 2.5           | 8       | 12      | 8       | 1         | 1160.06.025 | 50 |
| M6x1.0  | 2.5           | 3.0           | 8       | 12      | 8       | 1         | 1160.06.030 | 50 |
| M8x1.25 | 2.5           | 3.0           | 11      | 14      | 10      | 1         | 1160.08.030 | 50 |
| M8x1.25 | 3.0           | 4.0           | 11      | 14      | 10      | 1         | 1160.08.040 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13      | 15      | 10      | 1         | 1160.10.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 15      | 10      | 1         | 1160.10.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 15      | 17      | 10      | -         | 1160.12.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15      | 17      | 10      | -         | 1160.12.065 | 50 |
| M12x1.5 | 6.5           | 7.5           | 15      | 17      | 10      | -         | 1160.12.075 | 50 |
| M16x1.5 | 8.0           | 10.5          | 18      | 22      | 10      | -         | 1160.17.105 | 50 |
| M20x1.5 | 11.0          | 14.5          | 24      | 23      | 10      | -         | 1160.20.145 | 50 |
| M25x1.5 | 16.0          | 19.0          | 30      | 28      | 11      | -         | 1160.25.190 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36      | 28      | 13      | -         | 1160.32.255 | 25 |
| M40x1.5 | 28.5          | 33.0          | 46      | 34      | 13      | -         | 1160.40.330 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55      | 34      | 14      | -         | 1160.50.420 | 10 |
| M63x1.5 | 46.0          | 52.0          | 70      | 37      | 14      | -         | 1160.63.520 | 5  |
| M75x1.5 | 56.0          | 63.0          | 80      | 38      | 15      | -         | 1160.75.630 | 1  |

1 = METRIC COARSE-PITCH THREAD



#### PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

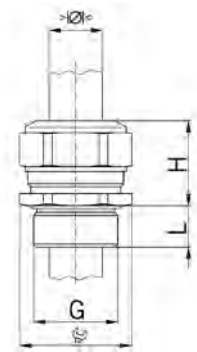


| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----|
| M16x1.5 | 6.0           | 10.5          | 18      | 22      | 10      | 1160.17   | 50 |
| M20x1.5 | 8.0           | 14.5          | 24      | 23      | 10      | 1160.20   | 50 |
| M25x1.5 | 12.5          | 19.0          | 30      | 28      | 11      | 1160.25   | 25 |
| M32x1.5 | 17.0          | 25.5          | 36      | 28      | 13      | 1160.32   | 25 |
| M40x1.5 | 24.0          | 33.0          | 46      | 31      | 13      | 1160.40   | 10 |
| M50x1.5 | 33.0          | 42.0          | 55      | 34      | 14      | 1160.50   | 10 |
| M63x1.5 | 40.0          | 52.0          | 70      | 37      | 14      | 1160.63   | 5  |
| M75x1.5 | 50.0          | 63.0          | 80      | 38      | 15      | 1160.75   | 1  |

# CABLE GLANDS NICKEL-PLATED BRASS

## LONG ENTRY THREAD METRIC

|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



### PROGRESS MS



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|----|---------|---------|-----------|-------------|----|
| M6x1.0  | 2.0           | 2.5           | 8  | 12      | 8       | 1         | 1100.06.025 | 50 |
| M6x1.0  | 2.5           | 3.0           | 8  | 12      | 8       | 1         | 1100.06.030 | 50 |
| M6x1.0  | 3.0           | 3.5           | 8  | 12      | 8       | 1         | 1100.06.035 | 50 |
| M8x1.25 | 2.5           | 3.5           | 11 | 14      | 10      | 1         | 1100.08.035 | 50 |
| M8x1.25 | 3.5           | 5.0           | 11 | 14      | 10      | 1         | 1100.08.050 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13 | 15      | 10      | 1         | 1100.10.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13 | 15      | 10      | 1         | 1100.10.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 15 | 17      | 10      | -         | 1100.12.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15 | 17      | 10      | -         | 1100.12.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 15 | 17      | 10      | -         | 1100.12.080 | 50 |
| M16x1.5 | 3.5           | 4.5           | 18 | 20      | 10      | -         | 1100.17.045 | 50 |
| M16x1.5 | 4.5           | 6.0           | 18 | 20      | 10      | -         | 1100.17.060 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18 | 20      | 10      | -         | 1100.17.080 | 50 |
| M16x1.5 | 8.0           | 10.5          | 18 | 22      | 10      | -         | 1100.17.105 | 50 |
| M20x1.5 | 6.0           | 8.0           | 24 | 21      | 10      | -         | 1100.20.080 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24 | 21      | 10      | -         | 1100.20.110 | 50 |
| M20x1.5 | 11.0          | 15.0          | 24 | 23      | 10      | -         | 1100.20.150 | 50 |
| M25x1.5 | 9.5           | 12.5          | 30 | 25      | 11      | -         | 1100.25.125 | 25 |
| M25x1.5 | 12.5          | 16.0          | 30 | 27      | 11      | -         | 1100.25.160 | 25 |
| M25x1.5 | 16.0          | 20.5          | 30 | 28      | 11      | -         | 1100.25.205 | 25 |
| M32x1.5 | 14.0          | 17.0          | 36 | 28      | 13      | -         | 1100.32.170 | 25 |
| M32x1.5 | 17.0          | 21.0          | 36 | 28      | 13      | -         | 1100.32.210 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36 | 28      | 13      | -         | 1100.32.255 | 25 |
| M40x1.5 | 20.0          | 24.0          | 46 | 31      | 13      | -         | 1100.40.240 | 10 |
| M40x1.5 | 24.0          | 28.5          | 46 | 31      | 13      | -         | 1100.40.285 | 10 |
| M40x1.5 | 28.5          | 33.0          | 46 | 31      | 13      | -         | 1100.40.330 | 10 |
| M50x1.5 | 29.0          | 33.0          | 55 | 34      | 14      | -         | 1100.50.330 | 10 |
| M50x1.5 | 33.0          | 37.0          | 55 | 34      | 14      | -         | 1100.50.370 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55 | 34      | 14      | -         | 1100.50.420 | 10 |
| M63x1.5 | 35.0          | 40.0          | 70 | 37      | 14      | -         | 1100.63.400 | 5  |
| M63x1.5 | 40.0          | 46.0          | 70 | 37      | 14      | -         | 1100.63.460 | 5  |
| M63x1.5 | 46.0          | 52.0          | 70 | 37      | 14      | -         | 1100.63.520 | 5  |
| M75x1.5 | 45.0          | 50.0          | 80 | 38      | 15      | -         | 1100.75.500 | 1  |
| M75x1.5 | 50.0          | 56.0          | 80 | 38      | 15      | -         | 1100.75.560 | 1  |
| M75x1.5 | 56.0          | 63.0          | 80 | 38      | 15      | -         | 1100.75.630 | 1  |

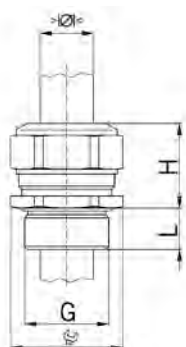


1 = METRIC COARSE-PITCH THREAD



## CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD METRIC



|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |

### PROGRESS MS



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

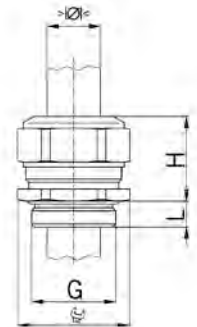


| G              | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |    |
|----------------|---------------|---------------|--------|---------|---------|----------------|----|
| <b>M16x1.5</b> | 6.0           | 10.5          | 18     | 22      | 10      | <b>1100.17</b> | 50 |
| <b>M20x1.5</b> | 8.0           | 15.0          | 24     | 23      | 10      | <b>1100.20</b> | 50 |
| <b>M25x1.5</b> | 12.5          | 20.5          | 30     | 28      | 11      | <b>1100.25</b> | 25 |
| <b>M32x1.5</b> | 17.0          | 25.5          | 36     | 28      | 13      | <b>1100.32</b> | 25 |
| <b>M40x1.5</b> | 24.0          | 33.0          | 46     | 31      | 13      | <b>1100.40</b> | 10 |
| <b>M50x1.5</b> | 33.0          | 42.0          | 55     | 34      | 14      | <b>1100.50</b> | 10 |
| <b>M63x1.5</b> | 40.0          | 52.0          | 70     | 37      | 14      | <b>1100.63</b> | 5  |
| <b>M75x1.5</b> | 50.0          | 63.0          | 80     | 38      | 15      | <b>1100.75</b> | 1  |

# CABLE GLANDS NICKEL-PLATED BRASS

## SHORT ENTRY THREAD PG

|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |



### PROGRESS MS



#### ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | PART. NO.   |    |
|-------|---------------|---------------|----|---------|---------|-------------|----|
| Pg 7  | 3.5           | 5.0           | 15 | 17      | 6.0     | 1060.07.050 | 50 |
| Pg 7  | 5.0           | 6.5           | 15 | 17      | 6.0     | 1060.07.065 | 50 |
| Pg 7  | 6.5           | 7.5           | 15 | 17      | 6.0     | 1060.07.075 | 50 |
| Pg 9  | 4.5           | 6.0           | 18 | 20      | 6.0     | 1060.09.060 | 50 |
| Pg 9  | 6.0           | 8.0           | 18 | 20      | 6.0     | 1060.09.080 | 50 |
| Pg 9  | 8.0           | 10.5          | 18 | 22      | 6.0     | 1060.09.105 | 50 |
| Pg 11 | 4.0           | 5.5           | 21 | 21      | 6.0     | 1060.11.055 | 50 |
| Pg 11 | 5.5           | 8.5           | 21 | 21      | 6.0     | 1060.11.085 | 50 |
| Pg 11 | 8.5           | 12.0          | 21 | 21      | 6.0     | 1060.11.120 | 50 |
| Pg 13 | 6.0           | 8.0           | 24 | 21      | 6.0     | 1060.13.080 | 50 |
| Pg 13 | 8.0           | 11.0          | 24 | 21      | 6.0     | 1060.13.110 | 50 |
| Pg 13 | 11.0          | 14.5          | 24 | 23      | 6.0     | 1060.13.145 | 50 |
| Pg 16 | 6.0           | 8.0           | 24 | 23      | 6.0     | 1060.16.080 | 50 |
| Pg 16 | 8.0           | 11.0          | 24 | 23      | 6.0     | 1060.16.110 | 50 |
| Pg 16 | 11.0          | 14.5          | 24 | 23      | 6.0     | 1060.16.145 | 50 |
| Pg 21 | 9.5           | 12.5          | 30 | 28      | 7.5     | 1060.21.125 | 25 |
| Pg 21 | 12.5          | 16.0          | 30 | 28      | 7.5     | 1060.21.160 | 25 |
| Pg 21 | 16.0          | 19.0          | 30 | 28      | 7.5     | 1060.21.190 | 25 |
| Pg 29 | 19.0          | 23.0          | 38 | 28      | 8.0     | 1060.29.230 | 25 |
| Pg 29 | 23.0          | 27.5          | 38 | 28      | 8.0     | 1060.29.275 | 25 |
| Pg 36 | 26.0          | 30.5          | 50 | 32      | 8.0     | 1060.36.305 | 10 |
| Pg 36 | 30.5          | 35.0          | 50 | 32      | 8.0     | 1060.36.350 | 10 |
| Pg 42 | 33.0          | 37.0          | 55 | 34      | 10.0    | 1060.42.370 | 10 |
| Pg 42 | 37.0          | 42.0          | 55 | 34      | 10.0    | 1060.42.420 | 10 |
| Pg 48 | 37.0          | 43.0          | 65 | 37      | 11.0    | 1060.48.430 | 10 |
| Pg 48 | 43.0          | 49.0          | 65 | 37      | 11.0    | 1060.48.490 | 10 |



### PROGRESS MS



#### TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

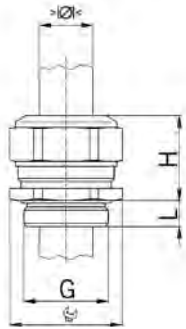
| G     | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | PART. NO. |    |
|-------|---------------|---------------|----|---------|---------|-----------|----|
| Pg 9  | 6.0           | 10.5          | 18 | 22      | 6.0     | 1060.09   | 50 |
| Pg 11 | 5.5           | 12.0          | 21 | 21      | 6.0     | 1060.11   | 50 |
| Pg 13 | 8.0           | 14.5          | 24 | 23      | 6.0     | 1060.13   | 50 |
| Pg 16 | 8.0           | 14.5          | 24 | 23      | 6.0     | 1060.16   | 50 |
| Pg 21 | 12.5          | 19.0          | 30 | 28      | 7.5     | 1060.21   | 25 |
| Pg 29 | 19.0          | 27.5          | 38 | 28      | 8.0     | 1060.29   | 25 |
| Pg 36 | 26.0          | 35.0          | 50 | 32      | 8.0     | 1060.36   | 10 |
| Pg 42 | 33.0          | 42.0          | 55 | 34      | 10.0    | 1060.42   | 10 |
| Pg 48 | 37.0          | 49.0          | 65 | 37      | 11.0    | 1060.48   | 10 |





## CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)  
 PROTECTION TYPE ADDITION: IP 69K

### PROGRESS MS

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G     | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.   |    |
|-------|---------------|---------------|---------|---------|---------|-------------|----|
| Pg 7  | 3.5           | 5.0           | 15      | 17      | 6.0     | 1000.07.050 | 50 |
| Pg 7  | 5.0           | 6.5           | 15      | 17      | 6.0     | 1000.07.065 | 50 |
| Pg 7  | 6.5           | 8.0           | 15      | 17      | 6.0     | 1000.07.080 | 50 |
| Pg 9  | 3.5           | 4.5           | 18      | 20      | 6.0     | 1000.09.045 | 50 |
| Pg 9  | 4.5           | 6.0           | 18      | 20      | 6.0     | 1000.09.060 | 50 |
| Pg 9  | 6.0           | 8.0           | 18      | 20      | 6.0     | 1000.09.080 | 50 |
| Pg 9  | 8.0           | 10.5          | 18      | 22      | 6.0     | 1000.09.105 | 50 |
| Pg 11 | 4.0           | 5.5           | 21      | 21      | 6.0     | 1000.11.055 | 50 |
| Pg 11 | 5.5           | 8.5           | 21      | 21      | 6.0     | 1000.11.085 | 50 |
| Pg 11 | 8.5           | 12.0          | 21      | 21      | 6.0     | 1000.11.120 | 50 |
| Pg 13 | 6.0           | 8.0           | 24      | 21      | 6.0     | 1000.13.080 | 50 |
| Pg 13 | 8.0           | 11.0          | 24      | 21      | 6.0     | 1000.13.110 | 50 |
| Pg 13 | 11.0          | 15.0          | 24      | 23      | 6.0     | 1000.13.150 | 50 |
| Pg 16 | 6.0           | 8.0           | 24      | 23      | 6.0     | 1000.16.080 | 50 |
| Pg 16 | 8.0           | 11.0          | 24      | 23      | 6.0     | 1000.16.110 | 50 |
| Pg 16 | 11.0          | 15.0          | 24      | 23      | 6.0     | 1000.16.150 | 50 |
| Pg 21 | 9.5           | 12.5          | 30      | 28      | 7.5     | 1000.21.125 | 25 |
| Pg 21 | 12.5          | 16.0          | 30      | 28      | 7.5     | 1000.21.160 | 25 |
| Pg 21 | 16.0          | 20.5          | 30      | 28      | 7.5     | 1000.21.205 | 25 |
| Pg 29 | 16.0          | 19.0          | 38      | 28      | 8.0     | 1000.29.190 | 25 |
| Pg 29 | 19.0          | 23.0          | 38      | 28      | 8.0     | 1000.29.230 | 25 |
| Pg 29 | 23.0          | 27.5          | 38      | 28      | 8.0     | 1000.29.275 | 25 |
| Pg 36 | 21.5          | 26.0          | 50      | 32      | 8.0     | 1000.36.260 | 10 |
| Pg 36 | 26.0          | 30.5          | 50      | 32      | 8.0     | 1000.36.305 | 10 |
| Pg 36 | 30.5          | 35.0          | 50      | 32      | 8.0     | 1000.36.350 | 10 |
| Pg 42 | 29.0          | 33.0          | 55      | 34      | 10.0    | 1000.42.330 | 10 |
| Pg 42 | 33.0          | 37.0          | 55      | 34      | 10.0    | 1000.42.370 | 10 |
| Pg 42 | 37.0          | 42.0          | 55      | 34      | 10.0    | 1000.42.420 | 10 |
| Pg 48 | 32.0          | 37.0          | 65      | 37      | 11.0    | 1000.48.370 | 10 |
| Pg 48 | 37.0          | 43.0          | 65      | 37      | 11.0    | 1000.48.430 | 10 |
| Pg 48 | 43.0          | 49.0          | 65      | 37      | 11.0    | 1000.48.490 | 10 |

### PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



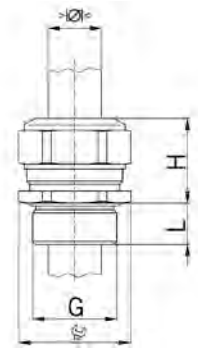
| G     | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |    |
|-------|---------------|---------------|---------|---------|---------|-----------|----|
| Pg 9  | 6.0           | 10.5          | 18      | 22      | 6.0     | 1000.09   | 50 |
| Pg 11 | 5.5           | 12.0          | 21      | 21      | 6.0     | 1000.11   | 50 |
| Pg 13 | 8.0           | 15.0          | 24      | 23      | 6.0     | 1000.13   | 50 |
| Pg 16 | 8.0           | 15.0          | 24      | 23      | 6.0     | 1000.16   | 50 |
| Pg 21 | 12.5          | 20.5          | 30      | 28      | 7.5     | 1000.21   | 25 |
| Pg 29 | 19.0          | 27.5          | 38      | 28      | 8.0     | 1000.29   | 25 |
| Pg 36 | 26.0          | 35.0          | 50      | 32      | 8.0     | 1000.36   | 10 |
| Pg 42 | 33.0          | 42.0          | 55      | 34      | 10.0    | 1000.42   | 10 |
| Pg 48 | 37.0          | 49.0          | 65      | 37      | 11.0    | 1000.48   | 10 |



## CABLE GLANDS NICKEL-PLATED BRASS

### LONG ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)  
 PROTECTION TYPE ADDITION: IP 69K



#### PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.   |  |
|-------|---------------|---------------|--------------------------------------------------------------------------------------|---------|---------|-------------|-------------------------------------------------------------------------------------|
| Pg 7  | 5.0           | 6.5           | 15                                                                                   | 17      | 10      | 1160.07.065 | 50                                                                                  |
| Pg 7  | 6.5           | 7.5           | 15                                                                                   | 17      | 10      | 1160.07.075 | 50                                                                                  |
| Pg 9  | 8.0           | 10.5          | 18                                                                                   | 22      | 10      | 1160.09.105 | 50                                                                                  |
| Pg 11 | 8.5           | 12.0          | 21                                                                                   | 21      | 10      | 1160.11.120 | 50                                                                                  |
| Pg 13 | 11.0          | 14.5          | 24                                                                                   | 23      | 10      | 1160.13.145 | 50                                                                                  |
| Pg 16 | 11.0          | 14.5          | 24                                                                                   | 23      | 10      | 1160.16.145 | 50                                                                                  |
| Pg 21 | 16.0          | 19.0          | 30                                                                                   | 28      | 12      | 1160.21.190 | 25                                                                                  |
| Pg 29 | 23.0          | 27.5          | 38                                                                                   | 28      | 12      | 1160.29.275 | 25                                                                                  |
| Pg 36 | 30.5          | 35.0          | 50                                                                                   | 32      | 15      | 1160.36.350 | 10                                                                                  |
| Pg 42 | 37.0          | 42.0          | 55                                                                                   | 32      | 15      | 1160.42.420 | 10                                                                                  |
| Pg 48 | 43.0          | 49.0          | 65                                                                                   | 37      | 15      | 1160.48.490 | 10                                                                                  |



#### PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO. |  |
|-------|---------------|---------------|----------------------------------------------------------------------------------------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 18                                                                                     | 22      | 10      | 1160.09   | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 21                                                                                     | 21      | 10      | 1160.11   | 50                                                                                    |
| Pg 13 | 8.0           | 14.5          | 24                                                                                     | 23      | 10      | 1160.13   | 50                                                                                    |
| Pg 16 | 8.0           | 14.5          | 24                                                                                     | 23      | 10      | 1160.16   | 50                                                                                    |
| Pg 21 | 12.5          | 19.0          | 30                                                                                     | 28      | 12      | 1160.21   | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 38                                                                                     | 28      | 12      | 1160.29   | 25                                                                                    |
| Pg 36 | 26.0          | 35.0          | 50                                                                                     | 32      | 15      | 1160.36   | 10                                                                                    |
| Pg 42 | 33.0          | 42.0          | 55                                                                                     | 34      | 15      | 1160.42   | 10                                                                                    |
| Pg 48 | 37.0          | 49.0          | 65                                                                                     | 37      | 15      | 1160.48   | 10                                                                                    |





## CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD PG



|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |

### PROGRESS MS

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G     | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.   |    |
|-------|---------------|---------------|---------|---------|---------|-------------|----|
| Pg 7  | 3.5           | 5.0           | 15      | 17      | 10      | 1100.07.050 | 50 |
| Pg 7  | 5.0           | 6.5           | 15      | 17      | 10      | 1100.07.065 | 50 |
| Pg 7  | 6.5           | 8.0           | 15      | 17      | 10      | 1100.07.080 | 50 |
| Pg 9  | 3.5           | 4.5           | 18      | 20      | 10      | 1100.09.045 | 50 |
| Pg 9  | 4.5           | 6.0           | 18      | 20      | 10      | 1100.09.060 | 50 |
| Pg 9  | 6.0           | 8.0           | 18      | 20      | 10      | 1100.09.080 | 50 |
| Pg 9  | 8.0           | 10.5          | 18      | 22      | 10      | 1100.09.105 | 50 |
| Pg 11 | 4.0           | 5.5           | 21      | 21      | 10      | 1100.11.055 | 50 |
| Pg 11 | 5.5           | 8.5           | 21      | 21      | 10      | 1100.11.085 | 50 |
| Pg 11 | 8.5           | 12.0          | 21      | 21      | 10      | 1100.11.120 | 50 |
| Pg 13 | 6.0           | 8.0           | 24      | 21      | 10      | 1100.13.080 | 50 |
| Pg 13 | 8.0           | 11.0          | 24      | 21      | 10      | 1100.13.110 | 50 |
| Pg 13 | 11.0          | 15.0          | 24      | 23      | 10      | 1100.13.150 | 50 |
| Pg 16 | 6.0           | 8.0           | 24      | 23      | 10      | 1100.16.080 | 50 |
| Pg 16 | 8.0           | 11.0          | 24      | 23      | 10      | 1100.16.110 | 50 |
| Pg 16 | 11.0          | 15.0          | 24      | 23      | 10      | 1100.16.150 | 50 |
| Pg 21 | 9.5           | 12.5          | 30      | 28      | 12      | 1100.21.125 | 25 |
| Pg 21 | 12.5          | 16.0          | 30      | 28      | 12      | 1100.21.160 | 25 |
| Pg 21 | 16.0          | 20.5          | 30      | 28      | 12      | 1100.21.205 | 25 |
| Pg 29 | 16.0          | 19.0          | 38      | 28      | 12      | 1100.29.190 | 25 |
| Pg 29 | 19.0          | 23.0          | 38      | 28      | 12      | 1100.29.230 | 25 |
| Pg 29 | 23.0          | 27.5          | 38      | 28      | 12      | 1100.29.275 | 25 |
| Pg 36 | 21.5          | 26.0          | 50      | 32      | 15      | 1100.36.260 | 10 |
| Pg 36 | 26.0          | 30.5          | 50      | 32      | 15      | 1100.36.305 | 10 |
| Pg 36 | 30.5          | 35.0          | 50      | 32      | 15      | 1100.36.350 | 10 |
| Pg 42 | 29.0          | 33.0          | 55      | 34      | 15      | 1100.42.330 | 10 |
| Pg 42 | 33.0          | 37.0          | 55      | 34      | 15      | 1100.42.370 | 10 |
| Pg 42 | 37.0          | 42.0          | 55      | 34      | 15      | 1100.42.420 | 10 |
| Pg 48 | 32.0          | 37.0          | 65      | 37      | 15      | 1100.48.370 | 10 |
| Pg 48 | 37.0          | 43.0          | 65      | 37      | 15      | 1100.48.430 | 10 |
| Pg 48 | 43.0          | 49.0          | 65      | 37      | 15      | 1100.48.490 | 10 |

### PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

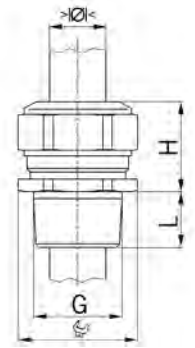


| G     | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |    |
|-------|---------------|---------------|---------|---------|---------|-----------|----|
| Pg 9  | 6.0           | 10.5          | 18      | 22      | 10      | 1100.09   | 50 |
| Pg 11 | 5.5           | 12.0          | 21      | 21      | 10      | 1100.11   | 50 |
| Pg 13 | 8.0           | 15.0          | 24      | 23      | 10      | 1100.13   | 50 |
| Pg 16 | 8.0           | 15.0          | 24      | 23      | 10      | 1100.16   | 50 |
| Pg 21 | 12.5          | 20.5          | 30      | 28      | 12      | 1100.21   | 25 |
| Pg 29 | 19.0          | 27.5          | 38      | 28      | 12      | 1100.29   | 25 |
| Pg 36 | 26.0          | 35.0          | 50      | 32      | 15      | 1100.36   | 10 |
| Pg 42 | 33.0          | 42.0          | 55      | 34      | 15      | 1100.42   | 10 |
| Pg 48 | 37.0          | 49.0          | 65      | 37      | 15      | 1100.48   | 10 |

## CABLE GLANDS NICKEL-PLATED BRASS

ENTRY THREAD NPT

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                  |
| SEAL:                     | TPE                                  |
| TEMPERATURE RANGE:        | -40°C / +100°C                       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                 |
| PROTECTION TYPE ADDITION: | IP 69K                               |
| ENTRY THREAD:             | IP 68, IF THE ENTRY THREAD IS SEALED |



### PROGRESS NPT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G          | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO. |                     |
|------------|---------------|---------------|---------|---------|-----------|---------------------|
| NPT 1/8"   | 3.0           | 4.0           | 13      | 15      | 8         | 1000.1/8NPT.040 50  |
| NPT 1/8"   | 4.0           | 6.0           | 13      | 15      | 8         | 1000.1/8NPT.060 50  |
| NPT 1/4"   | 3.5           | 5.0           | 15      | 17      | 12        | 1000.1/4NPT.050 50  |
| NPT 1/4"   | 5.0           | 6.5           | 15      | 17      | 12        | 1000.1/4NPT.065 50  |
| NPT 1/4"   | 6.5           | 8.0           | 15      | 17      | 12        | 1000.1/4NPT.080 50  |
| NPT 3/8"   | 3.5           | 4.5           | 18      | 20      | 12        | 1000.3/8NPT.045 50  |
| NPT 3/8"   | 4.5           | 6.0           | 18      | 20      | 12        | 1000.3/8NPT.060 50  |
| NPT 3/8"   | 6.0           | 8.0           | 18      | 20      | 12        | 1000.3/8NPT.080 50  |
| NPT 3/8"   | 8.0           | 10.5          | 18      | 22      | 12        | 1000.3/8NPT.105 50  |
| NPT 1/2"   | 6.0           | 8.0           | 24      | 21      | 15        | 1000.1/2NPT.080 50  |
| NPT 1/2"   | 8.0           | 11.0          | 24      | 21      | 15        | 1000.1/2NPT.110 50  |
| NPT 1/2"   | 11.0          | 15.0          | 24      | 23      | 15        | 1000.1/2NPT.150 50  |
| NPT 3/4"   | 9.5           | 12.5          | 30      | 28      | 15        | 1000.3/4NPT.125 25  |
| NPT 3/4"   | 12.5          | 16.0          | 30      | 28      | 15        | 1000.3/4NPT.160 25  |
| NPT 3/4"   | 16.0          | 20.5          | 30      | 28      | 15        | 1000.3/4NPT.205 25  |
| NPT 1"     | 14.0          | 17.0          | 36      | 28      | 20        | 1000.1NPT.170 25    |
| NPT 1"     | 17.0          | 21.0          | 36      | 28      | 20        | 1000.1NPT.210 25    |
| NPT 1"     | 21.0          | 25.5          | 36      | 28      | 20        | 1000.1NPT.255 25    |
| NPT 1 1/4" | 20.0          | 24.0          | 46      | 31      | 20        | 1000.11/4NPT.240 10 |
| NPT 1 1/4" | 24.0          | 28.5          | 46      | 31      | 20        | 1000.11/4NPT.285 10 |
| NPT 1 1/4" | 28.5          | 33.0          | 46      | 31      | 20        | 1000.11/4NPT.330 10 |
| NPT 1 1/2" | 29.0          | 33.0          | 55      | 34      | 22        | 1000.11/2NPT.330 10 |
| NPT 1 1/2" | 33.0          | 37.0          | 55      | 34      | 22        | 1000.11/2NPT.370 10 |
| NPT 1 1/2" | 37.0          | 41.0          | 55      | 34      | 22        | 1000.11/2NPT.410 10 |
| NPT 2"     | 35.0          | 40.0          | 70      | 37      | 22        | 1000.2NPT.400 5     |
| NPT 2"     | 40.0          | 46.0          | 70      | 37      | 22        | 1000.2NPT.460 5     |
| NPT 2"     | 46.0          | 52.0          | 70      | 37      | 22        | 1000.2NPT.520 5     |



### PROGRESS NPT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

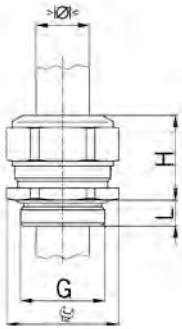
| G          | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO. |                 |
|------------|---------------|---------------|---------|---------|-----------|-----------------|
| NPT 3/8"   | 6.0           | 10.5          | 18      | 22      | 12        | 1000.3/8NPT 50  |
| NPT 1/2"   | 8.0           | 15.0          | 24      | 23      | 15        | 1000.1/2NPT 50  |
| NPT 3/4"   | 12.5          | 20.5          | 30      | 28      | 15        | 1000.3/4NPT 25  |
| NPT 1"     | 17.0          | 25.5          | 36      | 28      | 20        | 1000.1NPT 25    |
| NPT 1 1/4" | 24.0          | 33.0          | 46      | 31      | 20        | 1000.11/4NPT 10 |
| NPT 1 1/2" | 33.0          | 41.0          | 55      | 34      | 22        | 1000.11/2NPT 10 |
| NPT 2"     | 40.0          | 52.0          | 70      | 37      | 22        | 1000.2NPT 5     |





## CABLE GLANDS NICKEL-PLATED BRASS

GAS-PIPE ENTRY THREAD



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G               | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.             |  |
|-----------------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|-----------|-----------------------|-------------------------------------------------------------------------------------|
| <b>G 3/8"</b>   | 5.5           | 12.0          | 21                                                                                      | 21      | 6       | -         | <b>1000.3/8G</b>      | 50                                                                                  |
| <b>G 1/2"</b>   | 8.0           | 15.0          | 24                                                                                      | 23      | 8       | -         | <b>1000.1/2G</b>      | 50                                                                                  |
| <b>G 3/4"</b>   | 12.5          | 20.5          | 30                                                                                      | 28      | 10      | -         | <b>1000.3/4G</b>      | 25                                                                                  |
| <b>G 1"</b>     | 17.0          | 25.5          | 36                                                                                      | 28      | 11      | -         | <b>1000.1G</b>        | 25                                                                                  |
| <b>G 1 1/2"</b> | 25.0          | 35.0          | 55/50                                                                                   | 32      | 12      | -         | <b>1000.1 1/2G</b>    | 10                                                                                  |
| <b>G 2"</b>     | 37.0          | 49.0          | 65                                                                                      | 37      | 12      | -         | <b>1000.2G</b>        | 10                                                                                  |
| <b>G 2 1/2"</b> | 45.0          | 50.0          | 80                                                                                      | 38      | 18      | 1         | <b>1000.21/2G.500</b> | 1                                                                                   |
| <b>G 2 1/2"</b> | 50.0          | 56.0          | 80                                                                                      | 38      | 18      | 1         | <b>1000.21/2G.560</b> | 1                                                                                   |
| <b>G 3"</b>     | 56.0          | 63.0          | 80                                                                                      | 38      | 18      | 1         | <b>1000.3G.630</b>    | 1                                                                                   |
| <b>G 3"</b>     | 63.0          | 70.0          | 95                                                                                      | 40      | 18      | 1         | <b>1000.3G.700</b>    | 1                                                                                   |

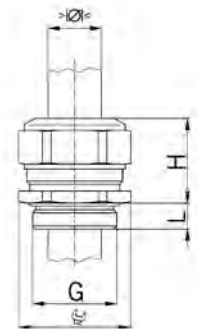
1 = ONE-PIECE SEALING INSERT

## CABLE GLANDS NICKEL-PLATED BRASS

### FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD METRIC

|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | FPM                             |
| O-RING:                   | FPM                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +200°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |

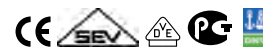


#### PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |  |
|---------|---------------|---------------|--------------------------------------------------------------------------------------|---------|---------|-----------|----------------|-------------------------------------------------------------------------------------|
| M6x1.0  | 2.0           | 2.5           | 8                                                                                    | 12      | 5       | 1         | 1000.06.91.025 | 50                                                                                  |
| M6x1.0  | 2.5           | 3.0           | 8                                                                                    | 12      | 5       | 1         | 1000.06.91.030 | 50                                                                                  |
| M6x1.0  | 3.0           | 3.5           | 8                                                                                    | 12      | 5       | 1         | 1000.06.91.035 | 50                                                                                  |
| M8x1.25 | 2.5           | 3.5           | 11                                                                                   | 14      | 5       | 1         | 1000.08.91.035 | 50                                                                                  |
| M8x1.25 | 3.5           | 5.0           | 11                                                                                   | 14      | 5       | 1         | 1000.08.91.050 | 50                                                                                  |
| M10x1.5 | 3.0           | 4.0           | 13                                                                                   | 15      | 5       | 1         | 1000.10.91.040 | 50                                                                                  |
| M10x1.5 | 4.0           | 6.0           | 13                                                                                   | 15      | 5       | 1         | 1000.10.91.060 | 50                                                                                  |
| M12x1.5 | 3.5           | 5.0           | 15                                                                                   | 17      | 5       | -         | 1000.12.91.050 | 50                                                                                  |
| M12x1.5 | 5.0           | 6.5           | 15                                                                                   | 17      | 5       | -         | 1000.12.91.065 | 50                                                                                  |
| M12x1.5 | 6.5           | 8.0           | 15                                                                                   | 17      | 5       | -         | 1000.12.91.080 | 50                                                                                  |
| M16x1.5 | 8.0           | 10.5          | 18                                                                                   | 22      | 5       | -         | 1000.17.91.105 | 50                                                                                  |
| M20x1.5 | 11.0          | 15.0          | 24                                                                                   | 23      | 6       | -         | 1000.20.91.150 | 50                                                                                  |
| M25x1.5 | 16.0          | 20.5          | 30                                                                                   | 28      | 7       | -         | 1000.25.91.205 | 25                                                                                  |
| M32x1.5 | 21.0          | 25.5          | 36                                                                                   | 28      | 8       | -         | 1000.32.91.255 | 25                                                                                  |
| M40x1.5 | 28.5          | 33.0          | 46                                                                                   | 31      | 8       | -         | 1000.40.91.330 | 10                                                                                  |
| M50x1.5 | 37.0          | 42.0          | 55                                                                                   | 34      | 9       | -         | 1000.50.91.420 | 10                                                                                  |
| M63x1.5 | 46.0          | 52.0          | 70                                                                                   | 37      | 10      | -         | 1000.63.91.520 | 5                                                                                   |

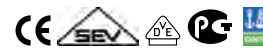
1 = METRIC COARSE-PITCH THREAD



#### PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.  |  |
|---------|---------------|---------------|----------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| M16x1.5 | 6.0           | 10.5          | 18                                                                                     | 22      | 5       | 1000.17.92 | 50                                                                                    |
| M20x1.5 | 8.0           | 15.0          | 24                                                                                     | 23      | 6       | 1000.20.92 | 50                                                                                    |
| M25x1.5 | 12.5          | 20.5          | 30                                                                                     | 28      | 7       | 1000.25.92 | 25                                                                                    |
| M32x1.5 | 17.0          | 25.5          | 36                                                                                     | 28      | 8       | 1000.32.92 | 25                                                                                    |
| M40x1.5 | 24.0          | 33.0          | 46                                                                                     | 31      | 8       | 1000.40.92 | 10                                                                                    |
| M50x1.5 | 33.0          | 42.0          | 55                                                                                     | 34      | 9       | 1000.50.92 | 10                                                                                    |
| M63x1.5 | 40.0          | 52.0          | 70                                                                                     | 37      | 10      | 1000.63.92 | 5                                                                                     |





## CABLE GLANDS NICKEL-PLATED BRASS FOR HIGH TEMPERATURE APPLICATIONS LONG ENTRY THREAD METRIC



|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | FPM                             |
| O-RING:                   | FPM                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +200°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |

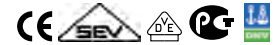


### PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----------------|----|
| M6x1.0  | 2.0           | 2.5           | 8       | 12      | 8       | 1         | 1100.06.91.025 | 50 |
| M6x1.0  | 2.5           | 3.0           | 8       | 12      | 8       | 1         | 1100.06.91.030 | 50 |
| M6x1.0  | 3.0           | 3.5           | 8       | 12      | 8       | 1         | 1100.06.91.035 | 50 |
| M8x1.25 | 2.5           | 3.5           | 11      | 14      | 10      | 1         | 1100.08.91.035 | 50 |
| M8x1.25 | 3.5           | 5.0           | 11      | 14      | 10      | 1         | 1100.08.91.050 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13      | 15      | 10      | 1         | 1100.10.91.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 15      | 10      | 1         | 1100.10.91.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 15      | 17      | 10      | -         | 1100.12.91.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15      | 17      | 10      | -         | 1100.12.91.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 15      | 17      | 10      | -         | 1100.12.91.080 | 50 |
| M16x1.5 | 8.0           | 10.5          | 18      | 22      | 10      | -         | 1100.17.91.105 | 50 |
| M20x1.5 | 11.0          | 15.0          | 24      | 23      | 10      | -         | 1100.20.91.150 | 50 |
| M25x1.5 | 16.0          | 20.5          | 30      | 28      | 11      | -         | 1100.25.91.205 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36      | 28      | 13      | -         | 1100.32.91.255 | 25 |
| M40x1.5 | 28.5          | 33.0          | 46      | 31      | 13      | -         | 1100.40.91.330 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55      | 34      | 14      | -         | 1100.50.91.420 | 10 |
| M63x1.5 | 46.0          | 52.0          | 70      | 37      | 14      | -         | 1100.63.91.520 | 5  |

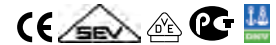
1 = METRIC COARSE-PITCH THREAD



### PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|---------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 18      | 22      | 10      | 1100.17.92 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24      | 23      | 10      | 1100.20.92 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30      | 28      | 11      | 1100.25.92 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36      | 28      | 13      | 1100.32.92 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46      | 31      | 13      | 1100.40.92 | 10 |
| M50x1.5 | 33.0          | 42.0          | 55      | 34      | 14      | 1100.50.92 | 10 |
| M63x1.5 | 40.0          | 52.0          | 70      | 37      | 14      | 1100.63.92 | 5  |



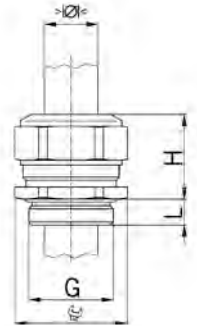


## CABLE GLANDS NICKEL-PLATED BRASS

### FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: FPM  
 O-RING: FPM  
 TEMPERATURE RANGE: -40°C / +200°C  
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)  
 PROTECTION TYPE ADDITION: IP 69K



#### PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |  |
|-------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|----------------|-------------------------------------------------------------------------------------|
| Pg 7  | 3.5           | 5.0           | 15                                                                                      | 17      | 6       | 1000.07.91.050 | 50                                                                                  |
| Pg 7  | 5.0           | 6.5           | 15                                                                                      | 17      | 6       | 1000.07.91.065 | 50                                                                                  |
| Pg 7  | 6.5           | 8.0           | 15                                                                                      | 17      | 6       | 1000.07.91.080 | 50                                                                                  |
| Pg 9  | 8.0           | 10.5          | 18                                                                                      | 22      | 6       | 1000.09.91.105 | 50                                                                                  |
| Pg 11 | 8.5           | 12.0          | 21                                                                                      | 21      | 6       | 1000.11.91.120 | 50                                                                                  |
| Pg 13 | 11.0          | 15.0          | 24                                                                                      | 23      | 6       | 1000.13.91.150 | 50                                                                                  |
| Pg 16 | 11.0          | 15.0          | 24                                                                                      | 23      | 6       | 1000.16.91.150 | 50                                                                                  |
| Pg 21 | 16.0          | 20.5          | 30                                                                                      | 28      | 7       | 1000.21.91.205 | 25                                                                                  |
| Pg 29 | 23.0          | 27.5          | 38                                                                                      | 28      | 8       | 1000.29.91.275 | 25                                                                                  |
| Pg 36 | 30.5          | 35.0          | 50                                                                                      | 32      | 8       | 1000.36.91.350 | 10                                                                                  |
| Pg 42 | 37.0          | 42.0          | 55                                                                                      | 34      | 10      | 1000.42.91.420 | 10                                                                                  |
| Pg 48 | 43.0          | 49.0          | 65                                                                                      | 37      | 11      | 1000.48.91.490 | 10                                                                                  |



#### PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|-------------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 18                                                                                        | 22      | 6       | 1000.09.92 | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 21                                                                                        | 21      | 6       | 1000.11.92 | 50                                                                                    |
| Pg 13 | 8.0           | 15.0          | 24                                                                                        | 23      | 6       | 1000.13.92 | 50                                                                                    |
| Pg 16 | 8.0           | 15.0          | 24                                                                                        | 23      | 6       | 1000.16.92 | 50                                                                                    |
| Pg 21 | 12.5          | 20.5          | 30                                                                                        | 28      | 7       | 1000.21.92 | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 38                                                                                        | 28      | 8       | 1000.29.92 | 25                                                                                    |
| Pg 36 | 26.0          | 35.0          | 50                                                                                        | 32      | 8       | 1000.36.92 | 10                                                                                    |
| Pg 42 | 33.0          | 42.0          | 55                                                                                        | 34      | 10      | 1000.42.92 | 10                                                                                    |
| Pg 48 | 37.0          | 49.0          | 65                                                                                        | 37      | 11      | 1000.48.92 | 10                                                                                    |





## CABLE GLANDS NICKEL-PLATED BRASS

### FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD PG



|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SEAL:                     | FPM                  |
| O-RING:                   | FPM                  |
| TEMPERATURE RANGE:        | -40°C / +200°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |

#### PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|--------------|---------------|---------------|---------|---------|---------|-----------------------|----|
| <b>Pg 7</b>  | 3.5           | 5.0           | 15      | 17      | 10      | <b>1100.07.91.050</b> | 50 |
| <b>Pg 7</b>  | 5.0           | 6.5           | 15      | 17      | 10      | <b>1100.07.91.065</b> | 50 |
| <b>Pg 7</b>  | 6.5           | 8.0           | 15      | 17      | 10      | <b>1100.07.91.080</b> | 50 |
| <b>Pg 9</b>  | 8.0           | 10.5          | 18      | 22      | 10      | <b>1100.09.91.105</b> | 50 |
| <b>Pg 11</b> | 8.5           | 12.0          | 21      | 21      | 10      | <b>1100.11.91.120</b> | 50 |
| <b>Pg 13</b> | 11.0          | 15.0          | 24      | 23      | 10      | <b>1100.13.91.150</b> | 50 |
| <b>Pg 16</b> | 11.0          | 15.0          | 24      | 23      | 10      | <b>1100.16.91.150</b> | 50 |
| <b>Pg 21</b> | 16.0          | 20.5          | 30      | 28      | 12      | <b>1100.21.91.205</b> | 25 |
| <b>Pg 29</b> | 23.0          | 27.5          | 38      | 28      | 12      | <b>1100.29.91.275</b> | 25 |
| <b>Pg 36</b> | 30.5          | 35.0          | 50      | 32      | 15      | <b>1100.36.91.350</b> | 10 |
| <b>Pg 42</b> | 37.0          | 42.0          | 55      | 34      | 15      | <b>1100.42.91.420</b> | 10 |
| <b>Pg 48</b> | 43.0          | 49.0          | 65      | 37      | 15      | <b>1100.48.91.490</b> | 10 |

#### PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

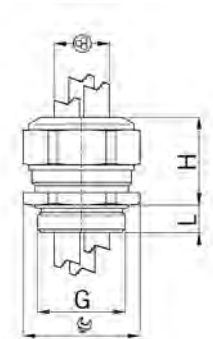
| G            | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.         |    |
|--------------|---------------|---------------|---------|---------|---------|-------------------|----|
| <b>Pg 9</b>  | 6.0           | 10.5          | 18      | 22      | 10      | <b>1100.09.92</b> | 50 |
| <b>Pg 11</b> | 5.5           | 12.0          | 21      | 21      | 10      | <b>1100.11.92</b> | 50 |
| <b>Pg 13</b> | 8.0           | 15.0          | 24      | 23      | 10      | <b>1100.13.92</b> | 50 |
| <b>Pg 16</b> | 8.0           | 15.0          | 24      | 23      | 10      | <b>1100.16.92</b> | 50 |
| <b>Pg 21</b> | 12.5          | 20.5          | 30      | 28      | 12      | <b>1100.21.92</b> | 25 |
| <b>Pg 29</b> | 19.0          | 27.5          | 38      | 28      | 12      | <b>1100.29.92</b> | 25 |
| <b>Pg 36</b> | 26.0          | 35.0          | 50      | 32      | 15      | <b>1100.36.92</b> | 10 |
| <b>Pg 42</b> | 33.0          | 42.0          | 55      | 34      | 15      | <b>1100.42.92</b> | 10 |
| <b>Pg 48</b> | 37.0          | 49.0          | 65      | 37      | 15      | <b>1100.48.92</b> | 10 |

# CABLE GLANDS NICKEL-PLATED BRASS

## FOR INSTALLATION OF MULTIPLE CABLES

### SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm |   |    | H<br>mm | L<br>mm | PART. NO.     |    |
|---------|---------------|---------------|---|----|---------|---------|---------------|----|
| M16x1.5 | 2.0           | 3.0           | 2 | 18 | 22      | 5       | 1310.17.2.030 | 50 |
| M16x1.5 | 2.5           | 4.0           | 2 | 18 | 22      | 5       | 1310.17.2.040 | 50 |
| M16x1.5 | 3.5           | 5.0           | 2 | 18 | 22      | 5       | 1310.17.2.050 | 50 |
| M20x1.5 | 3.5           | 5.0           | 2 | 24 | 23      | 6       | 1310.20.2.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 2 | 24 | 23      | 6       | 1310.20.2.060 | 50 |
| M20x1.5 | 5.5           | 7.5           | 2 | 24 | 23      | 6       | 1310.20.2.075 | 50 |
| M20x1.5 | 3.5           | 5.0           | 3 | 24 | 23      | 6       | 1310.20.3.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 3 | 24 | 23      | 6       | 1310.20.3.060 | 50 |
| M20x1.5 | 5.2           | 6.5           | 3 | 24 | 23      | 6       | 1310.20.3.065 | 50 |
| M20x1.5 | 3.5           | 5.0           | 4 | 24 | 23      | 6       | 1310.20.4.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 4 | 24 | 23      | 6       | 1310.20.4.060 | 50 |
| M25x1.5 | 5.0           | 7.0           | 2 | 30 | 28      | 7       | 1310.25.2.070 | 25 |
| M25x1.5 | 6.7           | 9.0           | 2 | 30 | 28      | 7       | 1310.25.2.090 | 25 |
| M25x1.5 | 7.7           | 10.0          | 2 | 30 | 28      | 7       | 1310.25.2.100 | 25 |
| M25x1.5 | 5.5           | 7.0           | 3 | 30 | 28      | 7       | 1310.25.3.070 | 25 |
| M25x1.5 | 6.8           | 9.0           | 3 | 30 | 28      | 7       | 1310.25.3.090 | 25 |
| M25x1.5 | 5.5           | 7.0           | 4 | 30 | 28      | 7       | 1310.25.4.070 | 25 |
| M25x1.5 | 4.8           | 6.0           | 6 | 30 | 28      | 7       | 1310.25.6.060 | 25 |
| M32x1.5 | 9.0           | 11.5          | 2 | 36 | 28      | 8       | 1310.32.2.115 | 25 |
| M32x1.5 | 7.0           | 9.0           | 3 | 36 | 28      | 8       | 1310.32.3.090 | 25 |
| M32x1.5 | 8.5           | 10.5          | 3 | 36 | 28      | 8       | 1310.32.3.105 | 25 |
| M32x1.5 | 7.0           | 9.0           | 4 | 36 | 28      | 8       | 1310.32.4.090 | 25 |
| M32x1.5 | 5.8           | 7.0           | 6 | 36 | 28      | 8       | 1310.32.6.070 | 25 |



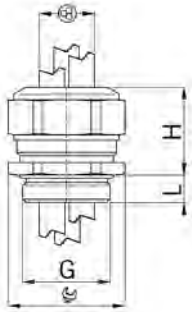
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



## CABLE GLANDS NICKEL-PLATED BRASS

### FOR INSTALLATION OF MULTIPLE CABLES

LONG ENTRY THREAD METRIC

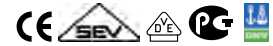


MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø | H<br>mm | L<br>mm | PART. NO.     |    |
|---------|---------------|---------------|---|---------|---------|---------------|----|
| M16x1.5 | 2.0           | 3.0           | 2 | 18      | 22      | 1311.17.2.030 | 50 |
| M16x1.5 | 2.5           | 4.0           | 2 | 18      | 22      | 1311.17.2.040 | 50 |
| M16x1.5 | 3.5           | 5.0           | 2 | 18      | 22      | 1311.17.2.050 | 50 |
| M20x1.5 | 3.5           | 5.0           | 2 | 24      | 23      | 1311.20.2.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 2 | 24      | 23      | 1311.20.2.060 | 50 |
| M20x1.5 | 5.5           | 7.5           | 2 | 24      | 23      | 1311.20.2.075 | 50 |
| M20x1.5 | 3.5           | 5.0           | 3 | 24      | 23      | 1311.20.3.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 3 | 24      | 23      | 1311.20.3.060 | 50 |
| M20x1.5 | 5.2           | 6.5           | 3 | 24      | 23      | 1311.20.3.065 | 50 |
| M20x1.5 | 3.5           | 5.0           | 4 | 24      | 23      | 1311.20.4.050 | 50 |
| M20x1.5 | 4.5           | 6.0           | 4 | 24      | 23      | 1311.20.4.060 | 50 |
| M25x1.5 | 5.0           | 7.0           | 2 | 30      | 28      | 1311.25.2.070 | 25 |
| M25x1.5 | 6.7           | 9.0           | 2 | 30      | 28      | 1311.25.2.090 | 25 |
| M25x1.5 | 7.7           | 10.0          | 2 | 30      | 28      | 1311.25.2.100 | 25 |
| M25x1.5 | 5.5           | 7.0           | 3 | 30      | 28      | 1311.25.3.070 | 25 |
| M25x1.5 | 6.8           | 9.0           | 3 | 30      | 28      | 1311.25.3.090 | 25 |
| M25x1.5 | 5.5           | 7.0           | 4 | 30      | 28      | 1311.25.4.070 | 25 |
| M25x1.5 | 4.8           | 6.0           | 6 | 30      | 28      | 1311.25.6.060 | 25 |
| M32x1.5 | 9.0           | 11.5          | 2 | 36      | 28      | 1311.32.2.115 | 25 |
| M32x1.5 | 7.0           | 9.0           | 3 | 36      | 28      | 1311.32.3.090 | 25 |
| M32x1.5 | 8.5           | 10.5          | 3 | 36      | 28      | 1311.32.3.105 | 25 |
| M32x1.5 | 7.0           | 9.0           | 4 | 36      | 28      | 1311.32.4.090 | 25 |
| M32x1.5 | 5.8           | 7.0           | 6 | 36      | 28      | 1311.32.6.070 | 25 |

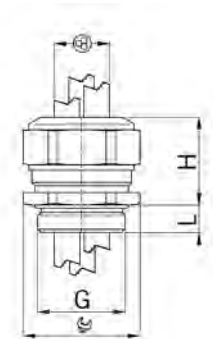
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

# CABLE GLANDS NICKEL-PLATED BRASS

## FOR INSTALLATION OF MULTIPLE CABLES

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



### PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |   |    | H<br>mm | L<br>mm | PART. NO.     |    |
|-------|---------------|---------------|---|----|---------|---------|---------------|----|
| Pg 9  | 2.0           | 3.0           | 2 | 18 | 22      | 6.0     | 1310.09.2.030 | 50 |
| Pg 9  | 2.5           | 4.0           | 2 | 18 | 22      | 6.0     | 1310.09.2.040 | 50 |
| Pg 9  | 3.5           | 5.0           | 2 | 18 | 22      | 6.0     | 1310.09.2.050 | 50 |
| Pg 11 | 3.5           | 5.0           | 2 | 21 | 21      | 6.0     | 1310.11.2.050 | 50 |
| Pg 11 | 4.5           | 6.0           | 2 | 21 | 21      | 6.0     | 1310.11.2.060 | 50 |
| Pg 11 | 5.5           | 7.5           | 2 | 24 | 23      | 6.0     | 1310.11.2.075 | 50 |
| Pg 11 | 3.5           | 5.0           | 3 | 21 | 21      | 6.0     | 1310.11.3.050 | 50 |
| Pg 13 | 3.5           | 5.0           | 2 | 24 | 23      | 6.0     | 1310.13.2.050 | 50 |
| Pg 13 | 4.5           | 6.0           | 2 | 24 | 23      | 6.0     | 1310.13.2.060 | 50 |
| Pg 13 | 5.5           | 7.5           | 2 | 24 | 23      | 6.0     | 1310.13.2.075 | 50 |
| Pg 13 | 3.5           | 5.0           | 3 | 24 | 23      | 6.0     | 1310.13.3.050 | 50 |
| Pg 13 | 4.5           | 6.0           | 3 | 24 | 23      | 6.0     | 1310.13.3.060 | 50 |
| Pg 13 | 5.2           | 6.5           | 3 | 24 | 23      | 6.0     | 1310.13.3.065 | 50 |
| Pg 13 | 3.5           | 5.0           | 4 | 24 | 23      | 6.0     | 1310.13.4.050 | 50 |
| Pg 13 | 4.5           | 6.0           | 4 | 24 | 23      | 6.0     | 1310.13.4.060 | 50 |
| Pg 16 | 3.5           | 5.0           | 2 | 24 | 23      | 6.0     | 1310.16.2.050 | 50 |
| Pg 16 | 4.5           | 6.0           | 2 | 24 | 23      | 6.0     | 1310.16.2.060 | 50 |
| Pg 16 | 5.5           | 7.5           | 2 | 24 | 23      | 6.0     | 1310.16.2.075 | 50 |
| Pg 16 | 6.7           | 9.0           | 2 | 30 | 28      | 6.0     | 1310.16.2.090 | 25 |
| Pg 16 | 3.5           | 5.0           | 3 | 24 | 23      | 6.0     | 1310.16.3.050 | 50 |
| Pg 16 | 4.5           | 6.0           | 3 | 24 | 23      | 6.0     | 1310.16.3.060 | 50 |
| Pg 16 | 5.0           | 7.0           | 3 | 30 | 28      | 6.0     | 1310.16.3.070 | 25 |
| Pg 16 | 3.5           | 5.0           | 4 | 24 | 23      | 6.0     | 1310.16.4.050 | 50 |
| Pg 16 | 4.5           | 6.0           | 4 | 24 | 23      | 6.0     | 1310.16.4.060 | 50 |
| Pg 16 | 5.5           | 7.0           | 4 | 30 | 28      | 6.0     | 1310.16.4.070 | 25 |
| Pg 21 | 5.0           | 7.0           | 2 | 30 | 28      | 7.5     | 1310.21.2.070 | 25 |
| Pg 21 | 6.7           | 9.0           | 2 | 30 | 28      | 7.5     | 1310.21.2.090 | 25 |
| Pg 21 | 7.7           | 10.0          | 2 | 30 | 28      | 7.5     | 1310.21.2.100 | 25 |
| Pg 21 | 9.0           | 11.5          | 2 | 36 | 28      | 7.5     | 1310.21.2.115 | 25 |
| Pg 21 | 5.5           | 7.0           | 3 | 30 | 28      | 7.5     | 1310.21.3.070 | 25 |
| Pg 21 | 6.8           | 9.0           | 3 | 30 | 28      | 7.5     | 1310.21.3.090 | 25 |
| Pg 21 | 8.5           | 10.5          | 3 | 36 | 28      | 7.5     | 1310.21.3.105 | 25 |
| Pg 21 | 5.5           | 7.0           | 4 | 30 | 28      | 7.5     | 1310.21.4.070 | 25 |
| Pg 21 | 7.0           | 9.0           | 4 | 36 | 28      | 7.5     | 1310.21.4.090 | 25 |
| Pg 21 | 4.8           | 6.0           | 6 | 30 | 28      | 7.5     | 1310.21.6.060 | 25 |
| Pg 21 | 5.8           | 7.0           | 6 | 36 | 28      | 7.5     | 1310.21.6.070 | 25 |
| Pg 29 | 7.5           | 9.0           | 3 | 38 | 28      | 8.0     | 1310.29.3.090 | 25 |



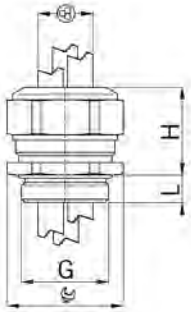
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



## CABLE GLANDS NICKEL-PLATED BRASS

### FOR INSTALLATION OF MULTIPLE CABLES

LONG ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS  
SEAL: TPE  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



#### PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | $\begin{matrix} >0< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >0< \\ \text{max mm} \end{matrix}$ |  |  | H<br>mm | L<br>mm | PART. NO.     |  |
|-------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|---------|---------------|-------------------------------------------------------------------------------------|
| Pg 9  | 2.0                                                | 3.0                                                | 2                                                                                 | 18                                                                                | 22      | 10      | 1311.09.2.030 | 50                                                                                  |
| Pg 9  | 2.5                                                | 4.0                                                | 2                                                                                 | 18                                                                                | 22      | 10      | 1311.09.2.040 | 50                                                                                  |
| Pg 9  | 3.5                                                | 5.0                                                | 2                                                                                 | 18                                                                                | 22      | 10      | 1311.09.2.050 | 50                                                                                  |
| Pg 11 | 3.5                                                | 5.0                                                | 2                                                                                 | 21                                                                                | 21      | 10      | 1311.11.2.050 | 50                                                                                  |
| Pg 11 | 4.5                                                | 6.0                                                | 2                                                                                 | 21                                                                                | 21      | 10      | 1311.11.2.060 | 50                                                                                  |
| Pg 11 | 5.5                                                | 7.5                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.11.2.075 | 50                                                                                  |
| Pg 11 | 3.5                                                | 5.0                                                | 3                                                                                 | 21                                                                                | 21      | 10      | 1311.11.3.050 | 50                                                                                  |
| Pg 13 | 3.5                                                | 5.0                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.13.2.050 | 50                                                                                  |
| Pg 13 | 4.5                                                | 6.0                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.13.2.060 | 50                                                                                  |
| Pg 13 | 5.5                                                | 7.5                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.13.2.075 | 50                                                                                  |
| Pg 13 | 3.5                                                | 5.0                                                | 3                                                                                 | 24                                                                                | 23      | 10      | 1311.13.3.050 | 50                                                                                  |
| Pg 13 | 4.5                                                | 6.0                                                | 3                                                                                 | 24                                                                                | 23      | 10      | 1311.13.3.060 | 50                                                                                  |
| Pg 13 | 5.2                                                | 6.5                                                | 3                                                                                 | 24                                                                                | 23      | 10      | 1311.13.3.065 | 50                                                                                  |
| Pg 13 | 3.5                                                | 5.0                                                | 4                                                                                 | 24                                                                                | 23      | 10      | 1311.13.4.050 | 50                                                                                  |
| Pg 13 | 4.5                                                | 6.0                                                | 4                                                                                 | 24                                                                                | 23      | 10      | 1311.13.4.060 | 50                                                                                  |
| Pg 16 | 3.5                                                | 5.0                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.16.2.050 | 50                                                                                  |
| Pg 16 | 4.5                                                | 6.0                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.16.2.060 | 50                                                                                  |
| Pg 16 | 5.5                                                | 7.5                                                | 2                                                                                 | 24                                                                                | 23      | 10      | 1311.16.2.075 | 50                                                                                  |
| Pg 16 | 6.7                                                | 9.0                                                | 2                                                                                 | 30                                                                                | 28      | 10      | 1311.16.2.090 | 25                                                                                  |
| Pg 16 | 3.5                                                | 5.0                                                | 3                                                                                 | 24                                                                                | 23      | 10      | 1311.16.3.050 | 50                                                                                  |
| Pg 16 | 4.5                                                | 6.0                                                | 3                                                                                 | 24                                                                                | 23      | 10      | 1311.16.3.060 | 50                                                                                  |
| Pg 16 | 5.0                                                | 7.0                                                | 3                                                                                 | 30                                                                                | 28      | 10      | 1311.16.3.070 | 25                                                                                  |
| Pg 16 | 3.5                                                | 5.0                                                | 4                                                                                 | 24                                                                                | 23      | 10      | 1311.16.4.050 | 50                                                                                  |
| Pg 16 | 4.5                                                | 6.0                                                | 4                                                                                 | 24                                                                                | 23      | 10      | 1311.16.4.060 | 50                                                                                  |
| Pg 16 | 5.5                                                | 7.0                                                | 4                                                                                 | 30                                                                                | 28      | 10      | 1311.16.4.070 | 25                                                                                  |
| Pg 21 | 5.0                                                | 7.0                                                | 2                                                                                 | 30                                                                                | 28      | 12      | 1311.21.2.070 | 25                                                                                  |
| Pg 21 | 6.7                                                | 9.0                                                | 2                                                                                 | 30                                                                                | 28      | 12      | 1311.21.2.090 | 25                                                                                  |
| Pg 21 | 7.7                                                | 10.0                                               | 2                                                                                 | 30                                                                                | 28      | 12      | 1311.21.2.100 | 25                                                                                  |
| Pg 21 | 9.0                                                | 11.5                                               | 2                                                                                 | 36                                                                                | 28      | 12      | 1311.21.2.115 | 25                                                                                  |
| Pg 21 | 5.5                                                | 7.0                                                | 3                                                                                 | 30                                                                                | 28      | 12      | 1311.21.3.070 | 25                                                                                  |
| Pg 21 | 6.8                                                | 9.0                                                | 3                                                                                 | 30                                                                                | 28      | 12      | 1311.21.3.090 | 25                                                                                  |
| Pg 21 | 8.5                                                | 10.5                                               | 3                                                                                 | 36                                                                                | 28      | 12      | 1311.21.3.105 | 25                                                                                  |
| Pg 21 | 5.5                                                | 7.0                                                | 4                                                                                 | 30                                                                                | 28      | 12      | 1311.21.4.070 | 25                                                                                  |
| Pg 21 | 7.0                                                | 9.0                                                | 4                                                                                 | 36                                                                                | 28      | 12      | 1311.21.4.090 | 25                                                                                  |
| Pg 21 | 4.8                                                | 6.0                                                | 6                                                                                 | 30                                                                                | 28      | 12      | 1311.21.6.060 | 25                                                                                  |
| Pg 21 | 5.8                                                | 7.0                                                | 6                                                                                 | 36                                                                                | 28      | 12      | 1311.21.6.070 | 25                                                                                  |
| Pg 29 | 7.5                                                | 9.0                                                | 3                                                                                 | 38                                                                                | 28      | 12      | 1311.29.3.090 | 25                                                                                  |

FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

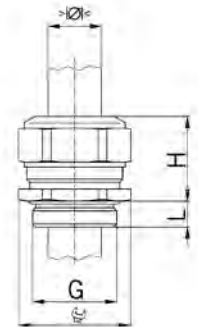


## CABLE GLANDS NICKEL-PLATED BRASS

### WITH SEALING INSERT WITHOUT DRILLED HOLE

SHORT ENTRY THREAD METRIC

|                           |                           |
|---------------------------|---------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS       |
| SEAL:                     | NBR, WITHOUT DRILLED HOLE |
| O-RING:                   | NBR                       |
| TEMPERATURE RANGE:        | -40°C / +100°C            |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)      |
| PROTECTION TYPE ADDITION: | IP 69K                    |



#### PROGRESS MS NBR

ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.  |    |
|---------|---------------|--------|---------|---------|-----------|------------|----|
| M6x1.0  | 3.5           | 8      | 12      | 5       | 1         | 1000.06.30 | 50 |
| M8x1.25 | 5.0           | 11     | 14      | 5       | 1         | 1000.08.30 | 50 |
| M10x1.5 | 6.0           | 13     | 15      | 5       | 1         | 1000.10.30 | 50 |
| M12x1.5 | 8.0           | 15     | 17      | 5       | -         | 1000.12.30 | 50 |
| M16x1.5 | 10.5          | 18     | 22      | 5       | -         | 1000.17.30 | 50 |
| M20x1.5 | 15.0          | 24     | 23      | 6       | -         | 1000.20.30 | 50 |
| M25x1.5 | 20.5          | 30     | 28      | 7       | -         | 1000.25.30 | 25 |
| M32x1.5 | 25.5          | 36     | 28      | 8       | -         | 1000.32.30 | 25 |
| M40x1.5 | 33.0          | 46     | 31      | 8       | -         | 1000.40.30 | 10 |
| M50x1.5 | 42.0          | 55     | 34      | 9       | -         | 1000.50.30 | 10 |
| M63x1.5 | 52.0          | 70     | 37      | 10      | -         | 1000.63.30 | 5  |

1 = METRIC COARSE-PITCH THREAD

#### TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.



### SHORT ENTRY THREAD PG

#### PROGRESS MS NBR

ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.     |    |
|-------|---------------|--------|---------|---------|---------------|----|
| Pg 7  | 8.0           | 15     | 17      | 6.0     | 1000.07.30    | 50 |
| Pg 9  | 10.5          | 18     | 22      | 6.0     | 1000.09.30    | 50 |
| Pg 11 | 12.0          | 21     | 21      | 6.0     | 1000.11.30    | 50 |
| Pg 11 | 15.0          | 24     | 23      | 6.0     | 1000.11.20.30 | 50 |
| Pg 13 | 15.0          | 24     | 23      | 6.0     | 1000.13.30    | 50 |
| Pg 16 | 15.0          | 24     | 23      | 6.0     | 1000.16.30    | 50 |
| Pg 16 | 18.5          | 30     | 28      | 6.0     | 1000.16.25.30 | 25 |
| Pg 21 | 20.5          | 30     | 28      | 7.5     | 1000.21.30    | 25 |
| Pg 21 | 23.0          | 36     | 28      | 7.5     | 1000.21.32.30 | 25 |
| Pg 29 | 27.5          | 38     | 28      | 8.0     | 1000.29.30    | 25 |
| Pg 29 | 33.0          | 46     | 31      | 8.0     | 1000.29.40.30 | 25 |
| Pg 36 | 35.0          | 50     | 32      | 8.0     | 1000.36.30    | 10 |
| Pg 36 | 42.0          | 55     | 34      | 8.0     | 1000.36.50.30 | 10 |
| Pg 42 | 42.0          | 55     | 34      | 10.0    | 1000.42.30    | 10 |
| Pg 48 | 49.0          | 65     | 37      | 11.0    | 1000.48.30    | 10 |

#### TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

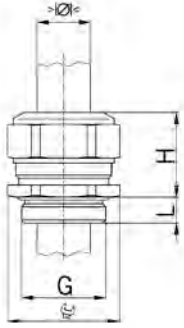




## CABLE GLANDS NICKEL-PLATED BRASS

### WITH SEALING INSERT WITHOUT DRILLED HOLE

SHORT ENTRY THREAD METRIC



|                           |                           |
|---------------------------|---------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS       |
| SEAL:                     | FPM, WITHOUT DRILLED HOLE |
| O-RING:                   | FPM                       |
| TEMPERATURE RANGE:        | -40°C / +200°C            |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)      |
| PROTECTION TYPE ADDITION: | IP 69K                    |

#### PROGRESS MS FPM



FOR HIGH TEMPERATURE APPLICATIONS / ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.     |    |
|---------|---------------|--------|---------|---------|-----------|---------------|----|
| M6x1.0  | 3.5           | 8      | 12      | 5       | 1         | 1000.06.30.91 | 50 |
| M8x1.25 | 5.0           | 11     | 14      | 5       | 1         | 1000.08.30.91 | 50 |
| M10x1.5 | 6.0           | 13     | 15      | 5       | 1         | 1000.10.30.91 | 50 |
| M12x1.5 | 8.0           | 15     | 17      | 5       | -         | 1000.12.30.91 | 50 |
| M16x1.5 | 10.5          | 18     | 22      | 5       | -         | 1000.17.30.91 | 50 |
| M20x1.5 | 15.0          | 24     | 23      | 6       | -         | 1000.20.30.91 | 50 |
| M25x1.5 | 20.5          | 30     | 28      | 7       | -         | 1000.25.30.91 | 25 |
| M32x1.5 | 25.5          | 36     | 28      | 8       | -         | 1000.32.30.91 | 25 |
| M40x1.5 | 33.0          | 46     | 31      | 8       | -         | 1000.40.30.91 | 10 |
| M50x1.5 | 42.0          | 55     | 34      | 9       | -         | 1000.50.30.91 | 10 |
| M63x1.5 | 52.0          | 70     | 37      | 10      | -         | 1000.63.30.91 | 5  |

1 = METRIC COARSE-PITCH THREAD

#### TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

### SHORT ENTRY THREAD PG

#### PROGRESS MS FPM



FOR HIGH TEMPERATURE APPLICATIONS / ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.        |    |
|-------|---------------|--------|---------|---------|------------------|----|
| Pg 7  | 8.0           | 15     | 17      | 6.0     | 1000.07.30.91    | 50 |
| Pg 9  | 10.5          | 18     | 22      | 6.0     | 1000.09.30.91    | 50 |
| Pg 11 | 12.0          | 21     | 21      | 6.0     | 1000.11.30.91    | 50 |
| Pg 11 | 15.0          | 24     | 23      | 6.0     | 1000.11.20.30.91 | 50 |
| Pg 13 | 15.0          | 24     | 23      | 6.0     | 1000.13.30.91    | 50 |
| Pg 16 | 15.0          | 24     | 23      | 6.0     | 1000.16.30.91    | 50 |
| Pg 16 | 18.5          | 30     | 28      | 6.0     | 1000.16.25.30.91 | 25 |
| Pg 21 | 20.5          | 30     | 28      | 7.5     | 1000.21.30.91    | 25 |
| Pg 21 | 23.0          | 36     | 28      | 7.5     | 1000.21.32.30.91 | 25 |
| Pg 29 | 27.5          | 38     | 28      | 8.0     | 1000.29.30.91    | 25 |
| Pg 29 | 33.0          | 46     | 31      | 8.0     | 1000.29.40.30.91 | 25 |
| Pg 36 | 35.0          | 50     | 32      | 8.0     | 1000.36.30.91    | 10 |
| Pg 36 | 42.0          | 55     | 34      | 8.0     | 1000.36.50.30.91 | 10 |
| Pg 42 | 42.0          | 55     | 34      | 10.0    | 1000.42.30.91    | 10 |
| Pg 48 | 49.0          | 65     | 37      | 11.0    | 1000.48.30.91    | 10 |

#### TECHNICAL NOTE

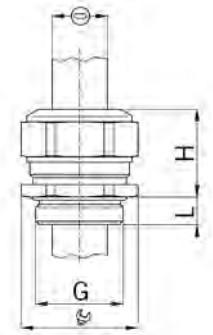
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

## CABLE GLANDS NICKEL-PLATED BRASS

### FOR FLAT CABLES

#### SHORT ENTRY THREAD METRIC

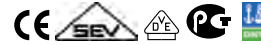
|                    |                                 |
|--------------------|---------------------------------|
| MATERIAL:          | NICKEL-PLATED BRASS             |
| SEAL:              | TPE                             |
| O-RING:            | NBR                             |
| STRAIN RELIEF:     | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE: | -40°C / +100°C                  |
| PROTECTION CLASS:  | IP 68                           |



#### PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       |  min mm |  max mm |  mm | H<br>mm | L<br>mm | PART. NO.       |  |
|---------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|---------|-----------------|-------------------------------------------------------------------------------------|
| M16x1.5 | 7.3x2.5                                                                                  | 9.0x4.2                                                                                  | 18                                                                                   | 22      | 5       | 1300.17.090.042 | 50                                                                                  |
| M20x1.5 | 10.5x2.5                                                                                 | 13.0x5.0                                                                                 | 24                                                                                   | 23      | 6       | 1300.20.130.050 | 50                                                                                  |
| M20x1.5 | 12.5x2.5                                                                                 | 15.0x5.0                                                                                 | 24                                                                                   | 23      | 6       | 1300.20.150.050 | 50                                                                                  |
| M25x1.5 | 16.0x4.0                                                                                 | 19.0x7.0                                                                                 | 30                                                                                   | 28      | 7       | 1300.25.190.070 | 25                                                                                  |
| M32x1.5 | 19.0x3.0                                                                                 | 22.0x6.0                                                                                 | 36                                                                                   | 28      | 8       | 1300.32.220.060 | 25                                                                                  |
| M32x1.5 | 19.0x5.0                                                                                 | 22.0x8.0                                                                                 | 36                                                                                   | 28      | 8       | 1300.32.220.080 | 25                                                                                  |
| M40x1.5 | 23.0x4.0                                                                                 | 26.0x7.0                                                                                 | 46                                                                                   | 31      | 8       | 1300.40.260.070 | 10                                                                                  |
| M40x1.5 | 23.5x6.0                                                                                 | 26.5x9.0                                                                                 | 46                                                                                   | 31      | 8       | 1300.40.265.090 | 10                                                                                  |
| M40x1.5 | 25.0x3.0                                                                                 | 28.0x6.0                                                                                 | 46                                                                                   | 31      | 8       | 1300.40.280.060 | 10                                                                                  |
| M40x1.5 | 27.0x7.0                                                                                 | 30.0x10.0                                                                                | 46                                                                                   | 31      | 8       | 1300.40.300.100 | 10                                                                                  |
| M40x1.5 | 29.0x6.0                                                                                 | 32.0x9.0                                                                                 | 46                                                                                   | 31      | 8       | 1300.40.320.090 | 10                                                                                  |
| M40x1.5 | 30.0x3.5                                                                                 | 33.0x6.5                                                                                 | 46                                                                                   | 31      | 8       | 1300.40.330.065 | 10                                                                                  |
| M50x1.5 | 31.0x8.5                                                                                 | 34.0x11.5                                                                                | 55                                                                                   | 34      | 9       | 1300.50.340.115 | 10                                                                                  |
| M50x1.5 | 34.0x4.0                                                                                 | 37.0x7.0                                                                                 | 55                                                                                   | 34      | 9       | 1300.50.370.070 | 10                                                                                  |
| M50x1.5 | 36.5x2.5                                                                                 | 40.0x6.0                                                                                 | 55                                                                                   | 34      | 9       | 1300.50.400.060 | 10                                                                                  |
| M50x1.5 | 36.5x10.0                                                                                | 40.0x13.5                                                                                | 55                                                                                   | 34      | 9       | 1300.50.400.135 | 10                                                                                  |
| M50x1.5 | 38.5x10.5                                                                                | 42.0x14.0                                                                                | 55                                                                                   | 34      | 9       | 1300.50.420.140 | 10                                                                                  |
| M63x1.5 | 42.0x10.0                                                                                | 46.0x14.0                                                                                | 70                                                                                   | 37      | 10      | 1300.63.460.140 | 5                                                                                   |
| M63x1.5 | 42.5x2.0                                                                                 | 46.5x6.0                                                                                 | 70                                                                                   | 37      | 10      | 1300.63.465.060 | 5                                                                                   |



#### LONG ENTRY THREAD PG

#### PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       |  min mm |  max mm |  mm | H<br>mm | L<br>mm | PART. NO.       |  |
|---------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------|---------|-----------------|---------------------------------------------------------------------------------------|
| M16x1.5 | 7.3x2.5                                                                                    | 9.0x4.2                                                                                    | 18                                                                                     | 22      | 10      | 1301.17.090.042 | 50                                                                                    |
| M20x1.5 | 10.5x2.5                                                                                   | 13.0x5.0                                                                                   | 24                                                                                     | 23      | 10      | 1301.20.130.050 | 50                                                                                    |
| M20x1.5 | 12.5x2.5                                                                                   | 15.0x5.0                                                                                   | 24                                                                                     | 23      | 10      | 1301.20.150.050 | 50                                                                                    |
| M25x1.5 | 16.0x4.0                                                                                   | 19.0x7.0                                                                                   | 30                                                                                     | 28      | 11      | 1301.25.190.070 | 25                                                                                    |
| M32x1.5 | 19.0x3.0                                                                                   | 22.0x6.0                                                                                   | 36                                                                                     | 28      | 13      | 1301.32.220.060 | 25                                                                                    |
| M32x1.5 | 19.0x5.0                                                                                   | 22.0x8.0                                                                                   | 36                                                                                     | 28      | 13      | 1301.32.220.080 | 25                                                                                    |
| M40x1.5 | 23.0x4.0                                                                                   | 26.0x7.0                                                                                   | 46                                                                                     | 31      | 13      | 1301.40.260.070 | 10                                                                                    |
| M40x1.5 | 23.5x6.0                                                                                   | 26.5x9.0                                                                                   | 46                                                                                     | 31      | 13      | 1301.40.265.090 | 10                                                                                    |
| M40x1.5 | 25.0x3.0                                                                                   | 28.0x6.0                                                                                   | 46                                                                                     | 31      | 13      | 1301.40.280.060 | 10                                                                                    |
| M40x1.5 | 27.0x7.0                                                                                   | 30.0x10.0                                                                                  | 46                                                                                     | 31      | 13      | 1301.40.300.100 | 10                                                                                    |
| M40x1.5 | 29.0x6.0                                                                                   | 32.0x9.0                                                                                   | 46                                                                                     | 31      | 13      | 1301.40.320.090 | 10                                                                                    |
| M40x1.5 | 30.0x3.5                                                                                   | 33.0x6.5                                                                                   | 46                                                                                     | 31      | 13      | 1301.40.330.065 | 10                                                                                    |
| M50x1.5 | 31.0x8.5                                                                                   | 34.0x11.5                                                                                  | 55                                                                                     | 34      | 14      | 1301.50.340.115 | 10                                                                                    |
| M50x1.5 | 34.0x4.0                                                                                   | 37.0x7.0                                                                                   | 55                                                                                     | 34      | 14      | 1301.50.370.070 | 10                                                                                    |
| M50x1.5 | 36.5x2.5                                                                                   | 40.0x6.0                                                                                   | 55                                                                                     | 34      | 14      | 1301.50.400.060 | 10                                                                                    |
| M50x1.5 | 36.5x10.0                                                                                  | 40.0x13.5                                                                                  | 55                                                                                     | 34      | 14      | 1301.50.400.135 | 10                                                                                    |
| M50x1.5 | 38.5x10.5                                                                                  | 42.0x14.0                                                                                  | 55                                                                                     | 34      | 14      | 1301.50.420.140 | 10                                                                                    |
| M63x1.5 | 42.0x10.0                                                                                  | 46.0x14.0                                                                                  | 70                                                                                     | 37      | 14      | 1301.63.460.140 | 5                                                                                     |
| M63x1.5 | 42.5x2.0                                                                                   | 46.5x6.0                                                                                   | 70                                                                                     | 37      | 14      | 1301.63.465.060 | 5                                                                                     |

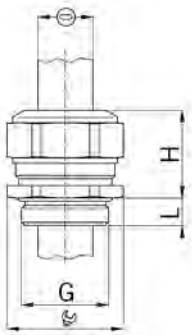




## CABLE GLANDS NICKEL-PLATED BRASS

### FOR FLAT CABLES

SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS  
SEAL: TPE  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68

#### PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     |  |  |  | H  | L    | PART. NO.       |  |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|------|-----------------|-------------------------------------------------------------------------------------|
|       | min mm                                                                            | max mm                                                                            | mm                                                                                | mm | mm   |                 |                                                                                     |
| Pg 9  | 7.3x2.5                                                                           | 9.0x4.2                                                                           | 18                                                                                | 22 | 6.0  | 1300.09.090.042 | 50                                                                                  |
| Pg 13 | 10.5x2.5                                                                          | 13.0x5.0                                                                          | 24                                                                                | 23 | 6.0  | 1300.13.130.050 | 50                                                                                  |
| Pg 13 | 12.5x2.5                                                                          | 15.0x5.0                                                                          | 24                                                                                | 23 | 6.0  | 1300.13.150.050 | 50                                                                                  |
| Pg 16 | 10.5x2.5                                                                          | 13.0x5.0                                                                          | 24                                                                                | 23 | 6.0  | 1300.16.130.050 | 50                                                                                  |
| Pg 16 | 12.5x2.5                                                                          | 15.0x5.0                                                                          | 24                                                                                | 23 | 6.0  | 1300.16.150.050 | 50                                                                                  |
| Pg 21 | 16.0x4.0                                                                          | 19.0x7.0                                                                          | 30                                                                                | 28 | 7.5  | 1300.21.190.070 | 25                                                                                  |
| Pg 21 | 19.0x3.0                                                                          | 22.0x6.0                                                                          | 36                                                                                | 28 | 7.5  | 1300.21.220.060 | 25                                                                                  |
| Pg 21 | 19.0x5.0                                                                          | 22.0x8.0                                                                          | 36                                                                                | 28 | 7.5  | 1300.21.220.080 | 25                                                                                  |
| Pg 29 | 23.0x4.0                                                                          | 26.0x7.0                                                                          | 46                                                                                | 31 | 8.0  | 1300.29.260.070 | 25                                                                                  |
| Pg 29 | 23.5x6.0                                                                          | 26.5x9.0                                                                          | 46                                                                                | 31 | 8.0  | 1300.29.265.090 | 25                                                                                  |
| Pg 29 | 25.0x3.0                                                                          | 28.0x6.0                                                                          | 46                                                                                | 31 | 8.0  | 1300.29.280.060 | 25                                                                                  |
| Pg 29 | 27.0x7.0                                                                          | 30.0x10.0                                                                         | 46                                                                                | 31 | 8.0  | 1300.29.300.100 | 25                                                                                  |
| Pg 29 | 29.0x6.0                                                                          | 32.0x9.0                                                                          | 46                                                                                | 31 | 8.0  | 1300.29.320.090 | 25                                                                                  |
| Pg 29 | 30.0x3.5                                                                          | 33.0x6.5                                                                          | 46                                                                                | 31 | 8.0  | 1300.29.330.065 | 25                                                                                  |
| Pg 42 | 31.0x8.5                                                                          | 34.0x11.5                                                                         | 55                                                                                | 34 | 10.0 | 1300.42.340.115 | 10                                                                                  |
| Pg 42 | 34.0x4.0                                                                          | 37.0x7.0                                                                          | 55                                                                                | 34 | 10.0 | 1300.42.370.070 | 10                                                                                  |
| Pg 42 | 36.5x2.5                                                                          | 40.0x6.0                                                                          | 55                                                                                | 34 | 10.0 | 1300.42.400.060 | 10                                                                                  |
| Pg 42 | 36.5x10.0                                                                         | 40.0x13.5                                                                         | 55                                                                                | 34 | 10.0 | 1300.42.400.135 | 10                                                                                  |
| Pg 42 | 38.5x10.5                                                                         | 42.0x14.0                                                                         | 55                                                                                | 34 | 10.0 | 1300.42.420.140 | 10                                                                                  |
| Pg 48 | 42.0x10.0                                                                         | 46.0x14.0                                                                         | 65                                                                                | 37 | 11.0 | 1300.48.460.140 | 10                                                                                  |
| Pg 48 | 42.5x2.0                                                                          | 46.5x6.0                                                                          | 65                                                                                | 37 | 11.0 | 1300.48.465.060 | 10                                                                                  |

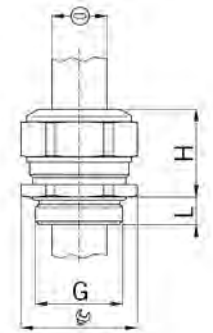


## CABLE GLANDS NICKEL-PLATED BRASS

### FOR FLAT CABLES

LONG ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            |  min mm |  max mm |  mm | H mm | L mm | PART. NO.              |  |
|--------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------|------|------------------------|-------------------------------------------------------------------------------------|
| <b>PG 9</b>  | 7.3x2.5                                                                                  | 9.0x4.2                                                                                  | 18                                                                                   | 22   | 10   | <b>1301.09.090.042</b> | 50                                                                                  |
| <b>PG 13</b> | 10.5x2.5                                                                                 | 13.0x5.0                                                                                 | 24                                                                                   | 23   | 10   | <b>1301.13.130.050</b> | 50                                                                                  |
| <b>PG 13</b> | 12.5x2.5                                                                                 | 15.0x5.0                                                                                 | 24                                                                                   | 23   | 10   | <b>1301.13.150.050</b> | 50                                                                                  |
| <b>PG 16</b> | 10.5x2.5                                                                                 | 13.0x5.0                                                                                 | 24                                                                                   | 23   | 10   | <b>1301.16.130.050</b> | 50                                                                                  |
| <b>PG 16</b> | 12.5x2.5                                                                                 | 15.0x5.0                                                                                 | 24                                                                                   | 23   | 10   | <b>1301.16.150.050</b> | 50                                                                                  |
| <b>PG 21</b> | 16.0x4.0                                                                                 | 19.0x7.0                                                                                 | 30                                                                                   | 28   | 12   | <b>1301.21.190.070</b> | 25                                                                                  |
| <b>PG 21</b> | 19.0x3.0                                                                                 | 22.0x6.0                                                                                 | 36                                                                                   | 28   | 12   | <b>1301.21.220.060</b> | 25                                                                                  |
| <b>PG 21</b> | 19.0x5.0                                                                                 | 22.0x8.0                                                                                 | 36                                                                                   | 28   | 12   | <b>1301.21.220.080</b> | 25                                                                                  |
| <b>PG 29</b> | 23.0x4.0                                                                                 | 26.0x7.0                                                                                 | 46                                                                                   | 31   | 12   | <b>1301.29.260.070</b> | 25                                                                                  |
| <b>PG 29</b> | 23.5x6.0                                                                                 | 26.5x9.0                                                                                 | 46                                                                                   | 31   | 12   | <b>1301.29.265.090</b> | 25                                                                                  |
| <b>PG 29</b> | 25.0x3.0                                                                                 | 28.0x6.0                                                                                 | 46                                                                                   | 31   | 12   | <b>1301.29.280.060</b> | 25                                                                                  |
| <b>PG 29</b> | 27.0x7.0                                                                                 | 30.0x10.0                                                                                | 46                                                                                   | 31   | 12   | <b>1301.29.300.100</b> | 25                                                                                  |
| <b>PG 29</b> | 29.0x6.0                                                                                 | 32.0x9.0                                                                                 | 46                                                                                   | 31   | 12   | <b>1301.29.320.090</b> | 25                                                                                  |
| <b>PG 29</b> | 30.0x3.5                                                                                 | 33.0x6.5                                                                                 | 46                                                                                   | 31   | 12   | <b>1301.29.330.065</b> | 25                                                                                  |
| <b>PG 42</b> | 31.0x8.5                                                                                 | 34.0x11.5                                                                                | 55                                                                                   | 34   | 15   | <b>1301.42.340.115</b> | 10                                                                                  |
| <b>PG 42</b> | 34.0x4.0                                                                                 | 37.0x7.0                                                                                 | 55                                                                                   | 34   | 15   | <b>1301.42.370.070</b> | 10                                                                                  |
| <b>PG 42</b> | 36.5x2.5                                                                                 | 40.0x6.0                                                                                 | 55                                                                                   | 34   | 15   | <b>1301.42.400.060</b> | 10                                                                                  |
| <b>PG 42</b> | 36.5x10.0                                                                                | 40.0x13.5                                                                                | 55                                                                                   | 34   | 15   | <b>1301.42.400.135</b> | 10                                                                                  |
| <b>PG 42</b> | 38.5x10.5                                                                                | 42.0x14.0                                                                                | 55                                                                                   | 34   | 15   | <b>1301.42.420.140</b> | 10                                                                                  |
| <b>PG 48</b> | 42.0x10.0                                                                                | 46.0x14.0                                                                                | 65                                                                                   | 37   | 15   | <b>1301.48.460.140</b> | 10                                                                                  |
| <b>PG 48</b> | 42.5x2.0                                                                                 | 46.5x6.0                                                                                 | 65                                                                                   | 37   | 15   | <b>1301.48.465.060</b> | 10                                                                                  |

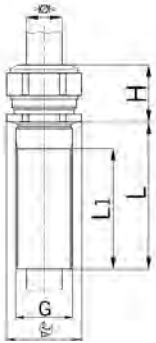




## CABLE GLANDS NICKEL-PLATED BRASS

### WITH SPECIAL ENTRY THREAD

EXTRA-LONG ENTRY THREAD METRIC



|                    |                                 |
|--------------------|---------------------------------|
| MATERIAL:          | NICKEL-PLATED BRASS             |
| SEAL:              | TPE                             |
| O-RING:            | NBR                             |
| STRAIN RELIEF:     | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE: | -40°C / +100°C                  |
| PROTECTION CLASS:  | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE    | IP 69K                          |
| ADDITION:          |                                 |



#### PROGRESS MS L

ENTRY THREAD METRIC, 50 MM LONG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

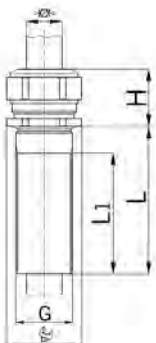
| G              | >Ø<<br>min mm | >Ø<<br>max mm | mm    | H<br>mm | L<br>mm | PART. NO.         |    |
|----------------|---------------|---------------|-------|---------|---------|-------------------|----|
| <b>M16x1.5</b> | 6.0           | 10.5          | 24/18 | 22      | 50      | <b>1100.17.50</b> | 10 |
| <b>M20x1.5</b> | 8.0           | 15.0          | 30/24 | 23      | 50      | <b>1100.20.50</b> | 10 |
| <b>M25x1.5</b> | 12.5          | 20.5          | 36/30 | 28      | 50      | <b>1100.25.50</b> | 10 |
| <b>M32x1.5</b> | 17.0          | 25.5          | 46/36 | 28      | 50      | <b>1100.32.50</b> | 10 |
| <b>M40x1.5</b> | 24.0          | 33.0          | 55/46 | 31      | 50      | <b>1100.40.50</b> | 10 |

L1 = L - 10MM

FURTHER DIMENSIONS UPON REQUEST



### SPECIALLY LONG ENTRY THREAD PG



|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |



#### PROGRESS MS L

ENTRY THREAD PG, 50 MM LONG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | mm    | H<br>mm | L<br>mm | PART. NO.         |    |
|--------------|---------------|---------------|-------|---------|---------|-------------------|----|
| <b>Pg 11</b> | 5.5           | 12.0          | 27/21 | 21      | 50      | <b>1100.11.50</b> | 10 |
| <b>Pg 13</b> | 8.0           | 15.0          | 30/24 | 23      | 50      | <b>1100.13.50</b> | 10 |
| <b>Pg 16</b> | 8.0           | 15.0          | 30/24 | 23      | 50      | <b>1100.16.50</b> | 10 |
| <b>Pg 21</b> | 12.5          | 20.5          | 38/30 | 28      | 50      | <b>1100.21.50</b> | 10 |
| <b>Pg 29</b> | 19.0          | 27.5          | 46/38 | 28      | 50      | <b>1100.29.50</b> | 10 |

L1 = L - 10MM

FURTHER DIMENSIONS UPON REQUEST





## CABLE GLANDS NICKEL-PLATED BRASS

### WITH SPECIAL ENTRY THREAD

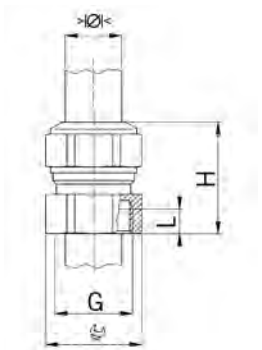
#### INNER THREAD METRIC

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                  |
| SEAL:                     | TPE                                  |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A      |
| TEMPERATURE RANGE:        | -40°C / +100°C                       |
| PROTECTION CLASS:         | IP 68, IF THE ENTRY THREAD IS SEALED |
| PROTECTION TYPE ADDITION: | IP 69K                               |

#### PROGRESS MS IG

INTERNAL THREAD METRIC / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \\ \text{mm} \end{matrix}$ | H  | L  | PART. NO. |    |
|---------|--------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|----|----|-----------|----|
| M16x1.5 | 6.0                                                          | 10.5                                                         | 18                                                   | 28 | 6  | 1400.17   | 25 |
| M20x1.5 | 8.0                                                          | 15.0                                                         | 24                                                   | 31 | 6  | 1400.20   | 25 |
| M25x1.5 | 12.5                                                         | 20.5                                                         | 30                                                   | 40 | 10 | 1400.25   | 25 |



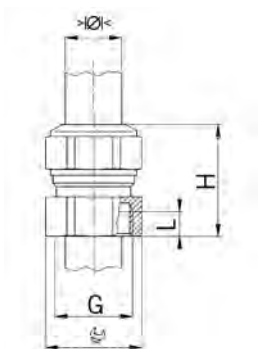
#### INNER THREAD PG

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                  |
| SEAL:                     | TPE                                  |
| TEMPERATURE RANGE:        | -40°C / +100°C                       |
| PROTECTION CLASS:         | IP 68, IF THE ENTRY THREAD IS SEALED |
| PROTECTION TYPE ADDITION: | IP 69K                               |

#### PROGRESS MS IG

INTERNAL THREAD PG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \\ \text{mm} \end{matrix}$ | H  | L  | PART. NO. |    |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|----|----|-----------|----|
| PG 11 | 5.5                                                          | 12.0                                                         | 21                                                   | 28 | 6  | 1400.11   | 25 |
| PG 16 | 8.0                                                          | 15.0                                                         | 24                                                   | 31 | 6  | 1400.16   | 25 |
| PG 21 | 12.5                                                         | 20.5                                                         | 30                                                   | 40 | 10 | 1400.21   | 25 |

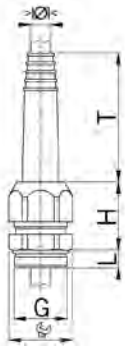




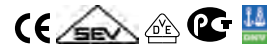
## CABLE GLANDS NICKEL-PLATED BRASS

### WITH ANTIKINK NOZZLE IN EPDM

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: NBR  
 O-RING: NBR  
 ANTIKINK NOZZLE: EPDM  
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68  
 PROTECTION TYPE ADDITION: IP 69K

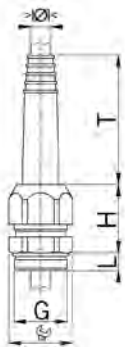


SHORT ENTRY THREAD METRIC / ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | T<br>mm | L<br>mm | i<br>info | PART. NO. |    |
|---------|---------------|---------------|---------|---------|---------|---------|-----------|-----------|----|
| M8x1.25 | 3.8           | 4.8           | 11      | 12      | 25      | 6       | 1         | 1008.52   | 50 |
| M10x1.5 | 4.0           | 6.0           | 16      | 20      | 35      | 6       | 1         | 1010.52   | 50 |
| M12x1.5 | 4.0           | 6.0           | 16      | 20      | 35      | 6       | -         | 1012.52   | 50 |
| M16x1.5 | 6.0           | 8.8           | 20      | 24      | 45      | 6       | -         | 1017.52   | 50 |
| M20x1.5 | 9.0           | 11.0          | 24      | 28      | 65      | 6       | -         | 1020.51   | 25 |
| M20x1.5 | 10.5          | 13.0          | 24      | 28      | 75      | 6       | -         | 1020.52   | 25 |
| M25x1.5 | 13.0          | 16.5          | 32      | 33      | 92      | 7       | -         | 1025.52   | 10 |

1 = METRIC COARSE-PITCH THREAD

### SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: NBR  
 O-RING: NBR  
 ANTIKINK NOZZLE: EPDM  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68  
 PROTECTION TYPE ADDITION: IP 69K



SHORT ENTRY THREAD PG / ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

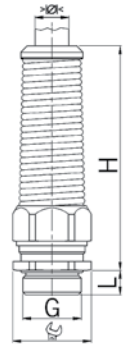
| G     | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | T<br>mm | L<br>mm | PART. NO. |    |
|-------|---------------|---------------|---------|---------|---------|---------|-----------|----|
| Pg 7  | 4.0           | 6.0           | 16      | 20      | 35      | 6       | 1007.52   | 50 |
| Pg 9  | 6.0           | 8.8           | 20      | 24      | 45      | 6       | 1009.52   | 50 |
| Pg 11 | 6.0           | 8.8           | 20      | 24      | 45      | 6       | 1011.52   | 50 |
| Pg 13 | 9.0           | 11.0          | 24      | 28      | 65      | 6       | 1013.51   | 25 |
| Pg 13 | 10.5          | 13.0          | 24      | 28      | 75      | 6       | 1013.52   | 25 |
| Pg 16 | 9.0           | 11.0          | 24      | 28      | 65      | 6       | 1016.51   | 25 |
| Pg 16 | 10.5          | 13.0          | 24      | 28      | 75      | 6       | 1016.52   | 25 |
| Pg 21 | 13.0          | 16.5          | 32      | 33      | 92      | 7.5     | 1021.51   | 10 |

## CABLE GLANDS NICKEL-PLATED BRASS

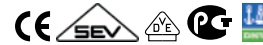
### WITH ANTIKINK SPRING

#### SHORT ENTRY THREAD METRIC

|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| ANTI-KINK SPRING:         | STAINLESS STEEL A2              |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



#### PROGRESS MS FKN



#### ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|-----------|----------------|----|
| M8x1.25 | 2.5           | 3.0           | 11     | 49      | 5       | 1         | 1060.08.52.030 | 10 |
| M8x1.25 | 3.5           | 4.0           | 11     | 49      | 5       | 1         | 1060.08.52.040 | 10 |
| M10x1.5 | 3.0           | 4.0           | 13     | 52      | 5       | 1         | 1060.10.52.040 | 10 |
| M10x1.5 | 4.0           | 6.0           | 13     | 52      | 5       | 1         | 1060.10.52.060 | 10 |
| M12x1.5 | 3.5           | 5.0           | 15     | 57      | 5       | -         | 1060.12.52.050 | 10 |
| M12x1.5 | 5.0           | 6.5           | 15     | 57      | 5       | -         | 1060.12.52.065 | 10 |
| M12x1.5 | 6.5           | 7.5           | 15     | 57      | 5       | -         | 1060.12.52.075 | 10 |
| M16x1.5 | 4.5           | 6.0           | 18     | 66      | 5       | -         | 1060.17.52.060 | 10 |
| M16x1.5 | 6.0           | 8.0           | 18     | 66      | 5       | -         | 1060.17.52.080 | 10 |
| M16x1.5 | 8.0           | 10.5          | 18     | 66      | 5       | -         | 1060.17.52.105 | 10 |
| M20x1.5 | 6.0           | 8.0           | 24     | 86      | 6       | -         | 1060.20.52.080 | 10 |
| M20x1.5 | 8.0           | 11.0          | 24     | 86      | 6       | -         | 1060.20.52.110 | 10 |
| M20x1.5 | 11.0          | 14.5          | 24     | 86      | 6       | -         | 1060.20.52.145 | 10 |
| M25x1.5 | 9.5           | 12.5          | 30     | 99      | 7       | -         | 1060.25.52.125 | 10 |
| M25x1.5 | 12.5          | 16.0          | 30     | 99      | 7       | -         | 1060.25.52.160 | 10 |
| M25x1.5 | 16.0          | 19.0          | 30     | 99      | 7       | -         | 1060.25.52.190 | 10 |
| M32x1.5 | 17.0          | 21.0          | 36     | 109     | 8       | -         | 1060.32.52.210 | 5  |
| M32x1.5 | 21.0          | 24.5          | 36     | 109     | 8       | -         | 1060.32.52.245 | 5  |



1 = METRIC COARSE-PITCH THREAD

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

#### PROGRESS MS FKN



#### TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|--------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 18     | 66      | 5       | 1060.17.52 | 10 |
| M20x1.5 | 8.0           | 14.5          | 24     | 86      | 6       | 1060.20.52 | 10 |
| M25x1.5 | 12.5          | 19.0          | 30     | 99      | 7       | 1060.25.52 | 10 |
| M32x1.5 | 17.0          | 24.5          | 36     | 109     | 8       | 1060.32.52 | 5  |



THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

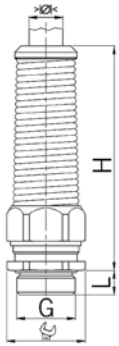
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.



## CABLE GLANDS NICKEL-PLATED BRASS

### WITH ANTIKINK SPRING

SHORT ENTRY THREAD PG



|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| ANTI-KINK SPRING:         | STAINLESS STEEL A2   |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |

#### PROGRESS MS FKN

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|--------------|---------------|---------------|--------|---------|---------|-----------------------|----|
| <b>Pg 7</b>  | 3.5           | 5.0           | 15     | 57      | 6       | <b>1060.07.52.050</b> | 10 |
| <b>Pg 7</b>  | 5.0           | 6.5           | 15     | 57      | 6       | <b>1060.07.52.065</b> | 10 |
| <b>Pg 7</b>  | 6.5           | 7.5           | 15     | 57      | 6       | <b>1060.07.52.075</b> | 10 |
| <b>Pg 9</b>  | 4.5           | 6.0           | 18     | 66      | 6       | <b>1060.09.52.060</b> | 10 |
| <b>Pg 9</b>  | 6.0           | 8.0           | 18     | 66      | 6       | <b>1060.09.52.080</b> | 10 |
| <b>Pg 9</b>  | 8.0           | 10.5          | 18     | 66      | 6       | <b>1060.09.52.105</b> | 10 |
| <b>Pg 11</b> | 4.5           | 6.0           | 18/21  | 66      | 6       | <b>1060.11.52.060</b> | 10 |
| <b>Pg 11</b> | 6.0           | 8.0           | 18/21  | 66      | 6       | <b>1060.11.52.080</b> | 10 |
| <b>Pg 11</b> | 8.0           | 10.5          | 18/21  | 66      | 6       | <b>1060.11.52.105</b> | 10 |
| <b>Pg 13</b> | 6.0           | 8.0           | 24     | 86      | 6       | <b>1060.13.52.080</b> | 10 |
| <b>Pg 13</b> | 8.0           | 11.0          | 24     | 86      | 6       | <b>1060.13.52.110</b> | 10 |
| <b>Pg 13</b> | 11.0          | 14.5          | 24     | 86      | 6       | <b>1060.13.52.145</b> | 10 |
| <b>Pg 16</b> | 6.0           | 8.0           | 24     | 86      | 6       | <b>1060.16.52.080</b> | 10 |
| <b>Pg 16</b> | 8.0           | 11.0          | 24     | 86      | 6       | <b>1060.16.52.110</b> | 10 |
| <b>Pg 16</b> | 11.0          | 14.5          | 24     | 86      | 6       | <b>1060.16.52.145</b> | 10 |
| <b>Pg 21</b> | 9.5           | 12.5          | 30     | 99      | 7.5     | <b>1060.21.52.125</b> | 5  |
| <b>Pg 21</b> | 12.5          | 16.0          | 30     | 99      | 7.5     | <b>1060.21.52.160</b> | 5  |
| <b>Pg 21</b> | 16.0          | 19.0          | 30     | 99      | 7.5     | <b>1060.21.52.190</b> | 5  |

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

#### PROGRESS MS FKN

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.         |    |
|--------------|---------------|---------------|--------|---------|---------|-------------------|----|
| <b>Pg 9</b>  | 6.0           | 10.5          | 18     | 66      | 6       | <b>1060.09.52</b> | 10 |
| <b>Pg 11</b> | 6.0           | 10.5          | 18/21  | 66      | 6       | <b>1060.11.52</b> | 10 |
| <b>Pg 13</b> | 8.0           | 14.5          | 24     | 86      | 6       | <b>1060.13.52</b> | 10 |
| <b>Pg 16</b> | 8.0           | 14.5          | 24     | 86      | 6       | <b>1060.16.52</b> | 10 |
| <b>Pg 21</b> | 12.5          | 19.0          | 30     | 99      | 7.5     | <b>1060.21.52</b> | 5  |

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

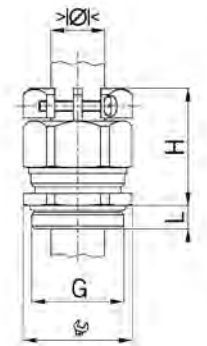
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

## CABLE GLANDS NICKEL-PLATED BRASS

### WITH CLAMPS

#### SHORT ENTRY THREAD METRIC

|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SCREWS:                   | STAINLESS STEEL A2              |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION B |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |



#### PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|-----------|----------------|----|
| M10x1.5 | 3.0           | 4.0           | 13/16  | 24      | 5       | 1         | 1800.10.03.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13/16  | 24      | 5       | 1         | 1800.10.03.060 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15/16  | 26      | 5       | -         | 1800.12.03.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 15/16  | 26      | 5       | -         | 1800.12.03.080 | 50 |

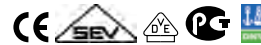
1 = METRIC COARSE-PITCH THREAD



#### PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|----------------|----|
| M16x1.5 | 6.0           | 10.5          | 18/19  | 30      | 5       | 1800.17.03.105 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24     | 31      | 6       | 1800.20.03.150 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30     | 35      | 7       | 1800.25.03.205 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36     | 40      | 8       | 1800.32.03.255 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46     | 44      | 8       | 1800.40.03.330 | 10 |
| M50x1.5 | 33.0          | 42.0          | 55     | 49      | 9       | 1800.50.03.410 | 10 |
| M63x1.5 | 40.0          | 52.0          | 70     | 55      | 10      | 1800.63.03.520 | 5  |
| M75x1.5 | 50.0          | 63.0          | 80     | 56      | 11      | 1800.75.03.630 | 1  |



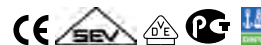
#### LONG ENTRY THREAD METRIC

#### PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|-----------|----------------|----|
| M10x1.5 | 3.0           | 4.0           | 13/16  | 24      | 10      | 1         | 1800.10.13.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13/16  | 24      | 10      | 1         | 1800.10.13.060 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15/16  | 26      | 10      | -         | 1800.12.13.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 15/16  | 26      | 10      | -         | 1800.12.13.080 | 50 |

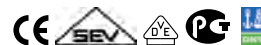
1 = METRIC COARSE-PITCH THREAD



#### PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|----------------|----|
| M16x1.5 | 6.0           | 10.5          | 18/19  | 30      | 10      | 1800.17.13.105 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24     | 31      | 10      | 1800.20.13.150 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30     | 35      | 11      | 1800.25.13.205 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36     | 40      | 13      | 1800.32.13.255 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46     | 44      | 13      | 1800.40.13.330 | 10 |
| M50x1.5 | 33.0          | 42.0          | 55     | 49      | 14      | 1800.50.13.410 | 10 |
| M63x1.5 | 40.0          | 52.0          | 70     | 55      | 14      | 1800.63.13.520 | 5  |
| M75x1.5 | 50.0          | 63.0          | 80     | 56      | 15      | 1800.75.13.630 | 1  |

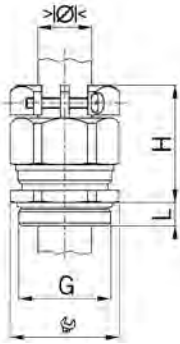




## CABLE GLANDS NICKEL-PLATED BRASS

### WITH CLAMPS

SHORT ENTRY THREAD PG



|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SCREWS:                   | STAINLESS STEEL A2   |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |

#### PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G           | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|-------------|---------------|---------------|--------|---------|---------|-----------------------|----|
| <b>Pg 7</b> | 5.0           | 6.5           | 15/16  | 26      | 6       | <b>1800.07.03.065</b> | 50 |
| <b>Pg 7</b> | 6.5           | 8.0           | 15/16  | 26      | 6       | <b>1800.07.03.080</b> | 50 |

#### PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|--------------|---------------|---------------|--------|---------|---------|-----------------------|----|
| <b>Pg 9</b>  | 6.0           | 10.5          | 18/19  | 30      | 6       | <b>1800.09.03.105</b> | 50 |
| <b>Pg 11</b> | 5.5           | 12.0          | 21     | 31      | 6       | <b>1800.11.03.120</b> | 50 |
| <b>Pg 13</b> | 8.0           | 15.0          | 24     | 31      | 6       | <b>1800.13.03.150</b> | 50 |
| <b>Pg 16</b> | 8.0           | 15.0          | 24     | 31      | 6       | <b>1800.16.03.150</b> | 50 |
| <b>Pg 21</b> | 12.5          | 20.5          | 30     | 35      | 7       | <b>1800.21.03.205</b> | 25 |
| <b>Pg 29</b> | 19.0          | 27.5          | 38     | 40      | 8       | <b>1800.29.03.275</b> | 25 |
| <b>Pg 36</b> | 26.0          | 35.0          | 50     | 47      | 8       | <b>1800.36.03.350</b> | 10 |
| <b>Pg 42</b> | 33.0          | 42.0          | 55     | 49      | 10      | <b>1800.42.03.410</b> | 10 |
| <b>Pg 48</b> | 37.0          | 49.0          | 65     | 51      | 11      | <b>1800.48.03.490</b> | 5  |

LONG ENTRY THREAD PG

#### PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G           | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|-------------|---------------|---------------|--------|---------|---------|-----------------------|----|
| <b>Pg 7</b> | 5.0           | 6.5           | 15/16  | 26      | 10      | <b>1800.07.13.065</b> | 50 |
| <b>Pg 7</b> | 6.5           | 8.0           | 15/16  | 26      | 10      | <b>1800.07.13.080</b> | 50 |

#### PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.             |    |
|--------------|---------------|---------------|--------|---------|---------|-----------------------|----|
| <b>Pg 9</b>  | 6.0           | 10.5          | 18/19  | 30      | 10      | <b>1800.09.13.105</b> | 50 |
| <b>Pg 11</b> | 5.5           | 12.0          | 21     | 31      | 10      | <b>1800.11.13.120</b> | 50 |
| <b>Pg 13</b> | 8.0           | 15.0          | 24     | 31      | 10      | <b>1800.13.13.150</b> | 50 |
| <b>Pg 16</b> | 8.0           | 15.0          | 24     | 31      | 10      | <b>1800.16.13.150</b> | 50 |
| <b>Pg 21</b> | 12.5          | 20.5          | 30     | 35      | 12      | <b>1800.21.13.205</b> | 25 |
| <b>Pg 29</b> | 19.0          | 27.5          | 38     | 40      | 12      | <b>1800.29.13.275</b> | 25 |
| <b>Pg 36</b> | 26.0          | 35.0          | 50     | 47      | 15      | <b>1800.36.13.350</b> | 10 |
| <b>Pg 42</b> | 33.0          | 42.0          | 55     | 49      | 15      | <b>1800.42.13.410</b> | 10 |
| <b>Pg 48</b> | 37.0          | 49.0          | 65     | 51      | 15      | <b>1800.48.13.490</b> | 5  |

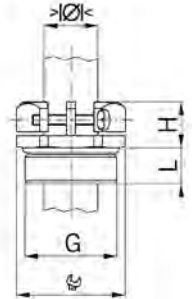


## CABLE GLANDS NICKEL-PLATED BRASS

### WITH CLAMPS

#### ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS  
 SCREWS: STAINLESS STEEL A2  
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION B  
 TEMPERATURE RANGE: -50°C / +300°C  
 PROTECTION CLASS: IP 20



#### PROGRESS MS KBST

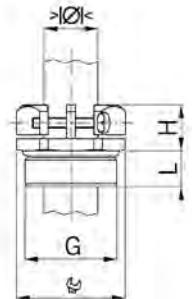
##### MECHANICAL STRAIN RELIEF B

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO. |  |
|---------|--------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------|---------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 5.0                                                          | 8.0                                                          | 16                                      | 10      | 10      | 1812.02   | 50                                                                                  |
| M16x1.5 | 6.0                                                          | 10.5                                                         | 19                                      | 11      | 10      | 1817.02   | 50                                                                                  |
| M20x1.5 | 8.0                                                          | 15.0                                                         | 24                                      | 12      | 10      | 1820.02   | 50                                                                                  |
| M25x1.5 | 12.5                                                         | 20.5                                                         | 30                                      | 13      | 11      | 1825.02   | 25                                                                                  |
| M32x1.5 | 17.0                                                         | 25.5                                                         | 36                                      | 15      | 13      | 1832.02   | 25                                                                                  |
| M40x1.5 | 24.0                                                         | 33.0                                                         | 46                                      | 17      | 13      | 1840.02   | 10                                                                                  |



#### ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SCREWS: STAINLESS STEEL A2  
 TEMPERATURE RANGE: -50°C / +300°C  
 PROTECTION CLASS: IP 20



#### PROGRESS MS KBST

##### MECHANICAL STRAIN RELIEF B

| G     | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO. |  |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 4.0                                                          | 8.0                                                          | 17                                      | 10      | 5       | 1807.02   | 50                                                                                    |
| Pg 9  | 6.0                                                          | 10.0                                                         | 20                                      | 11      | 6       | 1809.02   | 50                                                                                    |
| Pg 11 | 6.0                                                          | 12.0                                                         | 22                                      | 11      | 6       | 1811.02   | 50                                                                                    |
| Pg 13 | 7.0                                                          | 15.0                                                         | 24                                      | 11      | 7       | 1813.02   | 50                                                                                    |
| Pg 16 | 9.0                                                          | 17.0                                                         | 27                                      | 12      | 7       | 1816.02   | 50                                                                                    |
| Pg 21 | 12.0                                                         | 22.0                                                         | 35                                      | 14      | 8       | 1821.02   | 25                                                                                    |
| Pg 29 | 18.0                                                         | 30.0                                                         | 42                                      | 15      | 8       | 1829.02   | 10                                                                                    |
| Pg 36 | 24.0                                                         | 36.0                                                         | 55                                      | 18      | 10      | 1836.02   | 10                                                                                    |

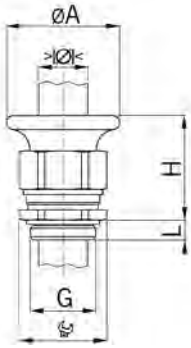




## CABLE GLANDS NICKEL-PLATED BRASS

### WITH TRUMPET

SHORT ENTRY THREAD METRIC

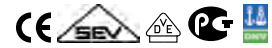


|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |

#### PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|----|----------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 18 | 28       | 31      | 5       | 1800.10.17 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24 | 34       | 32      | 6       | 1800.10.20 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30 | 44       | 38      | 7       | 1800.10.25 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36 | 50       | 44      | 8       | 1800.10.32 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46 | 57       | 46      | 8       | 1800.10.40 | 10 |



LONG ENTRY THREAD METRIC

#### PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|----|----------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 18 | 28       | 31      | 10      | 1800.11.17 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24 | 34       | 32      | 10      | 1800.11.20 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30 | 44       | 38      | 11      | 1800.11.25 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36 | 50       | 44      | 13      | 1800.11.32 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46 | 57       | 46      | 13      | 1800.11.40 | 10 |

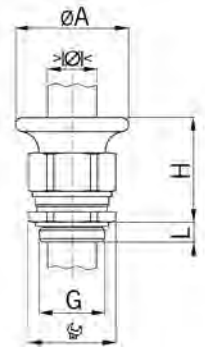


## CABLE GLANDS NICKEL-PLATED BRASS

### WITH TRUMPET

#### SHORT ENTRY THREAD PG

|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |



#### PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm |  mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.         |  |
|--------------|---------------|---------------|--------------------------------------------------------------------------------------|----------|---------|---------|-------------------|-------------------------------------------------------------------------------------|
| <b>PG 9</b>  | 6.0           | 10.5          | 18                                                                                   | 28       | 31      | 6       | <b>1800.10.09</b> | 50                                                                                  |
| <b>PG 11</b> | 5.5           | 12.0          | 21                                                                                   | 30       | 31      | 6       | <b>1800.10.11</b> | 50                                                                                  |
| <b>PG 13</b> | 8.0           | 15.0          | 24                                                                                   | 34       | 32      | 6       | <b>1800.10.13</b> | 50                                                                                  |
| <b>PG 16</b> | 8.0           | 15.0          | 24                                                                                   | 34       | 32      | 6       | <b>1800.10.16</b> | 50                                                                                  |
| <b>PG 21</b> | 12.5          | 20.5          | 30                                                                                   | 44       | 38      | 7.5     | <b>1800.10.21</b> | 25                                                                                  |
| <b>PG 29</b> | 19.0          | 27.5          | 38                                                                                   | 50       | 44      | 8       | <b>1800.10.29</b> | 10                                                                                  |



#### LONG ENTRY THREAD PG

#### PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm |  mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.         |  |
|--------------|---------------|---------------|----------------------------------------------------------------------------------------|----------|---------|---------|-------------------|---------------------------------------------------------------------------------------|
| <b>PG 9</b>  | 6.0           | 10.5          | 18                                                                                     | 28       | 31      | 10      | <b>1800.11.09</b> | 50                                                                                    |
| <b>PG 11</b> | 5.5           | 12.0          | 21                                                                                     | 30       | 31      | 10      | <b>1800.11.11</b> | 50                                                                                    |
| <b>PG 13</b> | 8.0           | 15.0          | 24                                                                                     | 34       | 32      | 10      | <b>1800.11.13</b> | 50                                                                                    |
| <b>PG 16</b> | 8.0           | 15.0          | 24                                                                                     | 34       | 32      | 10      | <b>1800.11.16</b> | 50                                                                                    |
| <b>PG 21</b> | 12.5          | 20.5          | 30                                                                                     | 44       | 38      | 12      | <b>1800.11.21</b> | 25                                                                                    |
| <b>PG 29</b> | 19.0          | 27.5          | 38                                                                                     | 50       | 44      | 12      | <b>1800.11.29</b> | 10                                                                                    |

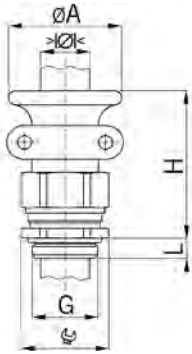




## CABLE GLANDS NICKEL-PLATED BRASS

### WITH TRUMPET / CLAMPS

SHORT ENTRY THREAD METRIC

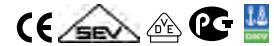


|                           |                                 |
|---------------------------|---------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS             |
| SCREWS:                   | STAINLESS STEEL A2              |
| SEAL:                     | TPE                             |
| O-RING:                   | NBR                             |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION B |
| TEMPERATURE RANGE:        | -40°C / +100°C                  |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)            |
| PROTECTION TYPE ADDITION: | IP 69K                          |

#### PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | <math>>\phi</math><br>min mm | <math>>\phi</math><br>max mm | <math>\phi</math><br>mm | <math>\phi A</math><br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|------------------------------|------------------------------|-------------------------|---------------------------|---------|---------|------------|----|
| M16x1.5 | 6.0                          | 10.5                         | 18                      | 28                        | 43      | 5       | 1801.10.17 | 50 |
| M20x1.5 | 8.0                          | 15.0                         | 24                      | 34                        | 46      | 6       | 1801.10.20 | 50 |
| M25x1.5 | 12.5                         | 20.5                         | 30                      | 44                        | 52      | 7       | 1801.10.25 | 25 |
| M32x1.5 | 17.0                         | 25.5                         | 36                      | 50                        | 59      | 8       | 1801.10.32 | 10 |
| M40x1.5 | 24.0                         | 33.0                         | 46                      | 57                        | 59      | 8       | 1801.10.40 | 5  |



LONG ENTRY THREAD METRIC

#### PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | <math>>\phi</math><br>min mm | <math>>\phi</math><br>max mm | <math>\phi</math><br>mm | <math>\phi A</math><br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|------------------------------|------------------------------|-------------------------|---------------------------|---------|---------|------------|----|
| M16x1.5 | 6.0                          | 10.5                         | 18                      | 28                        | 43      | 10      | 1801.11.17 | 50 |
| M20x1.5 | 8.0                          | 15.0                         | 24                      | 34                        | 46      | 10      | 1801.11.20 | 50 |
| M25x1.5 | 12.5                         | 20.5                         | 30                      | 44                        | 52      | 11      | 1801.11.25 | 25 |
| M32x1.5 | 17.0                         | 25.5                         | 36                      | 50                        | 59      | 13      | 1801.11.32 | 10 |
| M40x1.5 | 24.0                         | 33.0                         | 46                      | 57                        | 59      | 13      | 1801.11.40 | 5  |

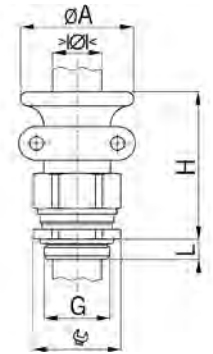


## CABLE GLANDS NICKEL-PLATED BRASS

### WITH TRUMPET / CLAMPS

SHORT ENTRY THREAD PG

|                           |                      |
|---------------------------|----------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS  |
| SCREWS:                   | STAINLESS STEEL A2   |
| SEAL:                     | TPE                  |
| O-RING:                   | NBR                  |
| TEMPERATURE RANGE:        | -40°C / +100°C       |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR) |
| PROTECTION TYPE ADDITION: | IP 69K               |



#### PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|--------------------------------------------------------------------------------------|----------|---------|---------|------------|-------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 18                                                                                   | 28       | 43      | 6       | 1801.10.09 | 50                                                                                  |
| Pg 11 | 5.5           | 12.0          | 21                                                                                   | 30       | 43      | 6       | 1801.10.11 | 50                                                                                  |
| Pg 13 | 8.0           | 15.0          | 24                                                                                   | 34       | 46      | 6       | 1801.10.13 | 50                                                                                  |
| Pg 16 | 8.0           | 15.0          | 24                                                                                   | 34       | 46      | 6       | 1801.10.16 | 50                                                                                  |
| Pg 21 | 12.5          | 20.5          | 30                                                                                   | 44       | 52      | 7.5     | 1801.10.21 | 25                                                                                  |
| Pg 29 | 19.0          | 27.5          | 38                                                                                   | 50       | 59      | 8       | 1801.10.29 | 10                                                                                  |



LONG ENTRY THREAD PG

#### PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

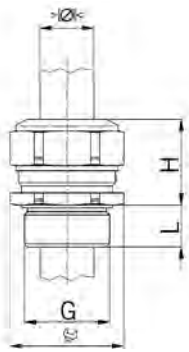
| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|----------------------------------------------------------------------------------------|----------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 18                                                                                     | 28       | 43      | 10      | 1801.11.09 | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 21                                                                                     | 30       | 43      | 10      | 1801.11.11 | 50                                                                                    |
| Pg 13 | 8.0           | 15.0          | 24                                                                                     | 34       | 46      | 10      | 1801.11.13 | 50                                                                                    |
| Pg 16 | 8.0           | 15.0          | 24                                                                                     | 34       | 46      | 10      | 1801.11.16 | 50                                                                                    |
| Pg 21 | 12.5          | 20.5          | 30                                                                                     | 44       | 52      | 12      | 1801.11.21 | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 38                                                                                     | 50       | 59      | 12      | 1801.11.29 | 10                                                                                    |





## CABLE GLANDS STAINLESS STEEL A2

LONG ENTRY THREAD METRIC



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| MATERIAL:                 | CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303) |
| IDENTIFICATION:           | 1 GROOVE                                           |
| SEAL:                     | TPE                                                |
| O-RING:                   | NBR                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                    |
| TEMPERATURE RANGE:        | -40°C / +100°C                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                               |
| PROTECTION TYPE ADDITION: | IP 69K                                             |

### PROGRESS S2

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |  |
|---------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|-----------|----------------|-------------------------------------------------------------------------------------|
| M8x1.25 | 2.5           | 3.5           | 11                                                                                      | 14      | 10      | 1         | 1100.08.94.035 | 50                                                                                  |
| M8x1.25 | 3.5           | 5.0           | 11                                                                                      | 14      | 10      | 1         | 1100.08.94.050 | 50                                                                                  |
| M10x1.5 | 3.0           | 4.0           | 13                                                                                      | 15      | 10      | 1         | 1100.10.94.040 | 50                                                                                  |
| M10x1.5 | 4.0           | 6.0           | 13                                                                                      | 15      | 10      | 1         | 1100.10.94.060 | 50                                                                                  |
| M12x1.5 | 3.5           | 5.0           | 17                                                                                      | 17      | 10      | -         | 1100.12.94.050 | 50                                                                                  |
| M12x1.5 | 5.0           | 6.5           | 17                                                                                      | 17      | 10      | -         | 1100.12.94.065 | 50                                                                                  |
| M12x1.5 | 6.5           | 8.0           | 17                                                                                      | 17      | 10      | -         | 1100.12.94.080 | 50                                                                                  |
| M16x1.5 | 8.0           | 10.5          | 19                                                                                      | 20      | 10      | -         | 1100.17.94.105 | 50                                                                                  |
| M20x1.5 | 11.0          | 15.0          | 24                                                                                      | 21      | 10      | -         | 1100.20.94.150 | 50                                                                                  |
| M25x1.5 | 16.0          | 20.5          | 30                                                                                      | 25      | 11      | -         | 1100.25.94.205 | 25                                                                                  |
| M32x1.5 | 21.0          | 25.5          | 36                                                                                      | 28      | 13      | -         | 1100.32.94.255 | 25                                                                                  |
| M40x1.5 | 28.5          | 33.0          | 46                                                                                      | 31      | 13      | -         | 1100.40.94.330 | 10                                                                                  |
| M50x1.5 | 37.0          | 42.0          | 55                                                                                      | 34      | 14      | -         | 1100.50.94.420 | 10                                                                                  |
| M63x1.5 | 46.0          | 52.0          | 70                                                                                      | 37      | 14      | -         | 1100.63.94.520 | 5                                                                                   |

1 = METRIC COARSE-PITCH THREAD



### PROGRESS S2

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|---------|---------------|---------------|-------------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| M16x1.5 | 6.0           | 10.5          | 19                                                                                        | 20      | 10      | 1100.17.94 | 50                                                                                    |
| M20x1.5 | 8.0           | 15.0          | 24                                                                                        | 21      | 10      | 1100.20.94 | 50                                                                                    |
| M25x1.5 | 12.5          | 20.5          | 30                                                                                        | 25      | 11      | 1100.25.94 | 25                                                                                    |
| M32x1.5 | 17.0          | 25.5          | 36                                                                                        | 28      | 13      | 1100.32.94 | 25                                                                                    |
| M40x1.5 | 24.0          | 33.0          | 46                                                                                        | 31      | 13      | 1100.40.94 | 10                                                                                    |
| M50x1.5 | 33.0          | 42.0          | 55                                                                                        | 34      | 14      | 1100.50.94 | 10                                                                                    |
| M63x1.5 | 40.0          | 52.0          | 70                                                                                        | 37      | 14      | 1100.63.94 | 5                                                                                     |

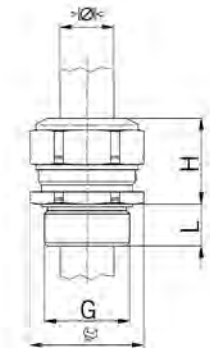




## CABLE GLANDS STAINLESS STEEL A2

### LONG ENTRY THREAD PG

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| MATERIAL:                 | CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303) |
| IDENTIFICATION:           | 1 GROOVE                                           |
| SEAL:                     | TPE                                                |
| O-RING:                   | NBR                                                |
| TEMPERATURE RANGE:        | -40°C / +100°C                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                               |
| PROTECTION TYPE ADDITION: | IP 69K                                             |



#### PROGRESS S2

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |  |
|-------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|----------------|-------------------------------------------------------------------------------------|
| Pg 7  | 3.5           | 5.0           | 17                                                                                      | 17      | 10      | 1100.07.94.050 | 50                                                                                  |
| Pg 7  | 5.0           | 6.5           | 17                                                                                      | 17      | 10      | 1100.07.94.065 | 50                                                                                  |
| Pg 7  | 6.5           | 8.0           | 17                                                                                      | 17      | 10      | 1100.07.94.080 | 50                                                                                  |
| Pg 9  | 8.0           | 10.5          | 19                                                                                      | 20      | 10      | 1100.09.94.105 | 50                                                                                  |
| Pg 11 | 8.5           | 12.0          | 22                                                                                      | 21      | 10      | 1100.11.94.120 | 50                                                                                  |
| Pg 13 | 11.0          | 15.0          | 24                                                                                      | 21      | 10      | 1100.13.94.150 | 50                                                                                  |
| Pg 16 | 11.0          | 15.0          | 24                                                                                      | 21      | 10      | 1100.16.94.150 | 50                                                                                  |
| Pg 21 | 16.0          | 20.5          | 30                                                                                      | 25      | 12      | 1100.21.94.205 | 25                                                                                  |
| Pg 29 | 23.0          | 27.5          | 41                                                                                      | 28      | 12      | 1100.29.94.275 | 25                                                                                  |
| Pg 36 | 30.5          | 35.0          | 50                                                                                      | 32      | 15      | 1100.36.94.350 | 10                                                                                  |
| Pg 42 | 37.0          | 42.0          | 55                                                                                      | 34      | 15      | 1100.42.94.420 | 10                                                                                  |
| Pg 48 | 43.0          | 49.0          | 65                                                                                      | 37      | 15      | 1100.48.94.490 | 10                                                                                  |



#### PROGRESS S2

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|-------------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 19                                                                                        | 20      | 10      | 1100.09.94 | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 21                                                                                        | 21      | 10      | 1100.11.94 | 50                                                                                    |
| Pg 13 | 8.0           | 15.0          | 24                                                                                        | 21      | 10      | 1100.13.94 | 50                                                                                    |
| Pg 16 | 8.0           | 15.0          | 24                                                                                        | 21      | 10      | 1100.16.94 | 50                                                                                    |
| Pg 21 | 12.5          | 20.5          | 30                                                                                        | 25      | 12      | 1100.21.94 | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 41                                                                                        | 28      | 12      | 1100.29.94 | 25                                                                                    |
| Pg 36 | 26.0          | 35.0          | 50                                                                                        | 32      | 15      | 1100.36.94 | 10                                                                                    |
| Pg 42 | 33.0          | 42.0          | 55                                                                                        | 34      | 15      | 1100.42.94 | 10                                                                                    |
| Pg 48 | 37.0          | 49.0          | 65                                                                                        | 37      | 15      | 1100.48.94 | 10                                                                                    |

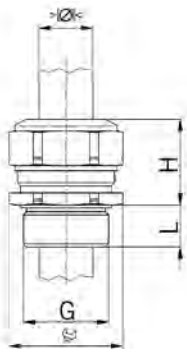




## CABLE GLANDS STAINLESS STEEL A2

### FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD METRIC



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| MATERIAL:                 | CRNi STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303) |
| IDENTIFICATION:           | 1 GROOVE                                           |
| SEAL:                     | FPM                                                |
| O-RING:                   | FPM                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                    |
| TEMPERATURE RANGE:        | -40°C / +200°C                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                               |
| PROTECTION TYPE ADDITION: | IP 69K                                             |

#### PROGRESS S2 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|-----------|----------------|----|
| M8x1.25 | 2.5           | 3.5           | 11     | 14      | 10      | 1         | 1100.08.96.035 | 50 |
| M8x1.25 | 3.5           | 5.0           | 11     | 14      | 10      | 1         | 1100.08.96.050 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13     | 15      | 10      | 1         | 1100.10.96.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13     | 15      | 10      | 1         | 1100.10.96.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 17     | 17      | 10      | -         | 1100.12.96.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 17     | 17      | 10      | -         | 1100.12.96.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 17     | 17      | 10      | -         | 1100.12.96.080 | 50 |
| M16x1.5 | 8.0           | 10.5          | 19     | 20      | 10      | -         | 1100.17.96.105 | 50 |
| M20x1.5 | 11.0          | 15.0          | 24     | 21      | 10      | -         | 1100.20.96.150 | 50 |
| M25x1.5 | 16.0          | 20.5          | 30     | 25      | 11      | -         | 1100.25.96.205 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36     | 28      | 13      | -         | 1100.32.96.255 | 25 |
| M40x1.5 | 28.5          | 33.0          | 46     | 31      | 13      | -         | 1100.40.96.330 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55     | 34      | 14      | -         | 1100.50.96.420 | 10 |
| M63x1.5 | 46.0          | 52.0          | 70     | 37      | 14      | -         | 1100.63.96.520 | 5  |

1 = METRIC COARSE-PITCH THREAD

#### PROGRESS S2 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



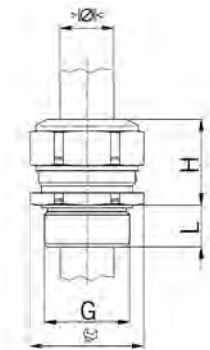
| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|--------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 19     | 20      | 10      | 1100.17.96 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24     | 21      | 10      | 1100.20.96 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30     | 25      | 11      | 1100.25.96 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36     | 28      | 13      | 1100.32.96 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46     | 31      | 13      | 1100.40.96 | 10 |
| M50x1.5 | 33.0          | 42.0          | 55     | 34      | 14      | 1100.50.96 | 10 |
| M63x1.5 | 40.0          | 52.0          | 70     | 37      | 14      | 1100.63.96 | 5  |

# CABLE GLANDS STAINLESS STEEL A2

## FOR HIGH TEMPERATURE APPLICATIONS

### LONG ENTRY THREAD PG

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| MATERIAL:                 | CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303) |
| IDENTIFICATION:           | 1 GROOVE                                           |
| SEAL:                     | FPM                                                |
| O-RING:                   | FPM                                                |
| TEMPERATURE RANGE:        | -40°C / +200°C                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                               |
| PROTECTION TYPE ADDITION: | IP 69K                                             |



#### PROGRESS S2 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.      |  |
|-------|---------------|---------------|--------------------------------------------------------------------------------------|---------|---------|----------------|-------------------------------------------------------------------------------------|
| Pg 7  | 3.5           | 5.0           | 17                                                                                   | 17      | 10      | 1100.07.96.050 | 50                                                                                  |
| Pg 7  | 5.0           | 6.5           | 17                                                                                   | 17      | 10      | 1100.07.96.065 | 50                                                                                  |
| Pg 7  | 6.5           | 8.0           | 17                                                                                   | 17      | 10      | 1100.07.96.080 | 50                                                                                  |
| Pg 9  | 8.0           | 10.5          | 19                                                                                   | 20      | 10      | 1100.09.96.105 | 50                                                                                  |
| Pg 11 | 8.5           | 12.0          | 22                                                                                   | 21      | 10      | 1100.11.96.120 | 50                                                                                  |
| Pg 13 | 11.0          | 15.0          | 24                                                                                   | 21      | 10      | 1100.13.96.150 | 50                                                                                  |
| Pg 16 | 11.0          | 15.0          | 24                                                                                   | 21      | 10      | 1100.16.96.150 | 50                                                                                  |
| Pg 21 | 16.0          | 20.5          | 30                                                                                   | 25      | 12      | 1100.21.96.205 | 25                                                                                  |
| Pg 29 | 23.0          | 27.5          | 41                                                                                   | 28      | 12      | 1100.29.96.275 | 25                                                                                  |
| Pg 36 | 30.5          | 35.0          | 50                                                                                   | 32      | 15      | 1100.36.96.350 | 10                                                                                  |
| Pg 42 | 37.0          | 42.0          | 55                                                                                   | 34      | 15      | 1100.42.96.420 | 10                                                                                  |
| Pg 48 | 43.0          | 49.0          | 65                                                                                   | 37      | 15      | 1100.48.96.490 | 10                                                                                  |



#### PROGRESS S2 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|----------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 19                                                                                     | 20      | 10      | 1100.09.96 | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 22                                                                                     | 21      | 10      | 1100.11.96 | 50                                                                                    |
| Pg 13 | 8.0           | 15.0          | 24                                                                                     | 21      | 10      | 1100.13.96 | 50                                                                                    |
| Pg 16 | 8.0           | 15.0          | 24                                                                                     | 21      | 10      | 1100.16.96 | 50                                                                                    |
| Pg 21 | 12.5          | 20.5          | 30                                                                                     | 25      | 12      | 1100.21.96 | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 41                                                                                     | 28      | 12      | 1100.29.96 | 25                                                                                    |
| Pg 36 | 26.0          | 35.0          | 50                                                                                     | 32      | 15      | 1100.36.96 | 10                                                                                    |
| Pg 42 | 33.0          | 42.0          | 55                                                                                     | 34      | 15      | 1100.42.96 | 10                                                                                    |
| Pg 48 | 37.0          | 49.0          | 65                                                                                     | 37      | 15      | 1100.48.96 | 10                                                                                    |

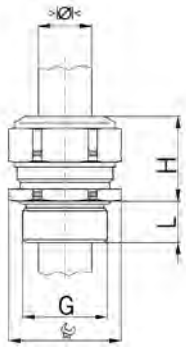




## CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

### FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD METRIC



|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| MATERIAL:                 | STAINLESS AND ACID RESISTANT STEEL A4 CRNiMo<br>(DIN EN 1.4435 / AISI 316L) |
| IDENTIFICATION:           | 2 GROOVES                                                                   |
| SEAL:                     | FPM                                                                         |
| O-RING:                   | FPM                                                                         |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                             |
| TEMPERATURE RANGE:        | -40°C / +200°C                                                              |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                        |
| PROTECTION TYPE ADDITION: | IP 69K                                                                      |

#### PROGRESS S4 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|--------|---------|---------|-----------|----------------|----|
| M8x1.25 | 2.5           | 3.5           | 11     | 14      | 10      | 1         | 1100.08.98.035 | 50 |
| M8x1.25 | 3.5           | 5.0           | 11     | 14      | 10      | 1         | 1100.08.98.050 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13     | 15      | 10      | 1         | 1100.10.98.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13     | 15      | 10      | 1         | 1100.10.98.060 | 50 |
| M12x1.5 | 3.5           | 5.0           | 17     | 17      | 10      | -         | 1100.12.98.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 17     | 17      | 10      | -         | 1100.12.98.065 | 50 |
| M12x1.5 | 6.5           | 8.0           | 17     | 17      | 10      | -         | 1100.12.98.080 | 50 |
| M16x1.5 | 8.0           | 10.5          | 19     | 20      | 10      | -         | 1100.17.98.105 | 50 |
| M20x1.5 | 11.0          | 15.0          | 24     | 21      | 10      | -         | 1100.20.98.150 | 50 |
| M25x1.5 | 16.0          | 20.5          | 30     | 25      | 11      | -         | 1100.25.98.205 | 25 |
| M32x1.5 | 21.0          | 25.5          | 36     | 28      | 13      | -         | 1100.32.98.255 | 25 |
| M40x1.5 | 28.5          | 33.0          | 46     | 31      | 13      | -         | 1100.40.98.330 | 10 |
| M50x1.5 | 37.0          | 42.0          | 55     | 34      | 14      | -         | 1100.50.98.420 | 10 |
| M63x1.5 | 46.0          | 52.0          | 70     | 37      | 14      | -         | 1100.63.98.520 | 5  |

1 = METRIC COARSE-PITCH THREAD



#### PROGRESS S4 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |    |
|---------|---------------|---------------|--------|---------|---------|------------|----|
| M16x1.5 | 6.0           | 10.5          | 19     | 20      | 10      | 1100.17.98 | 50 |
| M20x1.5 | 8.0           | 15.0          | 24     | 21      | 10      | 1100.20.98 | 50 |
| M25x1.5 | 12.5          | 20.5          | 30     | 25      | 11      | 1100.25.98 | 25 |
| M32x1.5 | 17.0          | 25.5          | 36     | 28      | 13      | 1100.32.98 | 25 |
| M40x1.5 | 24.0          | 33.0          | 46     | 31      | 13      | 1100.40.98 | 10 |
| M50x1.5 | 33.0          | 42.0          | 55     | 34      | 14      | 1100.50.98 | 10 |
| M63x1.5 | 40.0          | 52.0          | 70     | 37      | 14      | 1100.63.98 | 5  |

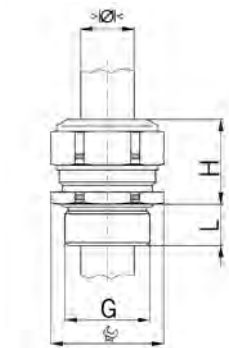


# CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

## FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD PG

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| MATERIAL:                 | STAINLESS AND ACID RESISTANT STEEL A4 CRNIMO<br>(DIN EN 1.4435 / AISI 316L) |
| IDENTIFICATION:           | 2 GROOVES                                                                   |
| SEAL:                     | FPM                                                                         |
| O-RING:                   | FPM                                                                         |
| TEMPERATURE RANGE:        | -40°C / +200°C                                                              |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                        |
| PROTECTION TYPE ADDITION: | IP 69K                                                                      |



### PROGRESS S4 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.      |  |
|-------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|----------------|-------------------------------------------------------------------------------------|
| Pg 7  | 3.5           | 5.0           | 17                                                                                      | 17      | 10      | 1100.07.98.050 | 50                                                                                  |
| Pg 7  | 5.0           | 6.5           | 17                                                                                      | 17      | 10      | 1100.07.98.065 | 50                                                                                  |
| Pg 7  | 6.5           | 8.0           | 17                                                                                      | 17      | 10      | 1100.07.98.080 | 50                                                                                  |
| Pg 9  | 8.0           | 10.5          | 19                                                                                      | 20      | 10      | 1100.09.98.105 | 50                                                                                  |
| Pg 11 | 8.5           | 12.0          | 22                                                                                      | 21      | 10      | 1100.11.98.120 | 50                                                                                  |
| Pg 13 | 11.0          | 15.0          | 24                                                                                      | 21      | 10      | 1100.13.98.150 | 50                                                                                  |
| Pg 16 | 11.0          | 15.0          | 24                                                                                      | 21      | 10      | 1100.16.98.150 | 50                                                                                  |
| Pg 21 | 16.0          | 20.5          | 30                                                                                      | 25      | 12      | 1100.21.98.205 | 25                                                                                  |
| Pg 29 | 23.0          | 27.5          | 41                                                                                      | 28      | 12      | 1100.29.98.275 | 25                                                                                  |
| Pg 36 | 30.5          | 35.0          | 50                                                                                      | 32      | 15      | 1100.36.98.350 | 10                                                                                  |
| Pg 42 | 37.0          | 42.0          | 55                                                                                      | 34      | 15      | 1100.42.98.420 | 10                                                                                  |
| Pg 48 | 43.0          | 49.0          | 65                                                                                      | 37      | 15      | 1100.48.98.490 | 10                                                                                  |



### PROGRESS S4 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|-------------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 9  | 6.0           | 10.5          | 19                                                                                        | 20      | 10      | 1100.09.98 | 50                                                                                    |
| Pg 11 | 5.5           | 12.0          | 22                                                                                        | 21      | 10      | 1100.11.98 | 50                                                                                    |
| Pg 13 | 8.0           | 15.0          | 24                                                                                        | 21      | 10      | 1100.13.98 | 50                                                                                    |
| Pg 16 | 8.0           | 15.0          | 24                                                                                        | 21      | 10      | 1100.16.98 | 50                                                                                    |
| Pg 21 | 12.5          | 20.5          | 30                                                                                        | 25      | 12      | 1100.21.98 | 25                                                                                    |
| Pg 29 | 19.0          | 27.5          | 41                                                                                        | 28      | 12      | 1100.29.98 | 25                                                                                    |
| Pg 36 | 26.0          | 35.0          | 50                                                                                        | 32      | 15      | 1100.36.98 | 10                                                                                    |
| Pg 42 | 33.0          | 42.0          | 55                                                                                        | 34      | 15      | 1100.42.98 | 10                                                                                    |
| Pg 48 | 37.0          | 49.0          | 65                                                                                        | 37      | 15      | 1100.48.98 | 10                                                                                    |

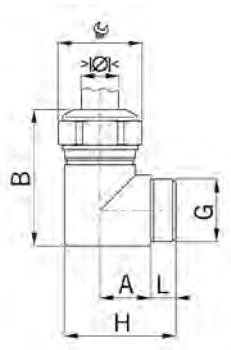




## CABLE GLANDS NICKEL-PLATED BRASS

### ELBOW 90°

SHORT ENTRY THREAD METRIC

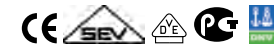


|                    |                                      |
|--------------------|--------------------------------------|
| MATERIAL:          | NICKEL-PLATED BRASS                  |
| SEAL:              | TPE                                  |
| STRAIN RELIEF:     | ACCORDING TO EN 50262 VERSION A      |
| TEMPERATURE RANGE: | -40°C / +100°C                       |
| PROTECTION CLASS:  | IP 68                                |
| ENTRY THREAD:      | IP 68, IF THE ENTRY THREAD IS SEALED |

#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ |  mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|---------|---------|---------|
| M12x1.5 | 5.0                                                                          | 6.5                                                                          | 15                                                                                   | 27      | 8       | 11      | 32      |



PART. NO.

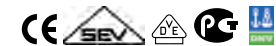


5200.12 50

#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ |  mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|---------|---------|---------|
| M16x1.5 | 6.0                                                                          | 10.5                                                                         | 18                                                                                   | 30      | 8       | 13      | 36      |
| M20x1.5 | 8.0                                                                          | 15.0                                                                         | 24                                                                                   | 35      | 8       | 16      | 44      |
| M25x1.5 | 12.5                                                                         | 20.5                                                                         | 30                                                                                   | 44      | 10      | 20      | 52      |
| M32x1.5 | 17.0                                                                         | 25.5                                                                         | 36                                                                                   | 50      | 10      | 23      | 60      |
| M40x1.5 | 24.0                                                                         | 33.0                                                                         | 46                                                                                   | 60      | 10      | 28      | 72      |



PART. NO.



5200.17 50

5200.20 50

5200.25 25

5200.32 25

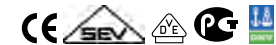
5200.40 10

LONG ENTRY THREAD METRIC

#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ |  mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------|---------|---------|---------|
| M12x1.5 | 5.0                                                                          | 6.5                                                                          | 15                                                                                     | 30      | 12      | 11      | 32      |



PART. NO.

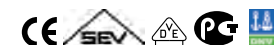


5210.12 50

#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$ |  mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------|---------|---------|---------|
| M16x1.5 | 6.0                                                                          | 10.5                                                                         | 18                                                                                     | 34      | 12      | 13      | 36      |
| M20x1.5 | 8.0                                                                          | 15.0                                                                         | 24                                                                                     | 39      | 12      | 16      | 44      |
| M25x1.5 | 12.5                                                                         | 20.5                                                                         | 30                                                                                     | 48      | 14      | 20      | 52      |
| M32x1.5 | 17.0                                                                         | 25.5                                                                         | 36                                                                                     | 56      | 16      | 23      | 60      |
| M40x1.5 | 24.0                                                                         | 33.0                                                                         | 46                                                                                     | 66      | 16      | 28      | 72      |



PART. NO.



5210.17 50

5210.20 50

5210.25 25

5210.32 25

5210.40 10

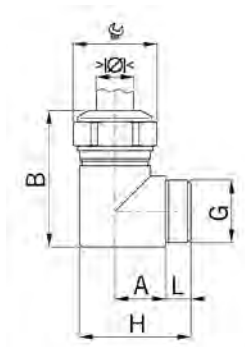


## CABLE GLANDS NICKEL-PLATED BRASS

### ELBOW 90°

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68  
 ENTRY THREAD: IP 68, IF THE ENTRY THREAD IS SEALED



#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G    | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm | PART. NO. |    |
|------|---------------|---------------|--------|---------|---------|---------|---------|-----------|----|
| Pg 7 | 5.0           | 6.5           | 15     | 27      | 8       | 11      | 32      | 5200.07   | 50 |



#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm | PART. NO. |    |
|-------|---------------|---------------|--------|---------|---------|---------|---------|-----------|----|
| Pg 9  | 6.0           | 10.5          | 18     | 30      | 8       | 13      | 36      | 5200.09   | 50 |
| Pg 11 | 5.5           | 12.0          | 21     | 35      | 8       | 14      | 40      | 5200.11   | 50 |
| Pg 13 | 8.0           | 15.0          | 24     | 41      | 10      | 16      | 44      | 5200.13   | 50 |
| Pg 16 | 8.0           | 15.0          | 24     | 41      | 10      | 16      | 44      | 5200.16   | 50 |
| Pg 21 | 12.5          | 20.5          | 30     | 44      | 10      | 20      | 52      | 5200.21   | 25 |
| Pg 29 | 19.0          | 27.5          | 38     | 56      | 10      | 24      | 65      | 5200.29   | 10 |



LONG ENTRY THREAD PG

#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G    | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm | PART. NO. |    |
|------|---------------|---------------|--------|---------|---------|---------|---------|-----------|----|
| Pg 7 | 5.0           | 6.5           | 15     | 30      | 11      | 11      | 32      | 5210.07   | 50 |



#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm | PART. NO. |    |
|-------|---------------|---------------|--------|---------|---------|---------|---------|-----------|----|
| Pg 9  | 6.0           | 10.5          | 18     | 34      | 11      | 13      | 36      | 5210.09   | 50 |
| Pg 11 | 5.5           | 12.0          | 21     | 38      | 11      | 14      | 40      | 5210.11   | 50 |
| Pg 13 | 8.0           | 15.0          | 24     | 44      | 13      | 16      | 44      | 5210.13   | 50 |
| Pg 16 | 8.0           | 15.0          | 24     | 44      | 13      | 16      | 44      | 5210.16   | 50 |
| Pg 21 | 12.5          | 20.5          | 30     | 48      | 14      | 20      | 52      | 5210.21   | 25 |
| Pg 29 | 19.0          | 27.5          | 38     | 60      | 14      | 24      | 65      | 5210.29   | 10 |

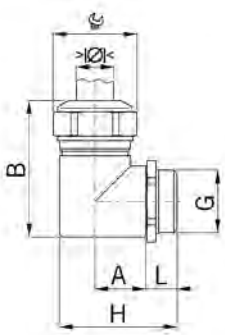




## CABLE GLANDS NICKEL-PLATED BRASS

### ELBOW 90°

LONG ENTRY THREAD METRIC WITH LOCK NUT



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68

#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|---------------|---------------|----|---------|---------|---------|---------|
| M12x1.5 | 5.0           | 6.5           | 15 | 30      | 12      | 11      | 32      |



PART. NO.



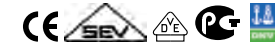
5215.12 50



#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|---------|---------------|---------------|----|---------|---------|---------|---------|
| M16x1.5 | 6.0           | 10.5          | 18 | 34      | 12      | 13      | 36      |
| M20x1.5 | 8.0           | 15.0          | 24 | 39      | 12      | 16      | 44      |
| M25x1.5 | 12.5          | 20.5          | 30 | 48      | 14      | 20      | 52      |
| M32x1.5 | 17.0          | 25.5          | 36 | 56      | 16      | 23      | 60      |
| M40x1.5 | 24.0          | 33.0          | 46 | 66      | 16      | 28      | 72      |



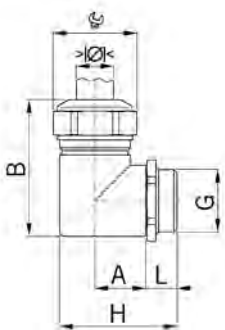
PART. NO.



5215.17 50  
 5215.20 50  
 5215.25 25  
 5215.32 25  
 5215.40 10



LONG ENTRY THREAD PG WITH LOCK NUT



MATERIAL: NICKEL-PLATED BRASS  
 SEAL: TPE  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68

#### PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G    | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|------|---------------|---------------|----|---------|---------|---------|---------|
| Pg 7 | 5.0           | 6.5           | 15 | 30      | 11      | 11      | 32      |



PART. NO.



5215.07 50



#### PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | A<br>mm | B<br>mm |
|-------|---------------|---------------|----|---------|---------|---------|---------|
| Pg 9  | 6.0           | 10.5          | 18 | 34      | 11      | 13      | 36      |
| Pg 11 | 5.5           | 12.0          | 21 | 38      | 11      | 14      | 40      |
| Pg 13 | 8.0           | 15.0          | 24 | 44      | 13      | 16      | 44      |
| Pg 16 | 8.0           | 15.0          | 24 | 44      | 13      | 16      | 44      |
| Pg 21 | 12.5          | 20.5          | 30 | 48      | 14      | 20      | 52      |
| Pg 29 | 19.0          | 27.5          | 38 | 60      | 14      | 24      | 65      |



PART. NO.



5215.09 50  
 5215.11 50  
 5215.13 50  
 5215.16 50  
 5215.21 25  
 5215.29 10

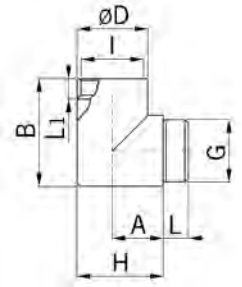


## ELBOW 90° NICKEL-PLATED BRASS

### WITH INTERNAL & EXTERNAL THREAD

#### ENTRY THREAD METRIC

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                  |
| O-RING:                   | NBR                                  |
| TEMPERATURE RANGE:        | -40°C / +100°C                       |
| PROTECTION CLASS:         | IP 54                                |
| PROTECTION TYPE ADDITION: | IP 68, IF THE ENTRY THREAD IS SEALED |



#### WITH O-RING

| G       | I       | D<br>mm | L<br>mm | L1<br>mm | A<br>mm | B<br>mm | H<br>mm | PART. NO. |  |
|---------|---------|---------|---------|----------|---------|---------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | M12x1.5 | 15      | 5.0     | 7        | 13      | 25      | 20      | 5612      | 50                                                                                  |
| M16x1.5 | M16x1.5 | 19      | 6.5     | 7        | 16      | 29      | 26      | 5617      | 50                                                                                  |
| M20x1.5 | M20x1.5 | 24      | 6.0     | 10       | 19      | 37      | 31      | 5620      | 50                                                                                  |
| M25x1.5 | M25x1.5 | 29      | 7.5     | 10       | 23      | 42      | 37      | 5625      | 25                                                                                  |
| M32x1.5 | M32x1.5 | 36      | 8.5     | 11       | 26      | 50      | 44      | 5632      | 25                                                                                  |
| M40x1.5 | M40x1.5 | 46      | 9.5     | 17       | 34      | 67      | 57      | 5640      | 10                                                                                  |
| M50x1.5 | M50x1.5 | 56      | 9.0     | 17       | 41      | 77      | 69      | 5650      | 10                                                                                  |



#### ENTRY THREAD PG

#### WITH O-RING

| G     | I     | D<br>mm | L<br>mm | L1<br>mm | A<br>mm | B<br>mm | H<br>mm | PART. NO. |  |
|-------|-------|---------|---------|----------|---------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | Pg 7  | 16      | 7       | 7        | 13      | 23      | 21      | 5607      | 50                                                                                    |
| Pg 9  | Pg 9  | 18      | 7       | 7        | 15      | 26      | 24      | 5609      | 50                                                                                    |
| Pg 11 | Pg 11 | 22      | 8       | 8        | 18      | 31      | 29      | 5611      | 50                                                                                    |
| Pg 13 | Pg 13 | 24      | 10      | 10       | 19      | 34      | 31      | 5613      | 50                                                                                    |
| Pg 16 | Pg 16 | 26      | 10      | 10       | 20      | 36      | 33      | 5616      | 50                                                                                    |
| Pg 21 | Pg 21 | 34      | 11      | 11       | 24      | 46      | 41      | 5621      | 25                                                                                    |
| Pg 29 | Pg 29 | 41      | 11      | 11       | 28      | 52      | 49      | 5629      | 20                                                                                    |
| Pg 36 | Pg 36 | 52      | 12      | 17       | 38      | 82      | 64      | 5636      | 10                                                                                    |

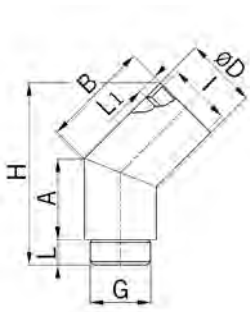




## ELBOWS 45° NICKEL-PLATED BRASS

### WITH INTERNAL & EXTERNAL THREAD

ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



WITH O-RING

| G              | I       | D<br>mm | L<br>mm | L1<br>mm | A<br>mm | B<br>mm | H<br>mm | PART. NO.   |  |
|----------------|---------|---------|---------|----------|---------|---------|---------|-------------|-------------------------------------------------------------------------------------|
| <b>M16x1.5</b> | M16x1.5 | 19      | 6.5     | 7        | 13      | 18      | 26      | <b>5717</b> | 50                                                                                  |
| <b>M20x1.5</b> | M20x1.5 | 24      | 7.5     | 10       | 17      | 23      | 33      | <b>5720</b> | 50                                                                                  |
| <b>M25x1.5</b> | M25x1.5 | 29      | 7.0     | 10       | 18      | 25      | 36      | <b>5725</b> | 25                                                                                  |
| <b>M32x1.5</b> | M32x1.5 | 36      | 8.5     | 11       | 21      | 28      | 41      | <b>5732</b> | 25                                                                                  |

ENTRY THREAD PG



WITH O-RING

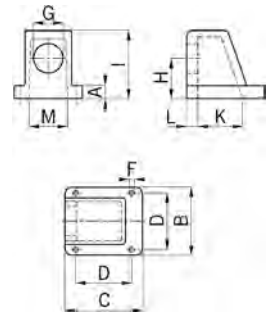
| G            | I     | D<br>mm | L<br>mm | L1<br>mm | A<br>mm | B<br>mm | H<br>mm | PART. NO.   |  |
|--------------|-------|---------|---------|----------|---------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| <b>Pg 11</b> | Pg 11 | 22      | 8       | 11       | 16      | 20      | 30      | <b>5711</b> | 50                                                                                    |
| <b>Pg 16</b> | Pg 16 | 26      | 10      | 12       | 18      | 23      | 34      | <b>5716</b> | 50                                                                                    |
| <b>Pg 21</b> | Pg 21 | 34      | 11      | 12       | 21      | 26      | 39      | <b>5721</b> | 25                                                                                    |
| <b>Pg 29</b> | Pg 29 | 41      | 8       | 16       | 27      | 32      | -       | <b>5729</b> | 25                                                                                    |

## FLANGES & ELBOWS

### ENTRY THREAD METRIC

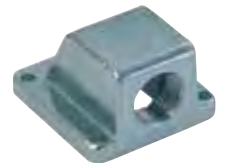
#### FLANGED ELBOW 90° ALUMINUM

|                    |                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------|
| MATERIAL:          | ALUMINIUM                                                                                            |
| SEAL:              | NBR                                                                                                  |
| TEMPERATURE RANGE: | -40°C / +100°C                                                                                       |
| PROTECTION CLASS:  | IP 65                                                                                                |
| PROPERTIES:        | FOR SPLASH WATER-PROOF MOUNTING ON CASING WALLS WITH ENTRY THREAD FOR CABLE GLANDS OR CONDUIT GLANDS |



WITH 1 ENTRY THREAD

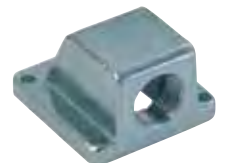
| G       | B/C<br>mm | D<br>mm | F<br>mm | A<br>mm | H<br>mm | I<br>mm | K<br>mm | L<br>mm | M<br>mm | PART. NO. |    |
|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|----|
| M16x1.5 | 45 x 48   | 37      | 4.3     | 8       | 15.5    | 30      | 28      | 10.5    | 24      | 5517      | 10 |
| M20x1.5 | 53 x 56   | 44      | 5.5     | 8       | 18.0    | 35      | 34      | 10.5    | 24      | 5520      | 10 |
| M25x1.5 | 63 x 65   | 54      | 5.5     | 8       | 22.5    | 42      | 43      | 11.0    | 35      | 5525      | 5  |
| M32x1.5 | 71 x 75   | 60      | 5.5     | 10      | 27.0    | 52      | 53      | 11.0    | 38      | 5532      | 5  |
| M40x1.5 | 71 x 75   | 60      | 5.5     | 10      | 27.0    | 52      | 53      | 11.0    | 38      | 5540      | 5  |
| M50x1.5 | 89 x 93   | 72      | 6.5     | 11      | 33.5    | 69      | 65      | 18.0    | 50      | 5550      | 2  |
| M63x1.5 | 96 x 114  | 84      | 4.3     | 10      | 37.0    | 74      | 86      | 14.0    | 67      | 5563      | 2  |



### ENTRY THREAD PG

WITH 1 ENTRY THREAD

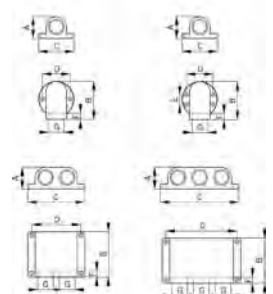
| G     | B/C<br>mm | D<br>mm | F<br>mm | A<br>mm | H<br>mm | I<br>mm | K<br>mm | L<br>mm | M<br>mm | PART. NO. |    |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|----|
| Pg 9  | 45 x 48   | 37      | 4.3     | 8       | 15.5    | 30      | 28      | 10.5    | 24      | 5509      | 10 |
| Pg 13 | 53 x 56   | 44      | 5.5     | 8       | 19.0    | 35      | 34      | 10.5    | 24      | 5513      | 10 |
| Pg 16 | 53 x 56   | 44      | 5.5     | 8       | 19.0    | 35      | 34      | 10.5    | 24      | 5516      | 10 |
| Pg 21 | 63 x 65   | 54      | 5.5     | 8       | 23.0    | 42      | 43      | 11.0    | 35      | 5521      | 10 |
| Pg 29 | 71 x 75   | 60      | 5.5     | 10      | 27.0    | 52      | 53      | 11.0    | 38      | 5529      | 10 |
| Pg 36 | 89 x 94   | 72      | 6.5     | 11      | 34.0    | 69      | 65      | 18.0    | 50      | 5536      | 10 |



### ENTRY THREAD PG

#### FLANGED ELBOW 90° ZINC DIECASTING

|                    |                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------|
| MATERIAL:          | ZINC DIECASTING                                                                                      |
| COLOR:             | HAMMERGREY ENAMEL                                                                                    |
| SEAL:              | NBR                                                                                                  |
| TEMPERATURE RANGE: | -20°C / +100°C                                                                                       |
| PROTECTION CLASS:  | IP 65                                                                                                |
| PROPERTIES:        | FOR SPLASH WATER-PROOF MOUNTING ON CASING WALLS WITH ENTRY THREAD FOR CABLE GLANDS OR CONDUIT GLANDS |



WITH 1-3 ENTRY THREADS

| G     |     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm |       | PART. NO. |    |
|-------|-----|---------|---------|---------|---------|---------|---------|-------|-----------|----|
| Pg 16 | 1 x | 31      | 42      | 42      | 36.0    | -       | 11      | 2x4.5 | 5516.10   | 10 |
| Pg 21 | 1 x | 40      | 60      | 60      | 52.5    | -       | 12      | 2x5.2 | 5521.10   | 10 |
| Pg 29 | 1 x | 51.5    | 76      | 66      | 54.0    | 36      | 12      | 4x5.5 | 5529.10   | 10 |
| Pg 36 | 1 x | 62      | 90      | 85      | 73.0    | 30      | 12      | 4x5.5 | 5536.10   | 10 |
| Pg 16 | 2 x | 34      | 70      | 91      | 79.0    | 58      | 10      | 4x5.5 | 5516.12   | 10 |
| Pg 16 | 3 x | 34      | 70      | 124     | 111.0   | 56      | 10      | 4x5.5 | 5516.13   | 10 |

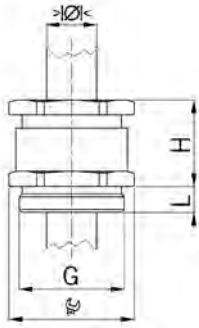




## CABLE GLANDS NICKEL-PLATED BRASS

### ACCORDING TO DIN 46320-C4-MS

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
SEAL: NBR  
TEMPERATURE RANGE: -20°C / +80°C  
PROTECTION CLASS: IP 54



ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm    | H<br>mm | L<br>mm | PART. NO. |  |
|---------|---------------|---------------|-------|---------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 5.0           | 7.0           | 14/13 | 15      | 5       | B 112     | 100                                                                                 |
| M16x1.5 | 6.0           | 8.0           | 18/15 | 15      | 5       | B 117     | 100                                                                                 |
| M20x1.5 | 8.0           | 10.0          | 22/18 | 19      | 6       | B 120.10  | 50                                                                                  |
| M20x1.5 | 10.0          | 12.0          | 22/20 | 19      | 6       | B 120.12  | 50                                                                                  |
| M20x1.5 | 12.0          | 14.0          | 22/20 | 19      | 6       | B 120.14  | 50                                                                                  |
| M25x1.5 | 15.0          | 17.0          | 30/28 | 23      | 7       | B 125     | 50                                                                                  |
| M32x1.5 | 24.0          | 26.0          | 40/37 | 26      | 8       | B 132     | 25                                                                                  |
| M40x1.5 | 33.0          | 35.0          | 50/47 | 30      | 8       | B 140     | 20                                                                                  |
| M50x1.5 | 41.0          | 43.0          | 57/54 | 34      | 9       | B 150     | 10                                                                                  |
| M63x1.5 | 45.0          | 47.0          | 66/60 | 35      | 10      | B 163     | 10                                                                                  |

LONG ENTRY THREAD METRIC



ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm    | H<br>mm | L<br>mm | PART. NO. |  |
|---------|---------------|---------------|-------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| M12x1.5 | 5.0           | 7.0           | 14/13 | 15      | 10      | B 212     | 100                                                                                   |
| M16x1.5 | 6.0           | 8.0           | 18/15 | 15      | 10      | B 217     | 100                                                                                   |
| M20x1.5 | 8.0           | 10.0          | 22/18 | 19      | 10      | B 220.10  | 50                                                                                    |
| M20x1.5 | 10.0          | 12.0          | 22/20 | 19      | 10      | B 220.12  | 50                                                                                    |
| M20x1.5 | 12.0          | 14.0          | 22/20 | 19      | 10      | B 220.14  | 50                                                                                    |
| M25x1.5 | 15.0          | 17.0          | 30/28 | 23      | 12      | B 225     | 50                                                                                    |
| M32x1.5 | 24.0          | 26.0          | 40/37 | 26      | 12      | B 232     | 25                                                                                    |
| M40x1.5 | 33.0          | 35.0          | 50/47 | 30      | 14      | B 240     | 20                                                                                    |
| M50x1.5 | 41.0          | 43.0          | 57/54 | 34      | 14      | B 250     | 10                                                                                    |
| M63x1.5 | 45.0          | 47.0          | 66/60 | 35      | 14      | B 263     | 10                                                                                    |



## CABLE GLANDS NICKEL-PLATED BRASS

### WITH ANTIKINK NOZZLE & CLAMPS

SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS  
 SEAL: NBR  
 ANTIKINK NOZZLE: NBR  
 TEMPERATURE RANGE: -20°C / +80°C  
 PROTECTION CLASS: IP 65 IF THE ENTRY THREAD IS SEALED

ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

| G       | $\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{min mm} \end{array}$ | $\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{max mm} \end{array}$ | $\begin{array}{c} \text{mm} \\ \text{mm} \end{array}$ | H<br>mm | L<br>mm | PART. NO.  |  |
|---------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------|---------|---------|------------|-------------------------------------------------------------------------------------|
| M12x1.5 | 3.5                                                                         | 5.0                                                                         | 14/15                                                 | 28      | 5       | 1852.12.05 | 25                                                                                  |
| M16x1.5 | 5.5                                                                         | 7.0                                                                         | 17/18                                                 | 28      | 6       | 1852.16.07 | 25                                                                                  |
| M20x1.5 | 5.5                                                                         | 7.0                                                                         | 20/22                                                 | 32      | 6       | 1852.20.07 | 25                                                                                  |
| M20x1.5 | 7.5                                                                         | 9.0                                                                         | 20/22                                                 | 32      | 6       | 1852.20.09 | 25                                                                                  |
| M20x1.5 | 9.0                                                                         | 11.0                                                                        | 22/22                                                 | 33      | 6       | 1852.20.11 | 25                                                                                  |
| M20x1.5 | 11.0                                                                        | 13.0                                                                        | 22/22                                                 | 33      | 6       | 1852.20.13 | 25                                                                                  |
| M20x1.5 | 13.0                                                                        | 15.0                                                                        | 24/24                                                 | 35      | 6       | 1852.20.15 | 25                                                                                  |
| M25x1.5 | 13.5                                                                        | 15.0                                                                        | 30/30                                                 | 42      | 7       | 1852.25.15 | 25                                                                                  |
| M25x1.5 | 15.0                                                                        | 17.0                                                                        | 30/30                                                 | 42      | 7       | 1852.25.17 | 25                                                                                  |
| M25x1.5 | 17.0                                                                        | 19.0                                                                        | 30/30                                                 | 42      | 7       | 1852.25.19 | 25                                                                                  |
| M25x1.5 | 18.0                                                                        | 20.0                                                                        | 30/30                                                 | 42      | 7       | 1852.25.20 | 25                                                                                  |
| M32x1.5 | 21.0                                                                        | 23.0                                                                        | 40/40                                                 | 42      | 8       | 1852.32.23 | 1                                                                                   |
| M32x1.5 | 23.0                                                                        | 25.0                                                                        | 40/40                                                 | 42      | 8       | 1852.32.25 | 1                                                                                   |
| M40x1.5 | 23.0                                                                        | 26.0                                                                        | 50/50                                                 | 51      | 9       | 1852.40.26 | 1                                                                                   |
| M40x1.5 | 27.0                                                                        | 30.0                                                                        | 50/50                                                 | 51      | 9       | 1852.40.30 | 1                                                                                   |
| M40x1.5 | 30.0                                                                        | 33.0                                                                        | 50/50                                                 | 51      | 9       | 1852.40.33 | 1                                                                                   |
| M40x1.5 | 32.0                                                                        | 35.0                                                                        | 50/50                                                 | 51      | 9       | 1852.40.35 | 1                                                                                   |



SHORT ENTRY THREAD PG

ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

| G     | $\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{min mm} \end{array}$ | $\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{max mm} \end{array}$ | $\begin{array}{c} \text{mm} \\ \text{mm} \end{array}$ | H<br>mm | L<br>mm | PART. NO.     |  |
|-------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------|---------|---------|---------------|---------------------------------------------------------------------------------------|
| Pg 7  | 3.5                                                                         | 5.0                                                                         | 14/16                                                 | 28      | 5       | 1852.07.05    | 50                                                                                    |
| Pg 9  | 5.5                                                                         | 7.0                                                                         | 17/19                                                 | 28      | 6       | 1852.09.07    | 50                                                                                    |
| Pg 11 | 5.5                                                                         | 7.0                                                                         | 20/22                                                 | 32      | 6       | 1852.11.07    | 50                                                                                    |
| Pg 11 | 7.5                                                                         | 9.0                                                                         | 20/22                                                 | 32      | 6       | 1852.11.09    | 50                                                                                    |
| Pg 13 | 7.5                                                                         | 9.0                                                                         | 22/24                                                 | 32      | 6       | 1852.13.09    | 25                                                                                    |
| Pg 13 | 9.0                                                                         | 11.0                                                                        | 22/24                                                 | 33      | 6       | 1852.13.11    | 25                                                                                    |
| Pg 13 | 11.0                                                                        | 13.0                                                                        | 22/24                                                 | 33      | 6       | 1852.13.13    | 25                                                                                    |
| Pg 16 | 11.5                                                                        | 13.0                                                                        | 24/27                                                 | 35      | 6       | 1852.16.13    | 25                                                                                    |
| Pg 16 | 13.0                                                                        | 15.0                                                                        | 24/27                                                 | 35      | 6       | 1852.16.15    | 25                                                                                    |
| Pg 21 | 13.5                                                                        | 15.0                                                                        | 30/34                                                 | 42      | 7       | 1852.21.15    | 25                                                                                    |
| Pg 21 | 15.0                                                                        | 17.0                                                                        | 30/34                                                 | 42      | 7       | 1852.21.17    | 25                                                                                    |
| Pg 21 | 17.0                                                                        | 19.0                                                                        | 30/34                                                 | 42      | 7       | 1852.21.19    | 25                                                                                    |
| Pg 21 | 18.0                                                                        | 20.0                                                                        | 30/34                                                 | 42      | 7       | 1852.21.20    | 25                                                                                    |
| Pg 29 | 18.0                                                                        | 20.0                                                                        | 40/42                                                 | 42      | 8       | 1852.29.20    | 1                                                                                     |
| Pg 29 | 21.0                                                                        | 23.0                                                                        | 40/42                                                 | 42      | 8       | 1852.29.23    | 1                                                                                     |
| Pg 29 | 23.0                                                                        | 25.0                                                                        | 40/42                                                 | 42      | 8       | 1852.29.25    | 1                                                                                     |
| Pg 36 | 23.0                                                                        | 26.0                                                                        | 50/52                                                 | 51      | 9       | 1852.36.26    | 1                                                                                     |
| Pg 36 | 27.0                                                                        | 30.0                                                                        | 50/52                                                 | 51      | 9       | 1852.36.30    | 1                                                                                     |
| Pg 36 | 30.0                                                                        | 33.0                                                                        | 50/52                                                 | 51      | 9       | 1852.36.33    | 1                                                                                     |
| Pg 36 | 32.0                                                                        | 35.0                                                                        | 50/52                                                 | 51      | 9       | 1852.36.35    | 1                                                                                     |
| Pg 42 | 32.0                                                                        | 35.0                                                                        | 57/62                                                 | 59      | 10      | 1852.42.35    | 1                                                                                     |
| Pg 42 | 35.0                                                                        | 38.0                                                                        | 57/62                                                 | 59      | 10      | 1852.42.38    | 1                                                                                     |
| Pg 42 | 36.0                                                                        | 40.0                                                                        | 57/62                                                 | 59      | 10      | 1852.42.40    | 1                                                                                     |
| Pg 48 | 36.0                                                                        | 40.0                                                                        | 64/68                                                 | 62      | 10      | 1852.48.48.40 | 1                                                                                     |
| Pg 48 | 40.0                                                                        | 44.0                                                                        | 64/68                                                 | 62      | 10      | 1852.48.48.44 | 1                                                                                     |





## CABLE GLANDS EMC EASYCONNECT NICKEL-PLATED BRASS

### WITH CONTACT SPRING

SHORT ENTRY THREAD METRIC



|                           |                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                                                                          |
| CONTACT SPRING:           | SPRING STEEL 1.4310                                                                                                                                                          |
| SEAL:                     | TPE                                                                                                                                                                          |
| O-RING:                   | NBR                                                                                                                                                                          |
| STRAIN RELIEF:            | ACCORDING TO IEC 62444 VERSION A                                                                                                                                             |
| TEMPERATURE RANGE:        | -60°C / +100°C                                                                                                                                                               |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                                                                                         |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                                                                                       |
| PROPERTIES:               | FULL CONTROL OF THE INSTALLATION PROCESS THANKS TO FAST AND SAFE ASSEMBLY FOR PARTIALLY STRIPPED SHIELDING CABLES EQUALLY AS WELL AS THE CONTACT OF COMPLETELY CABLE SHIELDS |

#### PROGRESS MS EMC EASYCONNECT



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|----|---------|---------|-----------|-------------|----|
| M12x1.5 | 3.5           | 5.0           | 15 | 22      | 5       | 1         | 1083.12.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15 | 22      | 5       | 1         | 1083.12.065 | 50 |
| M16x1.5 | 6.0           | 10.5          | 18 | 25      | 5       | -         | 1083.17     | 50 |
| M20x1.5 | 8.0           | 15.0          | 24 | 27      | 6       | -         | 1083.20     | 50 |
| M25x1.5 | 12.5          | 20.5          | 30 | 33      | 7       | -         | 1083.25     | 25 |
| M32x1.5 | 17.0          | 25.5          | 36 | 33      | 8       | -         | 1083.32     | 25 |

1 = ONE-PIECE SEALING INSERT

APPROVALS IN PREPERATION

LONG ENTRY THREAD METRIC

#### PROGRESS MS EMC EASYCONNECT



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|----|---------|---------|-----------|-------------|----|
| M12x1.5 | 3.5           | 5.0           | 15 | 22      | 10      | 1         | 1183.12.050 | 50 |
| M12x1.5 | 5.0           | 6.5           | 15 | 22      | 10      | 1         | 1183.12.065 | 50 |
| M16x1.5 | 6.0           | 10.5          | 18 | 25      | 10      | -         | 1183.17     | 50 |
| M20x1.5 | 8.0           | 15.0          | 24 | 27      | 10      | -         | 1183.20     | 50 |
| M25x1.5 | 12.5          | 20.5          | 30 | 33      | 11      | -         | 1183.25     | 25 |
| M32x1.5 | 17.0          | 25.5          | 36 | 33      | 13      | -         | 1183.32     | 25 |

1 = ONE-PIECE SEALING INSERT

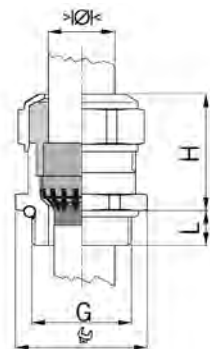
APPROVALS IN PREPERATION

## CABLE GLANDS EMC RAPID NICKEL-PLATED BRASS

### WITH CONTACT DISC

#### SHORT ENTRY THREAD METRIC

|                           |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                           |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                           |
| CONTACT DISC:             | STAINLESS STEEL A2                                                                            |
| SEAL:                     | TPE                                                                                           |
| O-RING:                   | NBR                                                                                           |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                               |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                          |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                        |
| PROPERTIES:               | FOR A QUICK INSTALLATION OF PARTIALLY DISMANTLED CABLES AS WELL AS THOROUGHLY SHIELDED CABLES |

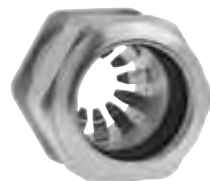


#### PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO.   |    |
|---------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------|---------|---------|-------------|----|
| M12x1.5 | 4.5                                                          | 6.0                                                          | 15                                                     | 20      | 5       | 1081.12.060 | 50 |
| M12x1.5 | 6.0                                                          | 7.5                                                          | 15                                                     | 20      | 5       | 1081.12.075 | 50 |
| M16x1.5 | 6.0                                                          | 8.0                                                          | 18                                                     | 23      | 5       | 1081.17.080 | 50 |
| M16x1.5 | 8.0                                                          | 10.0                                                         | 18                                                     | 25      | 5       | 1081.17.100 | 50 |
| M20x1.5 | 8.0                                                          | 11.0                                                         | 24                                                     | 25      | 6       | 1081.20.110 | 50 |
| M20x1.5 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 6       | 1081.20.140 | 50 |
| M25x1.5 | 13.0                                                         | 16.0                                                         | 30                                                     | 30      | 7       | 1081.25.160 | 25 |
| M25x1.5 | 16.0                                                         | 19.0                                                         | 30                                                     | 33      | 7       | 1081.25.190 | 25 |
| M32x1.5 | 18.0                                                         | 21.0                                                         | 36                                                     | 32      | 8       | 1081.32.210 | 25 |
| M32x1.5 | 21.0                                                         | 25.0                                                         | 36                                                     | 32      | 8       | 1081.32.250 | 25 |



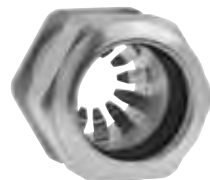
#### LONG ENTRY THREAD METRIC

#### PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO.   |    |
|---------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------|---------|---------|-------------|----|
| M12x1.5 | 4.5                                                          | 6.0                                                          | 15                                                     | 20      | 10      | 1181.12.060 | 50 |
| M12x1.5 | 6.0                                                          | 7.5                                                          | 15                                                     | 20      | 10      | 1181.12.075 | 50 |
| M16x1.5 | 6.0                                                          | 8.0                                                          | 18                                                     | 23      | 10      | 1181.17.080 | 50 |
| M16x1.5 | 8.0                                                          | 10.0                                                         | 18                                                     | 25      | 10      | 1181.17.100 | 50 |
| M20x1.5 | 8.0                                                          | 11.0                                                         | 24                                                     | 25      | 10      | 1181.20.110 | 50 |
| M20x1.5 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 10      | 1181.20.140 | 50 |
| M25x1.5 | 13.0                                                         | 16.0                                                         | 30                                                     | 30      | 11      | 1181.25.160 | 25 |
| M25x1.5 | 16.0                                                         | 19.0                                                         | 30                                                     | 33      | 11      | 1181.25.190 | 25 |
| M32x1.5 | 18.0                                                         | 21.0                                                         | 36                                                     | 32      | 13      | 1181.32.210 | 25 |
| M32x1.5 | 21.0                                                         | 25.0                                                         | 36                                                     | 32      | 13      | 1181.32.250 | 25 |

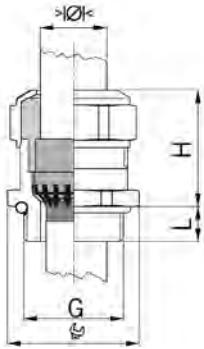




## CABLE GLANDS EMC RAPID NICKEL-PLATED BRASS

### WITH CONTACT DISC

SHORT ENTRY THREAD PG

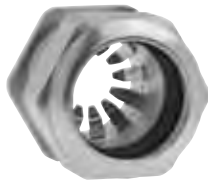


|                           |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                           |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                           |
| CONTACT DISC:             | STAINLESS STEEL A2                                                                            |
| SEAL:                     | TPE                                                                                           |
| O-RING:                   | NBR                                                                                           |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                          |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                        |
| PROPERTIES:               | FOR A QUICK INSTALLATION OF PARTIALLY DISMANTLED CABLES AS WELL AS THOROUGHLY SHIELDED CABLES |

#### PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



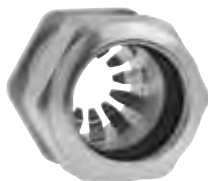
| G     | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO.   |    |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------|---------|---------|-------------|----|
| PG 7  | 4.5                                                          | 6.0                                                          | 15                                                     | 20      | 6       | 1081.07.060 | 50 |
| PG 7  | 6.0                                                          | 7.5                                                          | 15                                                     | 20      | 6       | 1081.07.075 | 50 |
| PG 9  | 6.0                                                          | 8.0                                                          | 18                                                     | 23      | 6       | 1081.09.080 | 50 |
| PG 9  | 8.0                                                          | 10.0                                                         | 18                                                     | 25      | 6       | 1081.09.100 | 50 |
| PG 11 | 5.5                                                          | 8.5                                                          | 21                                                     | 25      | 6       | 1081.11.085 | 50 |
| PG 11 | 8.5                                                          | 12.0                                                         | 21                                                     | 25      | 6       | 1081.11.120 | 50 |
| PG 13 | 8.0                                                          | 11.0                                                         | 24                                                     | 25      | 6       | 1081.13.110 | 50 |
| PG 13 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 6       | 1081.13.140 | 50 |
| PG 16 | 8.0                                                          | 11.0                                                         | 24                                                     | 24      | 6       | 1081.16.110 | 50 |
| PG 16 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 6       | 1081.16.140 | 50 |
| PG 21 | 13.0                                                         | 16.0                                                         | 30                                                     | 30      | 7       | 1081.21.160 | 25 |
| PG 21 | 16.0                                                         | 19.0                                                         | 30                                                     | 33      | 7       | 1081.21.190 | 25 |
| PG 29 | 19.0                                                         | 23.0                                                         | 38                                                     | 33      | 8       | 1081.29.230 | 25 |
| PG 29 | 23.0                                                         | 25.5                                                         | 38                                                     | 32      | 8       | 1081.29.255 | 25 |

LONG ENTRY THREAD PG

#### PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



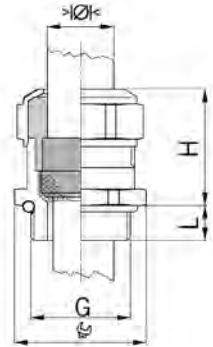
| G     | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO.   |    |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------|---------|---------|-------------|----|
| PG 7  | 4.5                                                          | 6.0                                                          | 15                                                     | 20      | 10      | 1181.07.060 | 50 |
| PG 7  | 6.0                                                          | 7.5                                                          | 15                                                     | 20      | 10      | 1181.07.075 | 50 |
| PG 9  | 6.0                                                          | 8.0                                                          | 18                                                     | 23      | 10      | 1181.09.080 | 50 |
| PG 9  | 8.0                                                          | 10.0                                                         | 18                                                     | 25      | 10      | 1181.09.100 | 50 |
| PG 11 | 5.5                                                          | 8.5                                                          | 21                                                     | 25      | 10      | 1181.11.085 | 50 |
| PG 11 | 8.5                                                          | 12.0                                                         | 21                                                     | 25      | 10      | 1181.11.120 | 50 |
| PG 13 | 8.0                                                          | 11.0                                                         | 24                                                     | 25      | 10      | 1181.13.110 | 50 |
| PG 13 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 10      | 1181.13.140 | 50 |
| PG 16 | 8.0                                                          | 11.0                                                         | 24                                                     | 24      | 10      | 1181.16.110 | 50 |
| PG 16 | 11.0                                                         | 14.0                                                         | 24                                                     | 27      | 10      | 1181.16.140 | 50 |
| PG 21 | 13.0                                                         | 16.0                                                         | 30                                                     | 30      | 12      | 1181.21.160 | 25 |
| PG 21 | 16.0                                                         | 19.0                                                         | 30                                                     | 33      | 12      | 1181.21.190 | 25 |
| PG 29 | 19.0                                                         | 23.0                                                         | 38                                                     | 33      | 12      | 1181.29.230 | 25 |
| PG 29 | 23.0                                                         | 25.5                                                         | 38                                                     | 32      | 12      | 1181.29.255 | 25 |

## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH CONTACT SLEEVE

SHORT ENTRY THREAD METRIC

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                                                |
| SEAL:                     | TPE                                                                                                                |
| O-RING:                   | NBR                                                                                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                                                    |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                               |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |



#### PROGRESS MS EMC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm  | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|-----|---------|---------|-----------|-------------|----|
| M8x1.25 | 2.5           | 3.5           | 11  | 15      | 5       | 1         | 1080.08.035 | 50 |
| M8x1.25 | 3.0           | 4.0           | 11  | 15      | 5       | 1         | 1080.08.040 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13  | 16      | 5       | 1         | 1080.10.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13  | 16      | 5       | 1         | 1080.10.060 | 50 |
| M12x1.5 | 4.5           | 6.0           | 15  | 20      | 5       | -         | 1080.12.060 | 50 |
| M12x1.5 | 6.0           | 7.5           | 15  | 20      | 5       | -         | 1080.12.075 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18  | 23      | 5       | -         | 1080.17.080 | 50 |
| M16x1.5 | 8.0           | 10.0          | 18  | 25      | 5       | -         | 1080.17.100 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24  | 25      | 6       | -         | 1080.20.110 | 50 |
| M20x1.5 | 11.0          | 14.0          | 24  | 27      | 6       | -         | 1080.20.140 | 50 |
| M25x1.5 | 13.0          | 16.0          | 30  | 30      | 7       | -         | 1080.25.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 30  | 33      | 7       | -         | 1080.25.190 | 25 |
| M32x1.5 | 18.0          | 21.0          | 36  | 32      | 8       | -         | 1080.32.210 | 25 |
| M32x1.5 | 21.0          | 25.0          | 36  | 32      | 8       | -         | 1080.32.250 | 25 |
| M40x1.5 | 24.0          | 28.5          | 46  | 34      | 8       | -         | 1080.40.285 | 10 |
| M40x1.5 | 28.5          | 32.0          | 46  | 34      | 8       | -         | 1080.40.320 | 10 |
| M50x1.5 | 33.0          | 37.0          | 55  | 36      | 9       | -         | 1080.50.370 | 10 |
| M50x1.5 | 37.0          | 41.0          | 55  | 36      | 9       | -         | 1080.50.410 | 10 |
| M63x1.5 | 40.0          | 46.0          | 70  | 39      | 10      | -         | 1080.63.460 | 5  |
| M63x1.5 | 46.0          | 50.0          | 70  | 39      | 10      | -         | 1080.63.500 | 5  |
| M75x1.5 | 50.0          | 56.0          | 80  | 40      | 11      | -         | 1080.75.560 | 1  |
| M80x2.0 | 56.0          | 65.0          | 95  | 45      | 18      | -         | 1080.80.650 | 1  |
| M85x2.0 | 63.0          | 70.0          | 95  | 45      | 18      | -         | 1080.85.700 | 1  |
| M95x2.0 | 68.0          | 75.0          | 110 | 52      | 20      | -         | 1080.95.750 | 1  |



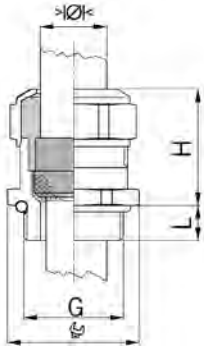
1 = METRIC COARSE-PITCH THREAD



## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH CONTACT SLEEVE

LONG ENTRY THREAD METRIC



|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                                                |
| SEAL:                     | TPE                                                                                                                |
| O-RING :                  | NBR                                                                                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                                                    |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                               |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |

#### PROGRESS MS EMC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.   |    |
|---------|---------------|---------------|---------|---------|---------|-----------|-------------|----|
| M8x1.25 | 2.5           | 3.5           | 11      | 15      | 10      | 1         | 1180.08.035 | 50 |
| M8x1.25 | 3.0           | 4.0           | 11      | 15      | 10      | 1         | 1180.08.040 | 50 |
| M10x1.5 | 3.0           | 4.0           | 13      | 16      | 10      | 1         | 1180.10.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 16      | 10      | 1         | 1180.10.060 | 50 |
| M12x1.5 | 4.5           | 6.0           | 15      | 20      | 10      | -         | 1180.12.060 | 50 |
| M12x1.5 | 6.0           | 7.5           | 15      | 20      | 10      | -         | 1180.12.075 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18      | 23      | 10      | -         | 1180.17.080 | 50 |
| M16x1.5 | 8.0           | 10.0          | 18      | 25      | 10      | -         | 1180.17.100 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24      | 25      | 10      | -         | 1180.20.110 | 50 |
| M20x1.5 | 11.0          | 14.0          | 24      | 27      | 10      | -         | 1180.20.140 | 50 |
| M25x1.5 | 13.0          | 16.0          | 30      | 30      | 11      | -         | 1180.25.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 30      | 33      | 11      | -         | 1180.25.190 | 25 |
| M32x1.5 | 18.0          | 21.0          | 36      | 32      | 13      | -         | 1180.32.210 | 25 |
| M32x1.5 | 21.0          | 25.0          | 36      | 32      | 13      | -         | 1180.32.250 | 25 |
| M40x1.5 | 24.0          | 28.5          | 46      | 34      | 13      | -         | 1180.40.285 | 10 |
| M40x1.5 | 28.5          | 32.0          | 46      | 34      | 13      | -         | 1180.40.320 | 10 |
| M50x1.5 | 33.0          | 37.0          | 55      | 36      | 14      | -         | 1180.50.370 | 10 |
| M50x1.5 | 37.0          | 41.0          | 55      | 36      | 14      | -         | 1180.50.410 | 10 |
| M63x1.5 | 40.0          | 46.0          | 70      | 39      | 14      | -         | 1180.63.460 | 5  |
| M63x1.5 | 46.0          | 50.0          | 70      | 39      | 14      | -         | 1180.63.500 | 5  |

1 = METRIC COARSE-PITCH THREAD

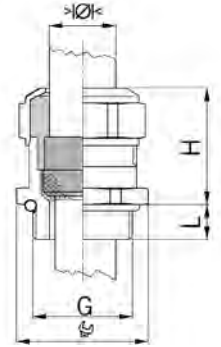


## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH CONTACT SLEEVE

#### SHORT ENTRY THREAD PG

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                                                |
| SEAL:                     | TPE                                                                                                                |
| O-RING:                   | NBR                                                                                                                |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                               |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |



#### PROGRESS MS EMC

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO. |                |
|-------|---------------|---------------|---------|---------|-----------|----------------|
| Pg 7  | 4.5           | 6.0           | 15      | 20      | 6         | 1080.07.060 50 |
| Pg 7  | 6.0           | 7.5           | 15      | 20      | 6         | 1080.07.075 50 |
| Pg 9  | 6.0           | 8.0           | 18      | 23      | 6         | 1080.09.080 50 |
| Pg 9  | 8.0           | 10.0          | 18      | 25      | 6         | 1080.09.100 50 |
| Pg 11 | 5.5           | 8.5           | 21      | 23      | 6         | 1080.11.085 50 |
| Pg 11 | 8.5           | 12.0          | 21      | 23      | 6         | 1080.11.120 50 |
| Pg 13 | 8.0           | 11.0          | 24      | 25      | 6         | 1080.13.110 50 |
| Pg 13 | 11.0          | 14.0          | 24      | 27      | 6         | 1080.13.140 50 |
| Pg 16 | 8.0           | 11.0          | 24      | 24      | 6         | 1080.16.110 50 |
| Pg 16 | 11.0          | 14.0          | 24      | 27      | 6         | 1080.16.140 50 |
| Pg 21 | 13.0          | 16.0          | 30      | 30      | 7.5       | 1080.21.160 25 |
| Pg 21 | 16.0          | 19.0          | 30      | 33      | 7.5       | 1080.21.190 25 |
| Pg 29 | 19.0          | 23.0          | 38      | 33      | 8         | 1080.29.230 25 |
| Pg 29 | 23.0          | 25.5          | 38      | 32      | 8         | 1080.29.255 25 |
| Pg 36 | 25.0          | 30.5          | 50      | 36      | 8         | 1080.36.305 10 |
| Pg 36 | 30.5          | 35.0          | 50      | 34      | 8         | 1080.36.350 10 |
| Pg 42 | 33.0          | 37.0          | 55      | 37      | 10        | 1080.42.370 10 |
| Pg 42 | 37.0          | 41.0          | 55      | 36      | 10        | 1080.42.410 10 |
| Pg 48 | 39.0          | 43.0          | 65      | 42      | 11        | 1080.48.430 10 |
| Pg 48 | 43.0          | 46.5          | 65      | 40      | 11        | 1080.48.465 10 |



#### LONG ENTRY THREAD PG

#### PROGRESS MS EMC

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO. |                |
|-------|---------------|---------------|---------|---------|-----------|----------------|
| Pg 7  | 4.5           | 6.0           | 15      | 20      | 10        | 1180.07.060 50 |
| Pg 7  | 6.0           | 7.5           | 15      | 20      | 10        | 1180.07.075 50 |
| Pg 9  | 6.0           | 8.0           | 18      | 23      | 10        | 1180.09.080 50 |
| Pg 9  | 8.0           | 10.0          | 18      | 25      | 10        | 1180.09.100 50 |
| Pg 11 | 5.5           | 8.5           | 21      | 23      | 10        | 1180.11.085 50 |
| Pg 11 | 8.5           | 12.0          | 21      | 23      | 10        | 1180.11.120 50 |
| Pg 13 | 8.0           | 11.0          | 24      | 25      | 10        | 1180.13.110 50 |
| Pg 13 | 11.0          | 14.0          | 24      | 27      | 10        | 1180.13.140 50 |
| Pg 16 | 8.0           | 11.0          | 24      | 24      | 10        | 1180.16.110 50 |
| Pg 16 | 11.0          | 14.0          | 24      | 27      | 10        | 1180.16.140 50 |
| Pg 21 | 13.0          | 16.0          | 30      | 30      | 12        | 1180.21.160 25 |
| Pg 21 | 16.0          | 19.0          | 30      | 33      | 12        | 1180.21.190 25 |
| Pg 29 | 19.0          | 23.0          | 38      | 33      | 12        | 1180.29.230 25 |
| Pg 29 | 23.0          | 25.5          | 38      | 32      | 12        | 1180.29.255 25 |
| Pg 36 | 25.0          | 30.5          | 50      | 36      | 15        | 1180.36.305 10 |
| Pg 36 | 30.5          | 35.0          | 50      | 34      | 15        | 1180.36.350 10 |
| Pg 42 | 33.0          | 37.0          | 55      | 37      | 15        | 1180.42.370 10 |
| Pg 42 | 37.0          | 41.0          | 55      | 36      | 15        | 1180.42.410 10 |
| Pg 48 | 39.0          | 43.0          | 65      | 42      | 15        | 1180.48.430 10 |
| Pg 48 | 43.0          | 46.5          | 65      | 40      | 15        | 1180.48.465 10 |

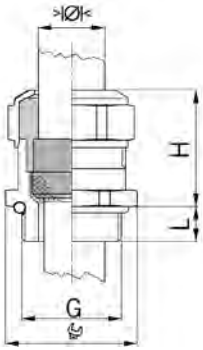




## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH CONTACT SLEEVE FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD METRIC



|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                                                |
| SEAL:                     | FPM                                                                                                                |
| O-RING:                   | FPM                                                                                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                                                    |
| TEMPERATURE RANGE:        | -40°C / +200°C                                                                                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                               |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----------------|----|
| M10x1.5 | 3.0           | 4.0           | 13      | 16      | 5       | 1         | 1080.10.91.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 16      | 5       | 1         | 1080.10.91.060 | 50 |
| M12x1.5 | 4.5           | 6.0           | 15      | 20      | 5       | -         | 1080.12.91.060 | 50 |
| M12x1.5 | 6.0           | 7.5           | 15      | 20      | 5       | -         | 1080.12.91.075 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18      | 23      | 5       | -         | 1080.17.91.080 | 50 |
| M16x1.5 | 8.0           | 10.0          | 18      | 25      | 5       | -         | 1080.17.91.100 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24      | 25      | 6       | -         | 1080.20.91.110 | 50 |
| M20x1.5 | 11.0          | 14.0          | 24      | 27      | 6       | -         | 1080.20.91.140 | 50 |
| M25x1.5 | 13.0          | 16.0          | 30      | 30      | 7       | -         | 1080.25.91.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 30      | 33      | 7       | -         | 1080.25.91.190 | 25 |
| M32x1.5 | 18.0          | 21.0          | 36      | 32      | 8       | -         | 1080.32.91.210 | 25 |
| M32x1.5 | 21.0          | 25.0          | 36      | 32      | 8       | -         | 1080.32.91.250 | 25 |

1 = METRIC COARSE-PITCH THREAD

LONG ENTRY THREAD METRIC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.      |    |
|---------|---------------|---------------|---------|---------|---------|-----------|----------------|----|
| M10x1.5 | 3.0           | 4.0           | 13      | 16      | 10      | 1         | 1180.10.91.040 | 50 |
| M10x1.5 | 4.0           | 6.0           | 13      | 16      | 10      | 1         | 1180.10.91.060 | 50 |
| M12x1.5 | 4.5           | 6.0           | 15      | 20      | 10      | -         | 1180.12.91.060 | 50 |
| M12x1.5 | 6.0           | 7.5           | 15      | 20      | 10      | -         | 1180.12.91.075 | 50 |
| M16x1.5 | 6.0           | 8.0           | 18      | 23      | 10      | -         | 1180.17.91.080 | 50 |
| M16x1.5 | 8.0           | 10.0          | 18      | 25      | 10      | -         | 1180.17.91.100 | 50 |
| M20x1.5 | 8.0           | 11.0          | 24      | 25      | 10      | -         | 1180.20.91.110 | 50 |
| M20x1.5 | 11.0          | 14.0          | 24      | 27      | 10      | -         | 1180.20.91.140 | 50 |
| M25x1.5 | 13.0          | 16.0          | 30      | 30      | 11      | -         | 1180.25.91.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 30      | 33      | 11      | -         | 1180.25.91.190 | 25 |
| M32x1.5 | 18.0          | 21.0          | 36      | 32      | 13      | -         | 1180.32.91.210 | 25 |
| M32x1.5 | 21.0          | 25.0          | 36      | 32      | 13      | -         | 1180.32.91.250 | 25 |

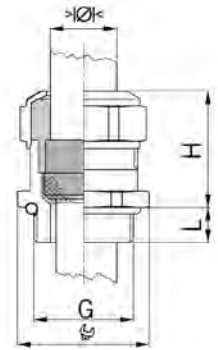
1 = METRIC COARSE-PITCH THREAD

## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH CONTACT SLEEVE FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD PG

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| CONTACT SLEEVE:           | NICKEL-PLATED BRASS                                                                                                |
| SEAL:                     | FPM                                                                                                                |
| O-RING:                   | FPM                                                                                                                |
| TEMPERATURE RANGE:        | -40°C / +200°C                                                                                                     |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                               |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.             |  |
|--------------|---------------|---------------|--------------------------------------------------------------------------------------|---------|---------|-----------------------|-------------------------------------------------------------------------------------|
| <b>Pg 9</b>  | 6.0           | 8.0           | 18                                                                                   | 23      | 6       | <b>1080.09.91.080</b> | 50                                                                                  |
| <b>Pg 9</b>  | 8.0           | 10.0          | 18                                                                                   | 25      | 6       | <b>1080.09.91.100</b> | 50                                                                                  |
| <b>Pg 11</b> | 5.5           | 8.5           | 21                                                                                   | 23      | 6       | <b>1080.11.91.085</b> | 50                                                                                  |
| <b>Pg 11</b> | 8.5           | 12.0          | 21                                                                                   | 23      | 6       | <b>1080.11.91.120</b> | 50                                                                                  |
| <b>Pg 13</b> | 8.0           | 11.0          | 24                                                                                   | 25      | 6       | <b>1080.13.91.110</b> | 50                                                                                  |
| <b>Pg 13</b> | 11.0          | 14.0          | 24                                                                                   | 27      | 6       | <b>1080.13.91.140</b> | 50                                                                                  |
| <b>Pg 16</b> | 8.0           | 11.0          | 24                                                                                   | 24      | 6       | <b>1080.16.91.110</b> | 50                                                                                  |
| <b>Pg 16</b> | 11.0          | 14.0          | 24                                                                                   | 27      | 6       | <b>1080.16.91.140</b> | 50                                                                                  |
| <b>Pg 21</b> | 13.0          | 16.0          | 30                                                                                   | 30      | 7.5     | <b>1080.21.91.160</b> | 25                                                                                  |
| <b>Pg 21</b> | 16.0          | 19.0          | 30                                                                                   | 33      | 7.5     | <b>1080.21.91.190</b> | 25                                                                                  |
| <b>Pg 29</b> | 19.0          | 23.0          | 38                                                                                   | 33      | 8       | <b>1080.29.91.230</b> | 25                                                                                  |
| <b>Pg 29</b> | 23.0          | 25.5          | 38                                                                                   | 32      | 8       | <b>1080.29.91.255</b> | 25                                                                                  |



LONG ENTRY THREAD PG

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.             |  |
|--------------|---------------|---------------|----------------------------------------------------------------------------------------|---------|---------|-----------------------|---------------------------------------------------------------------------------------|
| <b>Pg 9</b>  | 6.0           | 8.0           | 18                                                                                     | 23      | 10      | <b>1180.09.91.080</b> | 50                                                                                    |
| <b>Pg 9</b>  | 8.0           | 10.0          | 18                                                                                     | 25      | 10      | <b>1180.09.91.100</b> | 50                                                                                    |
| <b>Pg 11</b> | 5.5           | 8.5           | 21                                                                                     | 23      | 10      | <b>1180.11.91.085</b> | 50                                                                                    |
| <b>Pg 11</b> | 8.5           | 12.0          | 21                                                                                     | 23      | 10      | <b>1180.11.91.120</b> | 50                                                                                    |
| <b>Pg 13</b> | 8.0           | 11.0          | 24                                                                                     | 25      | 10      | <b>1180.13.91.110</b> | 50                                                                                    |
| <b>Pg 13</b> | 8.5           | 12.0          | 24                                                                                     | 27      | 10      | <b>1180.13.91.140</b> | 50                                                                                    |
| <b>Pg 16</b> | 8.0           | 11.0          | 24                                                                                     | 24      | 10      | <b>1180.16.91.110</b> | 50                                                                                    |
| <b>Pg 16</b> | 11.0          | 14.0          | 24                                                                                     | 27      | 10      | <b>1180.16.91.140</b> | 50                                                                                    |
| <b>Pg 21</b> | 13.0          | 16.0          | 30                                                                                     | 30      | 12      | <b>1180.21.91.160</b> | 25                                                                                    |
| <b>Pg 21</b> | 16.0          | 19.0          | 30                                                                                     | 33      | 12      | <b>1180.21.91.190</b> | 25                                                                                    |
| <b>Pg 29</b> | 19.0          | 23.0          | 38                                                                                     | 33      | 12      | <b>1180.29.91.230</b> | 25                                                                                    |
| <b>Pg 29</b> | 23.0          | 25.5          | 38                                                                                     | 32      | 12      | <b>1180.29.91.255</b> | 25                                                                                    |

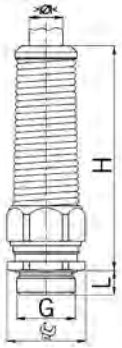




## CABLE GLANDS EMC NICKEL-PLATED BRASS

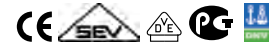
### WITH ANTIKINK SPRING

SHORT ENTRY THREAD METRIC



|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                                |
| ANTI-KINK SPRING:         | STAINLESS STEEL A2                                                                                                 |
| SEAL:                     | TPE                                                                                                                |
| O-RING:                   | NBR                                                                                                                |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                                                    |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                     |
| PROTECTION CLASS:         | IP 68                                                                                                              |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                             |
| PROPERTIES:               | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |

#### PROGRESS MS EMC FKN



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G       | $\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$ | $\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | $\begin{matrix} H \\ \text{mm} \end{matrix}$ | $\begin{matrix} L \\ \text{mm} \end{matrix}$ | $\begin{matrix} i \\ \text{info} \end{matrix}$ | PART. NO.      |    |
|---------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------------|----------------|----|
| M8x1.25 | 2.5                                                          | 3.5                                                          | 11                                                     | 50                                           | 5                                            | 1                                              | 1080.08.52.035 | 10 |
| M8x1.25 | 3.0                                                          | 4.0                                                          | 11                                                     | 50                                           | 5                                            | 1                                              | 1080.08.52.040 | 10 |
| M10x1.5 | 3.0                                                          | 4.0                                                          | 13                                                     | 54                                           | 5                                            | 1                                              | 1080.10.52.040 | 10 |
| M10x1.5 | 4.0                                                          | 6.0                                                          | 13                                                     | 54                                           | 5                                            | 1                                              | 1080.10.52.060 | 10 |
| M12x1.5 | 4.5                                                          | 6.0                                                          | 15                                                     | 60                                           | 5                                            | -                                              | 1080.12.52.060 | 10 |
| M12x1.5 | 6.0                                                          | 7.5                                                          | 15                                                     | 60                                           | 5                                            | -                                              | 1080.12.52.075 | 10 |
| M16x1.5 | 6.0                                                          | 8.0                                                          | 18                                                     | 69                                           | 5                                            | -                                              | 1080.17.52.080 | 10 |
| M16x1.5 | 8.0                                                          | 10.0                                                         | 18                                                     | 69                                           | 5                                            | -                                              | 1080.17.52.100 | 10 |
| M20x1.5 | 8.0                                                          | 11.0                                                         | 24                                                     | 88                                           | 6                                            | -                                              | 1080.20.52.110 | 10 |
| M20x1.5 | 11.0                                                         | 14.0                                                         | 24                                                     | 88                                           | 6                                            | -                                              | 1080.20.52.140 | 10 |
| M25x1.5 | 13.0                                                         | 16.0                                                         | 30                                                     | 104                                          | 7                                            | -                                              | 1080.25.52.160 | 10 |
| M25x1.5 | 16.0                                                         | 19.0                                                         | 30                                                     | 104                                          | 7                                            | -                                              | 1080.25.52.190 | 10 |
| M32x1.5 | 18.0                                                         | 21.0                                                         | 36                                                     | 112                                          | 8                                            | -                                              | 1080.32.52.210 | 5  |
| M32x1.5 | 21.0                                                         | 24.5                                                         | 36                                                     | 112                                          | 8                                            | -                                              | 1080.32.52.245 | 5  |

1 = METRIC COARSE-PITCH THREAD

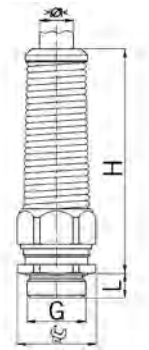
LONG ENTRY THREAD AVAILABLE ON REQUEST

## CABLE GLANDS EMC NICKEL-PLATED BRASS

### WITH ANTIKINK SPRING

SHORT ENTRY THREAD PG

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| MATERIAL:          | NICKEL-PLATED BRASS                                                                                                |
| ANTI-KINK SPRING:  | STAINLESS STEEL A2                                                                                                 |
| SEAL:              | TPE                                                                                                                |
| O-RING:            | NBR                                                                                                                |
| TEMPERATURE RANGE: | -40°C / +100°C                                                                                                     |
| PROTECTION CLASS:  | IP 68                                                                                                              |
| PROPERTIES:        | EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND |



#### PROGRESS MS EMC FKN

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G     | $\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$ | $\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$ | H<br>mm | L<br>mm | PART. NO.      |    |
|-------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|---------|---------|----------------|----|
| Pg 7  | 4.5                                                            | 6.0                                                            | 15                                                     | 60      | 6       | 1080.07.52.060 | 10 |
| Pg 7  | 6.0                                                            | 7.5                                                            | 15                                                     | 60      | 6       | 1080.07.52.075 | 10 |
| Pg 9  | 6.0                                                            | 8.0                                                            | 18                                                     | 69      | 6       | 1080.09.52.080 | 10 |
| Pg 9  | 8.0                                                            | 10.0                                                           | 18                                                     | 69      | 6       | 1080.09.52.100 | 10 |
| Pg 11 | 6.0                                                            | 8.0                                                            | 18/21                                                  | 69      | 6       | 1080.11.52.080 | 10 |
| Pg 11 | 8.0                                                            | 10.0                                                           | 18/21                                                  | 69      | 6       | 1080.11.52.100 | 10 |
| Pg 13 | 8.0                                                            | 11.0                                                           | 24                                                     | 88      | 6       | 1080.13.52.110 | 10 |
| Pg 13 | 11.0                                                           | 14.0                                                           | 24                                                     | 88      | 6       | 1080.13.52.140 | 10 |
| Pg 16 | 8.0                                                            | 11.0                                                           | 24                                                     | 88      | 6       | 1080.16.52.110 | 10 |
| Pg 16 | 11.0                                                           | 14.0                                                           | 24                                                     | 88      | 6       | 1080.16.52.140 | 10 |
| Pg 21 | 13.0                                                           | 16.0                                                           | 30                                                     | 104     | 7       | 1080.21.52.160 | 5  |
| Pg 21 | 16.0                                                           | 19.0                                                           | 30                                                     | 104     | 7       | 1080.21.52.190 | 5  |

LONG ENTRY THREAD AVAILABLE ON REQUEST

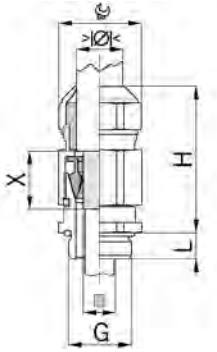




## CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

### WITH COLLET CHUCK

ENTRY THREAD METRIC



|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                            |
| SEAL:                     | TPE                                                                                                            |
| O-RING:                   | NBR                                                                                                            |
| STRAIN RELIEF:            | ACCORDING TO EN 50262 VERSION A                                                                                |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                 |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                           |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                         |
| PROPERTIES:               | FOR HIGH LEAKAGE CURRENTS, CONCENTRIC SHIELD CONTACT WITH MINIMAL TRANSFER RESISTANCES AND TRANSFER IMPEDANCES |

#### PROGRESS MS EMC SERIES 85

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

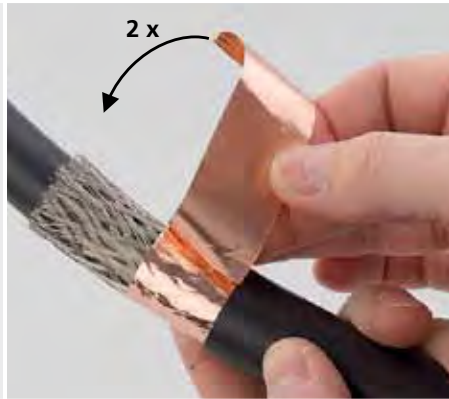


| G       | >Ø<<br>min mm | >Ø<<br>max mm | >■<<br>mm | R<br>mm | H<br>mm | L<br>mm | X<br>mm | PART. NO.      |    |
|---------|---------------|---------------|-----------|---------|---------|---------|---------|----------------|----|
| M16x1.5 | 4.5           | 6.0           | 3.0-4.5   | 18      | 40      | 6       | 14      | 1000.17.85.045 | 25 |
| M16x1.5 | 6.0           | 10.5          | 4.5-8.0   | 18      | 42      | 8       | 16      | 1000.17.85.080 | 25 |
| M16x1.5 | 8.0           | 15.0          | 7.5-10.0  | 24      | 47      | 8       | 20      | 1000.17.85.100 | 25 |
| M20x1.5 | 8.0           | 15.0          | 7.5-12.0  | 24      | 47      | 8       | 20      | 1000.20.85.120 | 25 |
| M20x1.5 | 12.5          | 20.5          | 10.0-14.0 | 30      | 59      | 8       | 21      | 1000.20.85.140 | 20 |
| M25x1.5 | 12.5          | 20.5          | 10.0-16.0 | 30      | 59      | 8       | 21      | 1000.25.85.160 | 20 |
| M25x1.5 | 17.0          | 25.5          | 14.0-19.0 | 36      | 66      | 8       | 24      | 1000.25.85.190 | 25 |
| M32x1.5 | 17.0          | 25.5          | 14.0-22.0 | 36      | 66      | 10      | 24      | 1000.32.85.220 | 25 |
| M32x1.5 | 24.0          | 33.0          | 21.0-25.0 | 46      | 68      | 10      | 24      | 1000.32.85.250 | 5  |
| M40x1.5 | 24.0          | 33.0          | 21.0-30.0 | 46      | 68      | 12      | 24      | 1000.40.85.300 | 5  |
| M50x1.5 | 33.0          | 42.0          | 29.0-38.0 | 55      | 77      | 13      | 25      | 1000.50.85.380 | 5  |
| M63x1.5 | 33.0          | 42.0          | 29.0-38.0 | 70/55   | 77      | 15      | 25      | 1000.63.85.380 | 5  |
| M63x1.5 | 40.0          | 52.0          | 35.0-44.0 | 70      | 78      | 15      | 26      | 1000.63.85.440 | 1  |

#### IMPORTANT!

TO PROVIDE THE BEST POSSIBLE PROTECTION FOR THE CABLE SHIELD AND THE CABLE, IT IS NECESSARY TO INSTALL A COPPER EMC TAPE.

**THE COPPER TAPE MUST BE FIXED ACCORDING TO THE ILLUSTRATION!**  
(EXAMPLE: TAPE SCOTCH 3M TYP 1181)



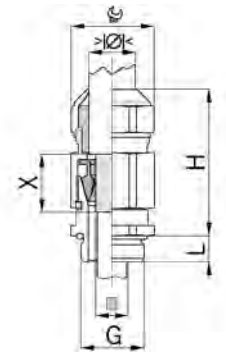


## CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

### WITH COLLET CHUCK

ENTRY THREAD PG

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| MATERIAL:                 | NICKEL-PLATED BRASS                                                                                            |
| SEAL:                     | TPE                                                                                                            |
| O-RING:                   | NBR                                                                                                            |
| TEMPERATURE RANGE:        | -40°C / +100°C                                                                                                 |
| PROTECTION CLASS:         | IP 68 (UP TO 10 BAR)                                                                                           |
| PROTECTION TYPE ADDITION: | IP 69K                                                                                                         |
| PROPERTIES:               | FOR HIGH LEAKAGE CURRENTS, CONCENTRIC SHIELD CONTACT WITH MINIMAL TRANSFER RESISTANCES AND TRANSFER IMPEDANCES |



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

| G            | >Ø<<br>min mm | >Ø<<br>max mm | >■<<br>mm | <br>mm | H<br>mm | L<br>mm | X<br>mm | PART. NO.             |  |
|--------------|---------------|---------------|-----------|-----------------------------------------------------------------------------------------|---------|---------|---------|-----------------------|-------------------------------------------------------------------------------------|
| <b>Pg 11</b> | 6.0           | 10.5          | 4.5-8.0   | 21/18                                                                                   | 42      | 8       | 16      | <b>1000.11.85.080</b> | 25                                                                                  |
| <b>Pg 11</b> | 8.0           | 15.0          | 7.5-12.0  | 24                                                                                      | 47      | 8       | 20      | <b>1000.11.85.120</b> | 25                                                                                  |
| <b>Pg 16</b> | 8.0           | 15.0          | 7.5-12.0  | 24                                                                                      | 47      | 8       | 20      | <b>1000.16.85.120</b> | 25                                                                                  |
| <b>Pg 16</b> | 12.5          | 20.5          | 10.0-15.0 | 30                                                                                      | 59      | 8       | 21      | <b>1000.16.85.150</b> | 25                                                                                  |
| <b>Pg 21</b> | 12.5          | 20.5          | 10.0-16.0 | 30                                                                                      | 59      | 8       | 21      | <b>1000.21.85.160</b> | 20                                                                                  |
| <b>Pg 21</b> | 17.0          | 25.5          | 14.0-19.0 | 36                                                                                      | 66      | 8       | 24      | <b>1000.21.85.190</b> | 25                                                                                  |
| <b>Pg 29</b> | 17.0          | 25.5          | 14.0-22.0 | 38/36                                                                                   | 66      | 10      | 24      | <b>1000.29.85.220</b> | 20                                                                                  |
| <b>Pg 29</b> | 24.0          | 33.0          | 21.0-25.0 | 46                                                                                      | 68      | 10      | 24      | <b>1000.29.85.250</b> | 5                                                                                   |

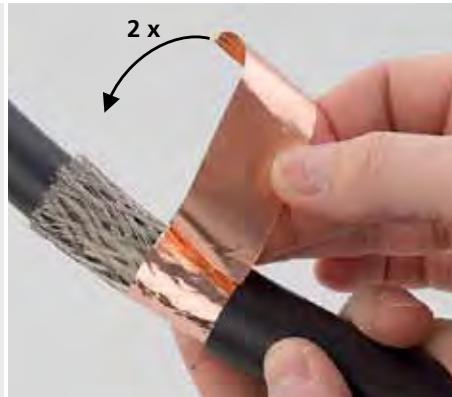


#### IMPORTANT!

TO PROVIDE THE BEST POSSIBLE PROTECTION FOR THE CABLE SHIELD AND THE CABLE, IT IS NECESSARY TO INSTALL A COPPER EMC TAPE.

FURTHER DIMENSIONS UPON REQUEST

**THE COPPER TAPE MUST BE FIXED ACCORDING TO THE ILLUSTRATION!**  
(EXAMPLE: TAPE SCOTCH 3M TYP 1181)

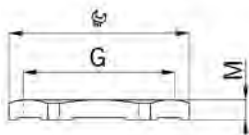




## EMC CABLE GLANDS ACCESSORIES

### ENTRY THREAD METRIC

#### EMC LOCK NUTS NICKEL-PLATED BRASS WITH CUTTER TEETH



MATERIAL: NICKEL-PLATED BRASS  
 EXECUTION: EMC LOCK NUT BRASS WITH CUTTING TEETH FOR OPTIMISED SHIELD CONTACT  
 TEMPERATURE RANGE: -60°C / +200°C



| G       |  mm | M mm | i info | PART. NO. |  |
|---------|--------------------------------------------------------------------------------------|------|--------|-----------|-------------------------------------------------------------------------------------|
| M8x1.25 | 11                                                                                   | 3.3  | 1      | 8008.85   | 25                                                                                  |
| M10x1.5 | 13                                                                                   | 3.3  | 1      | 8010.85   | 25                                                                                  |
| M12x1.5 | 15                                                                                   | 3.5  | -      | 8012.85   | 25                                                                                  |
| M16x1.5 | 19                                                                                   | 3.5  | -      | 8017.85   | 25                                                                                  |
| M20x1.5 | 24                                                                                   | 4.0  | -      | 8020.85   | 25                                                                                  |
| M25x1.5 | 30                                                                                   | 4.0  | -      | 8025.85   | 10                                                                                  |
| M32x1.5 | 36                                                                                   | 5.0  | -      | 8032.85   | 10                                                                                  |
| M40x1.5 | 46                                                                                   | 5.3  | -      | 8040.85   | 10                                                                                  |
| M50x1.5 | 55                                                                                   | 6.3  | -      | 8050.85   | 10                                                                                  |
| M63x1.5 | 70                                                                                   | 7.0  | -      | 8063.85   | 10                                                                                  |

1 = METRIC COARSE-PITCH THREAD

### ENTRY THREAD PG



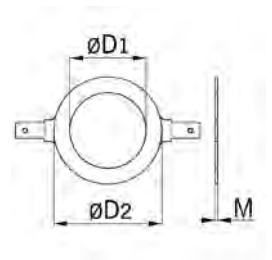
| G     |  mm | M mm | PART. NO. |  |
|-------|----------------------------------------------------------------------------------------|------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 15                                                                                     | 3.3  | 8007.85   | 25                                                                                    |
| Pg 9  | 18                                                                                     | 3.3  | 8009.85   | 25                                                                                    |
| Pg 11 | 21                                                                                     | 3.5  | 8011.85   | 25                                                                                    |
| Pg 13 | 24                                                                                     | 3.5  | 8013.85   | 25                                                                                    |
| Pg 16 | 26                                                                                     | 3.5  | 8016.85   | 25                                                                                    |
| Pg 21 | 32                                                                                     | 4.0  | 8021.85   | 10                                                                                    |
| Pg 29 | 41                                                                                     | 4.6  | 8029.85   | 10                                                                                    |
| Pg 36 | 50                                                                                     | 5.8  | 8036.85   | 10                                                                                    |
| Pg 42 | 60                                                                                     | 5.8  | 8042.85   | 10                                                                                    |
| Pg 48 | 64                                                                                     | 6.5  | 8048.85   | 10                                                                                    |

## EMC CABLE GLANDS ACCESSORIES

SUITABLE FOR CABLE GLANDS PROGRESS®

### GROUNDING STRAPS SUITABLE FOR CABLE GLANDS

MATERIAL: BRASS RAW  
 TEMPERATURE RANGE: -60°C / +200°C  
 APPLICATION: SOLDERABLE OR PLUGGABLE 6,3 X 1,0 MM



#### GROUNDING STRAPS SUITABLE FOR CABLE GLANDS / ENTRY THREAD METRIC

| G          | ØD1<br>mm | ØD2<br>mm | M<br>mm | PART. NO.  |  |
|------------|-----------|-----------|---------|------------|-------------------------------------------------------------------------------------|
| M12 / Pg 7 | 13.0      | 24        | 1       | 1007.80.10 | 100                                                                                 |
| M16        | 16.5      | 24        | 1       | 1017.80.10 | 100                                                                                 |
| M20        | 20.5      | 28        | 1       | 1020.80.10 | 100                                                                                 |
| M25        | 25.5      | 32        | 1       | 1025.80.10 | 100                                                                                 |
| M32        | 33.0      | 40        | 1       | 1032.80.10 | 100                                                                                 |
| M40        | 40.5      | 52        | 1       | 1040.80.10 | 100                                                                                 |
| M50        | 50.5      | 62        | 1       | 1050.80.10 | 50                                                                                  |
| M63        | 63.5      | 78        | 1       | 1063.80.10 | 50                                                                                  |



#### GROUNDING STRAPS SUITABLE FOR CABLE GLANDS / ENTRY THREAD PG

| G          | ØD1<br>mm | ØD2<br>mm | M<br>mm | PART. NO.  |  |
|------------|-----------|-----------|---------|------------|--------------------------------------------------------------------------------------|
| M12 / Pg 7 | 13.0      | 24        | 1       | 1007.80.10 | 100                                                                                  |
| Pg 9       | 16.0      | 24        | 1       | 1009.80.10 | 100                                                                                  |
| Pg 11      | 19.0      | 28        | 1       | 1011.80.10 | 100                                                                                  |
| Pg 13      | 21.0      | 28        | 1       | 1013.80.10 | 100                                                                                  |
| Pg 16      | 23.0      | 32        | 1       | 1016.80.10 | 100                                                                                  |
| Pg 21      | 29.0      | 37        | 1       | 1021.80.10 | 100                                                                                  |
| Pg 29      | 38.0      | 52        | 1       | 1029.80.10 | 50                                                                                   |
| Pg 36      | 48.0      | 62        | 1       | 1036.80.10 | 50                                                                                   |

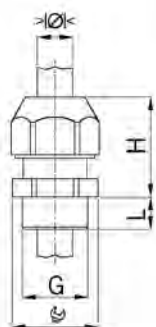




## SYNTEC®

### WITH LAMELLAR TECHNOLOGY

SHORT ENTRY THREAD METRIC



|                    |                      |
|--------------------|----------------------|
| MATERIAL:          | POLYAMIDE PA 6       |
| PROPERTIES:        | HALOGEN-FREE         |
| SEALING RING:      | TPE OR CR (NEOPRENE) |
| TESTED ACC. TO:    | EN 50262             |
| TEMPERATURE RANGE: | -30°C / +100°C       |
| PROTECTION CLASS:  | IP 68                |

#### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.  |     |
|---------|---------------|---------------|---------|---------|---------|------------|-----|
| M12x1.5 | 2.5           | 6.5           | 15      | 21      | 6       | 1555.12.06 | 100 |
| M16x1.5 | 2.0           | 6.0           | 19      | 25      | 8       | 1555.17.06 | 50  |
| M16x1.5 | 4.5           | 10.0          | 19      | 25      | 8       | 1555.17.10 | 50  |
| M20x1.5 | 3.5           | 8.0           | 24      | 29      | 9       | 1555.20.08 | 50  |
| M20x1.5 | 7.0           | 13.0          | 24      | 29      | 9       | 1555.20.13 | 50  |
| M25x1.5 | 5.0           | 11.0          | 29      | 38      | 10      | 1555.25.11 | 25  |
| M25x1.5 | 10.0          | 17.0          | 29      | 38      | 10      | 1555.25.17 | 25  |
| M32x1.5 | 17.0          | 25.0          | 42      | 36      | 10      | 1555.32.25 | 20  |

#### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING



| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.  |     |
|---------|---------------|---------------|---------|---------|---------|------------|-----|
| M12x1.5 | 2.5           | 6.5           | 15      | 21      | 6       | 1556.12.06 | 100 |
| M16x1.5 | 2.0           | 6.0           | 19      | 25      | 8       | 1556.17.06 | 50  |
| M16x1.5 | 4.5           | 10.0          | 19      | 25      | 8       | 1556.17.10 | 50  |
| M20x1.5 | 3.5           | 8.0           | 24      | 29      | 9       | 1556.20.08 | 50  |
| M20x1.5 | 7.0           | 13.0          | 24      | 29      | 9       | 1556.20.13 | 50  |
| M25x1.5 | 5.0           | 11.0          | 29      | 38      | 10      | 1556.25.11 | 25  |
| M25x1.5 | 10.0          | 17.0          | 29      | 38      | 10      | 1556.25.17 | 25  |
| M32x1.5 | 17.0          | 25.0          | 42      | 36      | 10      | 1556.32.25 | 20  |

#### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



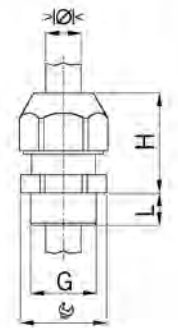
| G       | >Ø<<br>min mm | >Ø<<br>max mm | Ø<br>mm | H<br>mm | L<br>mm | PART. NO.  |     |
|---------|---------------|---------------|---------|---------|---------|------------|-----|
| M12x1.5 | 2.5           | 6.5           | 15      | 21      | 6       | 1545.12.06 | 100 |
| M16x1.5 | 2.0           | 6.0           | 19      | 25      | 8       | 1545.17.06 | 50  |
| M16x1.5 | 4.5           | 10.0          | 19      | 25      | 8       | 1545.17.10 | 50  |
| M20x1.5 | 3.5           | 8.0           | 24      | 29      | 9       | 1545.20.08 | 50  |
| M20x1.5 | 7.0           | 13.0          | 24      | 29      | 9       | 1545.20.13 | 50  |
| M25x1.5 | 5.0           | 11.0          | 29      | 38      | 10      | 1545.25.11 | 25  |
| M25x1.5 | 10.0          | 17.0          | 29      | 38      | 10      | 1545.25.17 | 25  |
| M32x1.5 | 17.0          | 25.0          | 42      | 36      | 10      | 1545.32.25 | 20  |

# SYNTHETIC CABLE GLANDS SYNTEC®

## WITH LAMELLAR TECHNOLOGY

LONG ENTRY THREAD METRIC

|                    |                      |
|--------------------|----------------------|
| MATERIAL:          | POLYAMIDE PA 6       |
| PROPERTIES:        | HALOGEN-FREE         |
| SEALING RING:      | TPE OR CR (NEOPRENE) |
| TESTED ACC. TO:    | EN 50262             |
| TEMPERATURE RANGE: | -30°C / +100°C       |
| PROTECTION CLASS:  | IP 68                |



### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.    |  |
|---------|---------------|---------------|-----------------------------------------------------------------------------------------|---------|---------|--------------|-------------------------------------------------------------------------------------|
| M12x1.5 | 2.5           | 6.5           | 15                                                                                      | 21      | 12      | 1555.12.1.06 | 100                                                                                 |
| M16x1.5 | 2.0           | 6.0           | 19                                                                                      | 25      | 15      | 1555.17.1.06 | 50                                                                                  |
| M16x1.5 | 4.5           | 10.0          | 19                                                                                      | 25      | 15      | 1555.17.1.10 | 50                                                                                  |
| M20x1.5 | 3.5           | 8.0           | 24                                                                                      | 29      | 15      | 1555.20.1.08 | 50                                                                                  |
| M20x1.5 | 7.0           | 13.0          | 24                                                                                      | 29      | 15      | 1555.20.1.13 | 50                                                                                  |
| M25x1.5 | 5.0           | 11.0          | 29                                                                                      | 38      | 15      | 1555.25.1.11 | 25                                                                                  |
| M25x1.5 | 10.0          | 17.0          | 29                                                                                      | 38      | 15      | 1555.25.1.17 | 25                                                                                  |
| M32x1.5 | 17.0          | 25.0          | 42                                                                                      | 36      | 15      | 1555.32.1.25 | 20                                                                                  |
| M40x1.5 | 22.0          | 33.0          | 53                                                                                      | 48      | 15      | 1555.40.1.33 | 10                                                                                  |
| M50x1.5 | 28.0          | 38.0          | 60                                                                                      | 48      | 15      | 1555.50.1.38 | 5                                                                                   |
| M63x1.5 | 32.0          | 44.0          | 65                                                                                      | 49      | 16      | 1555.63.1.44 | 5                                                                                   |



### SYNTEC

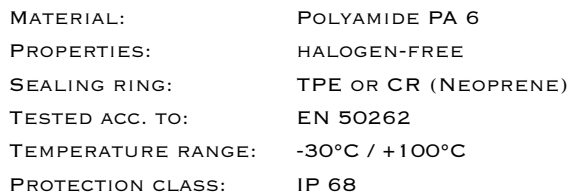
DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G       | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.    |  |
|---------|---------------|---------------|-------------------------------------------------------------------------------------------|---------|---------|--------------|---------------------------------------------------------------------------------------|
| M12x1.5 | 2.5           | 6.5           | 15                                                                                        | 21      | 12      | 1556.12.1.06 | 100                                                                                   |
| M16x1.5 | 2.0           | 6.0           | 19                                                                                        | 25      | 15      | 1556.17.1.06 | 50                                                                                    |
| M16x1.5 | 4.5           | 10.0          | 19                                                                                        | 25      | 15      | 1556.17.1.10 | 50                                                                                    |
| M20x1.5 | 3.5           | 8.0           | 24                                                                                        | 29      | 15      | 1556.20.1.08 | 50                                                                                    |
| M20x1.5 | 7.0           | 13.0          | 24                                                                                        | 29      | 15      | 1556.20.1.13 | 50                                                                                    |
| M25x1.5 | 5.0           | 11.0          | 29                                                                                        | 38      | 15      | 1556.25.1.11 | 25                                                                                    |
| M25x1.5 | 10.0          | 17.0          | 29                                                                                        | 38      | 15      | 1556.25.1.17 | 25                                                                                    |
| M32x1.5 | 17.0          | 25.0          | 42                                                                                        | 36      | 15      | 1556.32.1.25 | 20                                                                                    |
| M40x1.5 | 22.0          | 33.0          | 53                                                                                        | 48      | 15      | 1556.40.1.33 | 10                                                                                    |
| M50x1.5 | 28.0          | 38.0          | 60                                                                                        | 48      | 15      | 1556.50.1.38 | 5                                                                                     |
| M63x1.5 | 32.0          | 44.0          | 65                                                                                        | 49      | 16      | 1556.63.1.44 | 5                                                                                     |





## LONG ENTRY THREAD METRIC



BLACK RAL 9005 / ONE-PIECE SEALING RING



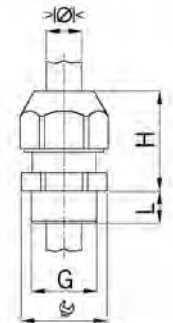
| G       |  min mm |  max mm |  mm | H mm | L mm | PART. NO.    |  |
|---------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------|------|--------------|-------------------------------------------------------------------------------------|
| M12x1.5 | 2.5                                                                                      | 6.5                                                                                      | 15                                                                                   | 21   | 12   | 1545.12.1.06 | 100                                                                                 |
| M16x1.5 | 2.0                                                                                      | 6.0                                                                                      | 19                                                                                   | 25   | 15   | 1545.17.1.06 | 50                                                                                  |
| M16x1.5 | 4.5                                                                                      | 10.0                                                                                     | 19                                                                                   | 25   | 15   | 1545.17.1.10 | 50                                                                                  |
| M20x1.5 | 3.5                                                                                      | 8.0                                                                                      | 24                                                                                   | 29   | 15   | 1545.20.1.08 | 50                                                                                  |
| M20x1.5 | 7.0                                                                                      | 13.0                                                                                     | 24                                                                                   | 29   | 15   | 1545.20.1.13 | 50                                                                                  |
| M25x1.5 | 5.0                                                                                      | 11.0                                                                                     | 29                                                                                   | 38   | 15   | 1545.25.1.11 | 25                                                                                  |
| M25x1.5 | 10.0                                                                                     | 17.0                                                                                     | 29                                                                                   | 38   | 15   | 1545.25.1.17 | 25                                                                                  |
| M32x1.5 | 17.0                                                                                     | 25.0                                                                                     | 42                                                                                   | 36   | 15   | 1545.32.1.25 | 20                                                                                  |
| M40x1.5 | 22.0                                                                                     | 33.0                                                                                     | 53                                                                                   | 48   | 15   | 1545.40.1.33 | 10                                                                                  |
| M50x1.5 | 28.0                                                                                     | 38.0                                                                                     | 60                                                                                   | 48   | 15   | 1545.50.1.38 | 5                                                                                   |
| M63x1.5 | 32.0                                                                                     | 44.0                                                                                     | 65                                                                                   | 49   | 16   | 1545.63.1.44 | 5                                                                                   |

# SYNTHETIC CABLE GLANDS SYNTEC®

## WITH LAMELLAR TECHNOLOGY

ENTRY THREAD PG

MATERIAL: POLYAMIDE PA 6  
 PROPERTIES: HALOGEN-FREE  
 SEALING RING: CR (NEOPRENE)  
 TEMPERATURE RANGE: -30°C / +100°C  
 PROTECTION CLASS: IP 68



### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|--------------------------------------------------------------------------------------|---------|---------|------------|-------------------------------------------------------------------------------------|
| Pg 7  | 2.5           | 6.5           | 15                                                                                   | 21      | 8       | 1555.07.06 | 100                                                                                 |
| Pg 9  | 3.0           | 8.0           | 19                                                                                   | 23      | 8       | 1555.09.08 | 50                                                                                  |
| Pg 11 | 2.0           | 7.0           | 22                                                                                   | 25      | 8       | 1555.11.07 | 50                                                                                  |
| Pg 11 | 4.0           | 10.0          | 22                                                                                   | 25      | 8       | 1555.11.10 | 50                                                                                  |
| Pg 13 | 3.0           | 7.0           | 24                                                                                   | 26      | 9       | 1555.13.07 | 50                                                                                  |
| Pg 13 | 5.5           | 12.0          | 24                                                                                   | 26      | 9       | 1555.13.12 | 50                                                                                  |
| Pg 16 | 5.0           | 11.0          | 27                                                                                   | 30      | 10      | 1555.16.11 | 50                                                                                  |
| Pg 16 | 8.5           | 14.0          | 27                                                                                   | 30      | 10      | 1555.16.14 | 50                                                                                  |
| Pg 21 | 6.5           | 14.0          | 33                                                                                   | 35      | 11      | 1555.21.14 | 25                                                                                  |
| Pg 21 | 11.0          | 18.0          | 33                                                                                   | 35      | 11      | 1555.21.18 | 25                                                                                  |
| Pg 29 | 17.0          | 25.0          | 42                                                                                   | 36      | 11      | 1555.29.25 | 20                                                                                  |
| Pg 36 | 22.0          | 33.0          | 53                                                                                   | 48      | 15      | 1555.36.33 | 10                                                                                  |
| Pg 42 | 28.0          | 38.0          | 60                                                                                   | 48      | 15      | 1555.42.38 | 5                                                                                   |
| Pg 48 | 32.0          | 44.0          | 65                                                                                   | 48      | 15      | 1555.48.44 | 5                                                                                   |



### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G     | >Ø<<br>min mm | >Ø<<br>max mm |  mm | H<br>mm | L<br>mm | PART. NO.  |  |
|-------|---------------|---------------|----------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 7  | 2.5           | 6.5           | 15                                                                                     | 21      | 8       | 1556.07.06 | 100                                                                                   |
| Pg 9  | 3.0           | 8.0           | 19                                                                                     | 23      | 8       | 1556.09.08 | 50                                                                                    |
| Pg 11 | 2.0           | 7.0           | 22                                                                                     | 25      | 8       | 1556.11.07 | 50                                                                                    |
| Pg 11 | 4.0           | 10.0          | 22                                                                                     | 25      | 8       | 1556.11.10 | 50                                                                                    |
| Pg 13 | 3.0           | 7.0           | 24                                                                                     | 26      | 9       | 1556.13.07 | 50                                                                                    |
| Pg 13 | 5.5           | 12.0          | 24                                                                                     | 26      | 9       | 1556.13.12 | 50                                                                                    |
| Pg 16 | 5.0           | 11.0          | 27                                                                                     | 30      | 10      | 1556.16.11 | 50                                                                                    |
| Pg 16 | 8.5           | 14.0          | 27                                                                                     | 30      | 10      | 1556.16.14 | 50                                                                                    |
| Pg 21 | 6.5           | 14.0          | 33                                                                                     | 35      | 11      | 1556.21.14 | 25                                                                                    |
| Pg 21 | 11.0          | 18.0          | 33                                                                                     | 35      | 11      | 1556.21.18 | 25                                                                                    |
| Pg 29 | 17.0          | 25.0          | 42                                                                                     | 36      | 11      | 1556.29.25 | 20                                                                                    |
| Pg 36 | 22.0          | 33.0          | 53                                                                                     | 48      | 15      | 1556.36.33 | 10                                                                                    |
| Pg 42 | 28.0          | 38.0          | 60                                                                                     | 48      | 15      | 1556.42.38 | 5                                                                                     |
| Pg 48 | 32.0          | 44.0          | 65                                                                                     | 48      | 15      | 1556.48.44 | 5                                                                                     |



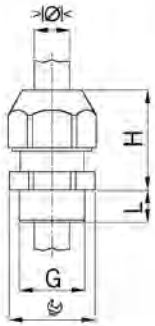




## SYNTHETIC CABLE GLANDS SYNTEC®

### WITH LAMELLAR TECHNOLOGY

ENTRY THREAD PG



MATERIAL: POLYAMIDE PA 6  
PROPERTIES: HALOGEN-FREE  
SEALING RING: CR (NEOPRENE)  
TEMPERATURE RANGE: -30°C / +100°C  
PROTECTION CLASS: IP 68

#### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



**G**       $\begin{matrix} >\text{Ø}< \\ \text{min mm} \end{matrix}$      $\begin{matrix} >\text{Ø}< \\ \text{max mm} \end{matrix}$         **H**    **L**  
mm      mm      mm      mm      mm

PART. NO.



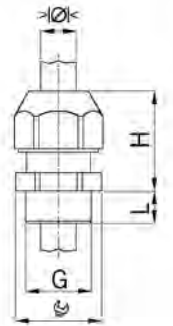
|              |      |      |    |    |    |                   |     |
|--------------|------|------|----|----|----|-------------------|-----|
| <b>Pg 7</b>  | 2.5  | 6.5  | 15 | 21 | 8  | <b>1545.07.06</b> | 100 |
| <b>Pg 9</b>  | 3.0  | 8.0  | 19 | 23 | 8  | <b>1545.09.08</b> | 50  |
| <b>Pg 11</b> | 2.0  | 7.0  | 22 | 25 | 8  | <b>1545.11.07</b> | 50  |
| <b>Pg 11</b> | 4.0  | 10.0 | 22 | 25 | 8  | <b>1545.11.10</b> | 50  |
| <b>Pg 13</b> | 3.0  | 7.0  | 24 | 26 | 9  | <b>1545.13.07</b> | 50  |
| <b>Pg 13</b> | 5.5  | 12.0 | 24 | 26 | 9  | <b>1545.13.12</b> | 50  |
| <b>Pg 16</b> | 5.0  | 11.0 | 27 | 30 | 10 | <b>1545.16.11</b> | 50  |
| <b>Pg 16</b> | 8.5  | 14.0 | 27 | 30 | 10 | <b>1545.16.14</b> | 50  |
| <b>Pg 21</b> | 6.5  | 14.0 | 33 | 35 | 11 | <b>1545.21.14</b> | 25  |
| <b>Pg 21</b> | 11.0 | 18.0 | 33 | 35 | 11 | <b>1545.21.18</b> | 25  |
| <b>Pg 29</b> | 17.0 | 25.0 | 42 | 36 | 11 | <b>1545.29.25</b> | 20  |
| <b>Pg 36</b> | 22.0 | 33.0 | 53 | 48 | 15 | <b>1545.36.33</b> | 10  |
| <b>Pg 42</b> | 28.0 | 38.0 | 60 | 48 | 15 | <b>1545.42.38</b> | 5   |
| <b>Pg 48</b> | 32.0 | 44.0 | 65 | 48 | 15 | <b>1545.48.44</b> | 5   |

## SYNTHETIC CABLE GLANDS SYNTEC®

### WITH LAMELLAR TECHNOLOGY

#### ENTRY THREAD NPT

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | POLYAMIDE PA 6                       |
| PROPERTIES:               | HALOGEN-FREE                         |
| SEALING RING:             | CR (NEOPRENE)                        |
| TEMPERATURE RANGE:        | -30°C / +100°C                       |
| PROTECTION CLASS:         | IP 54                                |
| PROTECTION TYPE ADDITION: | IP 68, IF THE ENTRY THREAD IS SEALED |



#### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G        | $\begin{smallmatrix} >\varnothing< \\ \text{min mm} \end{smallmatrix}$ | $\begin{smallmatrix} >\varnothing< \\ \text{max mm} \end{smallmatrix}$ | <br>mm | H<br>mm | L<br>mm | PART. NO.     |  |
|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------|---------|---------------|-------------------------------------------------------------------------------------|
| NPT 3/8" | 3.0                                                                    | 8.0                                                                    | 19/22                                                                                   | 23      | 15      | 1555.N0375.08 | 50                                                                                  |
| NPT 1/2" | 3.0                                                                    | 7.0                                                                    | 24                                                                                      | 26      | 15      | 1555.N0500.07 | 50                                                                                  |
| NPT 1/2" | 5.5                                                                    | 12.0                                                                   | 24                                                                                      | 26      | 15      | 1555.N0500.12 | 50                                                                                  |
| NPT 3/4" | 6.5                                                                    | 14.0                                                                   | 33                                                                                      | 35      | 15      | 1555.N0750.14 | 25                                                                                  |
| NPT 3/4" | 11.0                                                                   | 18.0                                                                   | 33                                                                                      | 35      | 15      | 1555.N0750.18 | 25                                                                                  |
| NPT 1"   | 17.0                                                                   | 22.0                                                                   | 42                                                                                      | 36      | 15      | 1555.N1000.22 | 20                                                                                  |



#### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G        | $\begin{smallmatrix} >\varnothing< \\ \text{min mm} \end{smallmatrix}$ | $\begin{smallmatrix} >\varnothing< \\ \text{max mm} \end{smallmatrix}$ | <br>mm | H<br>mm | L<br>mm | PART. NO.     |  |
|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------|---------|---------------|---------------------------------------------------------------------------------------|
| NPT 3/8" | 3.0                                                                    | 8.0                                                                    | 19/22                                                                                     | 23      | 15      | 1556.N0375.08 | 50                                                                                    |
| NPT 1/2" | 3.0                                                                    | 7.0                                                                    | 24                                                                                        | 26      | 15      | 1556.N0500.07 | 50                                                                                    |
| NPT 1/2" | 5.5                                                                    | 12.0                                                                   | 24                                                                                        | 26      | 15      | 1556.N0500.12 | 50                                                                                    |
| NPT 3/4" | 6.5                                                                    | 14.0                                                                   | 33                                                                                        | 35      | 15      | 1556.N0750.14 | 25                                                                                    |
| NPT 3/4" | 11.0                                                                   | 18.0                                                                   | 33                                                                                        | 35      | 15      | 1556.N0750.18 | 25                                                                                    |
| NPT 1"   | 17.0                                                                   | 22.0                                                                   | 42                                                                                        | 36      | 15      | 1556.N1000.22 | 20                                                                                    |



#### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

| G        | $\begin{smallmatrix} >\varnothing< \\ \text{min mm} \end{smallmatrix}$ | $\begin{smallmatrix} >\varnothing< \\ \text{max mm} \end{smallmatrix}$ | <br>mm | H<br>mm | L<br>mm | PART. NO.     |  |
|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------|---------|---------------|---------------------------------------------------------------------------------------|
| NPT 3/8" | 3.0                                                                    | 8.0                                                                    | 19/22                                                                                     | 23      | 15      | 1545.N0375.08 | 50                                                                                    |
| NPT 1/2" | 3.0                                                                    | 7.0                                                                    | 24                                                                                        | 26      | 15      | 1545.N0500.07 | 50                                                                                    |
| NPT 1/2" | 5.5                                                                    | 12.0                                                                   | 24                                                                                        | 26      | 15      | 1545.N0500.12 | 50                                                                                    |
| NPT 3/4" | 6.5                                                                    | 14.0                                                                   | 33                                                                                        | 35      | 15      | 1545.N0750.14 | 25                                                                                    |
| NPT 3/4" | 11.0                                                                   | 18.0                                                                   | 33                                                                                        | 35      | 15      | 1545.N0750.18 | 25                                                                                    |
| NPT 1"   | 17.0                                                                   | 22.0                                                                   | 42                                                                                        | 36      | 15      | 1545.N1000.22 | 20                                                                                    |

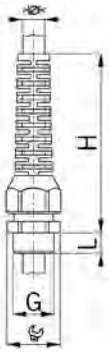




## SYNTHETIC CABLE GLANDS SYNTEC®

### WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

SHORT ENTRY THREAD METRIC



MATERIAL: POLYAMIDE PA 6  
PROPERTIES: HALOGEN-FREE  
SEALING RING: CR (NEOPRENE)  
TESTED ACC. TO: EN 50262  
TEMPERATURE RANGE: -30°C / +100°C  
PROTECTION CLASS: IP 68

#### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G       | $\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$ | $\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \end{matrix}$ | $\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$ | $\begin{matrix} \text{L} \\ \text{mm} \end{matrix}$ | PART. NO.  |    |
|---------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------|----|
| M12x1.5 | 2.5                                                            | 6.5                                                            | 15                                      | 54                                                  | 6                                                   | 1576.12.06 | 50 |
| M16x1.5 | 4.0                                                            | 8.0                                                            | 19                                      | 64                                                  | 6                                                   | 1576.17.08 | 50 |
| M20x1.5 | 3.0                                                            | 7.0                                                            | 24                                      | 88                                                  | 8                                                   | 1576.20.07 | 50 |
| M20x1.5 | 5.5                                                            | 12.0                                                           | 24                                      | 88                                                  | 8                                                   | 1576.20.12 | 50 |



#### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G       | $\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$ | $\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \end{matrix}$ | $\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$ | $\begin{matrix} \text{L} \\ \text{mm} \end{matrix}$ | PART. NO.  |    |
|---------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------|----|
| M12x1.5 | 2.5                                                            | 6.5                                                            | 15                                      | 54                                                  | 6                                                   | 1577.12.06 | 50 |
| M16x1.5 | 4.0                                                            | 8.0                                                            | 19                                      | 64                                                  | 6                                                   | 1577.17.08 | 50 |
| M20x1.5 | 3.0                                                            | 7.0                                                            | 24                                      | 88                                                  | 8                                                   | 1577.20.07 | 50 |
| M20x1.5 | 5.5                                                            | 12.0                                                           | 24                                      | 88                                                  | 8                                                   | 1577.20.12 | 50 |



#### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

| G       | $\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$ | $\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$ | $\begin{matrix} \text{mm} \end{matrix}$ | $\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$ | $\begin{matrix} \text{L} \\ \text{mm} \end{matrix}$ | PART. NO.  |    |
|---------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------|----|
| M12x1.5 | 2.5                                                            | 6.5                                                            | 15                                      | 54                                                  | 6                                                   | 1546.12.06 | 50 |
| M16x1.5 | 4.0                                                            | 8.0                                                            | 19                                      | 64                                                  | 6                                                   | 1546.17.08 | 50 |
| M20x1.5 | 3.0                                                            | 8.0                                                            | 24                                      | 88                                                  | 8                                                   | 1546.20.07 | 50 |
| M20x1.5 | 5.5                                                            | 12.0                                                           | 24                                      | 88                                                  | 8                                                   | 1546.20.12 | 50 |

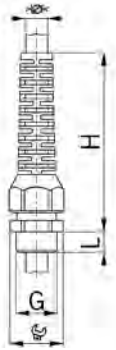


# SYNTHETIC CABLE GLANDS SYNTEC®

## WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

LONG ENTRY THREAD METRIC

|                    |                |
|--------------------|----------------|
| MATERIAL:          | POLYAMIDE PA 6 |
| PROPERTIES:        | HALOGEN-FREE   |
| SEALING RING:      | CR (NEOPRENE)  |
| TESTED ACC. TO:    | EN 50262       |
| TEMPERATURE RANGE: | -30°C / +100°C |
| PROTECTION CLASS:  | IP 68          |



### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G       | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO.    |    |
|---------|---------------|---------------|---------|---------|--------------|----|
| M12x1.5 | 2.5           | 6.5           | 15      | 54      | 1576.12.1.06 | 50 |
| M16x1.5 | 4.0           | 8.0           | 19      | 64      | 1576.17.1.08 | 50 |
| M20x1.5 | 3.0           | 7.0           | 24      | 88      | 1576.20.1.07 | 50 |
| M20x1.5 | 5.5           | 12.0          | 24      | 88      | 1576.20.1.12 | 50 |



### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G       | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO.    |    |
|---------|---------------|---------------|---------|---------|--------------|----|
| M12x1.5 | 2.5           | 6.5           | 15      | 54      | 1577.12.1.06 | 50 |
| M16x1.5 | 4.0           | 8.0           | 19      | 64      | 1577.17.1.08 | 50 |
| M20x1.5 | 3.0           | 7.0           | 24      | 88      | 1577.20.1.07 | 50 |
| M20x1.5 | 5.5           | 12.0          | 24      | 88      | 1577.20.1.12 | 50 |



### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

| G       | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | PART. NO.    |    |
|---------|---------------|---------------|---------|---------|--------------|----|
| M12x1.5 | 2.5           | 6.5           | 15      | 54      | 1546.12.1.06 | 50 |
| M16x1.5 | 4.0           | 8.0           | 19      | 64      | 1546.17.1.08 | 50 |
| M20x1.5 | 3.0           | 7.0           | 24      | 88      | 1546.20.1.07 | 50 |
| M20x1.5 | 5.5           | 12.0          | 24      | 88      | 1546.20.1.12 | 50 |

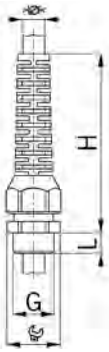




## SYNTEC®

### WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

ENTRY THREAD PG



|                    |                |
|--------------------|----------------|
| MATERIAL:          | POLYAMIDE PA 6 |
| PROPERTIES:        | HALOGEN-FREE   |
| SEALING RING:      | CR (NEOPRENE)  |
| TEMPERATURE RANGE: | -30°C / +100°C |
| PROTECTION CLASS:  | IP 68          |

#### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING



| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm |
|-------|---------------|---------------|--------|---------|---------|
| Pg 7  | 2.5           | 6.5           | 15     | 54      | 8       |
| Pg 9  | 3.0           | 8.0           | 19     | 64      | 8       |
| Pg 11 | 2.0           | 7.0           | 22     | 77      | 8       |
| Pg 11 | 4.0           | 10.0          | 22     | 77      | 8       |
| Pg 13 | 3.0           | 7.0           | 24     | 88      | 9       |
| Pg 13 | 5.5           | 12.0          | 24     | 88      | 9       |
| Pg 16 | 5.0           | 11.0          | 27     | 102     | 10      |
| Pg 16 | 8.5           | 14.0          | 27     | 102     | 10      |

PART. NO.



|  |  |  |  |  |  |                   |    |
|--|--|--|--|--|--|-------------------|----|
|  |  |  |  |  |  | <b>1576.07.06</b> | 50 |
|  |  |  |  |  |  | <b>1576.09.08</b> | 50 |
|  |  |  |  |  |  | <b>1576.11.07</b> | 50 |
|  |  |  |  |  |  | <b>1576.11.10</b> | 50 |
|  |  |  |  |  |  | <b>1576.13.07</b> | 50 |
|  |  |  |  |  |  | <b>1576.13.12</b> | 50 |
|  |  |  |  |  |  | <b>1576.16.11</b> | 50 |
|  |  |  |  |  |  | <b>1576.16.14</b> | 50 |

#### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING



| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm |
|-------|---------------|---------------|--------|---------|---------|
| Pg 7  | 2.5           | 6.5           | 15     | 54      | 8       |
| Pg 9  | 3.0           | 8.0           | 19     | 64      | 8       |
| Pg 11 | 2.0           | 7.0           | 22     | 77      | 8       |
| Pg 11 | 4.0           | 10.0          | 22     | 77      | 8       |
| Pg 13 | 3.0           | 7.0           | 24     | 88      | 9       |
| Pg 13 | 5.5           | 12.0          | 24     | 88      | 9       |
| Pg 16 | 5.0           | 11.0          | 27     | 102     | 10      |
| Pg 16 | 8.5           | 14.0          | 27     | 102     | 10      |

PART. NO.



|  |  |  |  |  |  |                   |    |
|--|--|--|--|--|--|-------------------|----|
|  |  |  |  |  |  | <b>1577.07.06</b> | 50 |
|  |  |  |  |  |  | <b>1577.09.08</b> | 50 |
|  |  |  |  |  |  | <b>1577.11.07</b> | 50 |
|  |  |  |  |  |  | <b>1577.11.10</b> | 50 |
|  |  |  |  |  |  | <b>1577.13.07</b> | 50 |
|  |  |  |  |  |  | <b>1577.13.12</b> | 50 |
|  |  |  |  |  |  | <b>1577.16.11</b> | 50 |
|  |  |  |  |  |  | <b>1577.16.14</b> | 50 |

#### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



| G     | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm |
|-------|---------------|---------------|--------|---------|---------|
| Pg 7  | 2.5           | 6.5           | 15     | 54      | 8       |
| Pg 9  | 3.0           | 8.0           | 19     | 64      | 8       |
| Pg 11 | 2.0           | 7.0           | 22     | 77      | 8       |
| Pg 11 | 4.0           | 10.0          | 22     | 77      | 8       |
| Pg 13 | 3.0           | 7.0           | 24     | 88      | 9       |
| Pg 13 | 5.5           | 12.0          | 24     | 88      | 9       |
| Pg 16 | 5.0           | 11.0          | 27     | 102     | 10      |
| Pg 16 | 8.5           | 14.0          | 27     | 102     | 10      |

PART. NO.



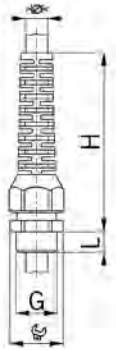
|  |  |  |  |  |  |                   |    |
|--|--|--|--|--|--|-------------------|----|
|  |  |  |  |  |  | <b>1546.07.06</b> | 50 |
|  |  |  |  |  |  | <b>1546.09.08</b> | 50 |
|  |  |  |  |  |  | <b>1546.11.07</b> | 50 |
|  |  |  |  |  |  | <b>1546.11.10</b> | 50 |
|  |  |  |  |  |  | <b>1546.13.07</b> | 50 |
|  |  |  |  |  |  | <b>1546.13.12</b> | 50 |
|  |  |  |  |  |  | <b>1546.16.11</b> | 50 |
|  |  |  |  |  |  | <b>1546.16.14</b> | 50 |

# SYNTHETIC CABLE GLANDS SYNTEC®

## WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

ENTRY THREAD NPT

|                           |                                      |
|---------------------------|--------------------------------------|
| MATERIAL:                 | POLYAMIDE PA 6                       |
| PROPERTIES:               | HALOGEN-FREE                         |
| SEALING RING:             | CR (NEOPRENE)                        |
| TEMPERATURE RANGE:        | -30°C / +100°C                       |
| PROTECTION CLASS:         | IP 54                                |
| PROTECTION TYPE ADDITION: | IP 68, IF THE ENTRY THREAD IS SEALED |



### SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

| G        | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.     |    |
|----------|---------------|---------------|--------|---------|---------|---------------|----|
| NPT 3/8" | 3.0           | 8.0           | 19/22  | 64      | 15      | 1576.N0375.08 | 50 |
| NPT 1/2" | 3.0           | 7.0           | 24     | 88      | 15      | 1576.N0500.07 | 50 |
| NPT 1/2" | 5.5           | 12.0          | 24     | 88      | 15      | 1576.N0500.12 | 50 |



### SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

| G        | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.     |    |
|----------|---------------|---------------|--------|---------|---------|---------------|----|
| NPT 3/8" | 3.0           | 8.0           | 19/22  | 64      | 15      | 1577.N0375.08 | 50 |
| NPT 1/2" | 3.0           | 7.0           | 24     | 88      | 15      | 1577.N0500.07 | 50 |
| NPT 1/2" | 5.5           | 12.0          | 24     | 88      | 15      | 1577.N0500.12 | 50 |



### SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

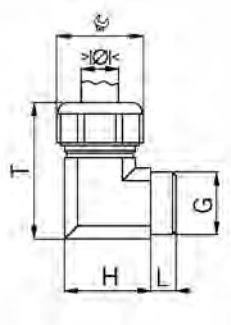
| G        | >Ø<<br>min mm | >Ø<<br>max mm | <br>mm | H<br>mm | L<br>mm | PART. NO.     |    |
|----------|---------------|---------------|--------|---------|---------|---------------|----|
| NPT 3/8" | 3.0           | 8.0           | 19/22  | 64      | 15      | 1546.N0375.08 | 50 |
| NPT 1/2" | 3.0           | 7.0           | 24     | 88      | 15      | 1546.N0500.07 | 50 |
| NPT 1/2" | 5.5           | 12.0          | 24     | 88      | 15      | 1546.N0500.12 | 50 |





## SYNTHETIC CABLE GLANDS ELBOW 90°

### ENTRY THREAD METRIC



MATERIAL: POLYAMIDE PA 6  
 SEAL: PVC / TPE  
 TEMPERATURE RANGE: -20°C / +100°C  
 PROTECTION CLASS: IP 68



#### LIGHT GREY RAL 7035 / ONE-PIECE SEALING INSERT

| G       | $\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$ | $\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$ | $\begin{array}{c} \text{mm} \end{array}$ | H<br>mm | T<br>mm | L<br>mm | PART. NO.   |  |
|---------|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------|---------|---------|---------|-------------|-------------------------------------------------------------------------------------|
| M16x1.5 | 6.5                                                           | 9.5                                                           | 19                                       | 22      | 38      | 8       | 5215.17.95  | 25                                                                                  |
| M20x1.5 | 7.0                                                           | 10.5                                                          | 24                                       | 28      | 46      | 9       | 5215.20.105 | 25                                                                                  |
| M20x1.5 | 9.0                                                           | 13.0                                                          | 24                                       | 28      | 46      | 9       | 5215.20.13  | 25                                                                                  |
| M25x1.5 | 11.5                                                          | 15.5                                                          | 27                                       | 32      | 52      | 10      | 5215.25.155 | 25                                                                                  |



#### BLACK RAL 9005 / ONE-PIECE SEALING INSERT

| G       | $\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$ | $\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$ | $\begin{array}{c} \text{mm} \end{array}$ | H<br>mm | T<br>mm | L<br>mm | PART. NO.      |  |
|---------|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------|---------|---------|---------|----------------|--------------------------------------------------------------------------------------|
| M16x1.5 | 6.5                                                           | 9.5                                                           | 19                                       | 22      | 38      | 8       | 5215.17.40.95  | 25                                                                                   |
| M20x1.5 | 7.0                                                           | 10.5                                                          | 24                                       | 28      | 46      | 9       | 5215.20.40.105 | 25                                                                                   |
| M20x1.5 | 9.0                                                           | 13.0                                                          | 24                                       | 28      | 46      | 9       | 5215.20.40.13  | 25                                                                                   |
| M25x1.5 | 11.5                                                          | 15.5                                                          | 27                                       | 32      | 52      | 10      | 5215.25.40.155 | 25                                                                                   |

### ENTRY THREAD PG



#### LIGHT GREY RAL 7035 / ONE-PIECE SEALING INSERT

| G     | $\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$ | $\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$ | $\begin{array}{c} \text{mm} \end{array}$ | H<br>mm | T<br>mm | L<br>mm | PART. NO.   |  |
|-------|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------|---------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| Pg 9  | 4.5                                                           | 6.5                                                           | 19                                       | 22      | 38      | 8       | 5215.09.65  | 25                                                                                    |
| Pg 9  | 6.5                                                           | 9.5                                                           | 19                                       | 22      | 38      | 8       | 5215.09.95  | 25                                                                                    |
| Pg 11 | 7.0                                                           | 10.5                                                          | 22                                       | 25      | 42      | 9       | 5215.11.105 | 25                                                                                    |
| Pg 11 | 4.0                                                           | 6.5                                                           | 22                                       | 25      | 42      | 9       | 5215.11.65  | 25                                                                                    |
| Pg 11 | 6.5                                                           | 9.5                                                           | 22                                       | 25      | 42      | 9       | 5215.11.95  | 25                                                                                    |
| Pg 13 | 7.0                                                           | 10.5                                                          | 24                                       | 28      | 46      | 9       | 5215.13.105 | 25                                                                                    |
| Pg 13 | 9.0                                                           | 13.0                                                          | 24                                       | 28      | 46      | 9       | 5215.13.13  | 25                                                                                    |
| Pg 13 | 6.5                                                           | 9.5                                                           | 24                                       | 32      | 46      | 9       | 5215.13.95  | 25                                                                                    |
| Pg 16 | 7.0                                                           | 10.5                                                          | 27                                       | 32      | 52      | 10      | 5215.16.105 | 25                                                                                    |
| Pg 16 | 9.0                                                           | 13.0                                                          | 27                                       | 32      | 52      | 10      | 5215.16.13  | 25                                                                                    |
| Pg 16 | 11.5                                                          | 15.5                                                          | 27                                       | 32      | 52      | 10      | 5215.16.155 | 25                                                                                    |
| Pg 16 | 6.5                                                           | 9.5                                                           | 27                                       | 32      | 52      | 10      | 5215.16.95  | 25                                                                                    |



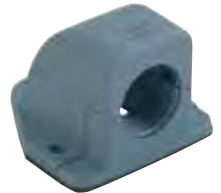
# SYNTHETIC FLANGED ELBOW 90°

## ENTRY THREAD METRIC

MATERIAL: POLYAMIDE  
 SEAL: NBR  
 TEMPERATURE RANGE: -40°C / +110°C  
 PROTECTION CLASS: IP 65  
 PROPERTIES: THE FLANGED ELBOW CAN BE OPENED TO INSERT THE CABLES AND THEREFORE PERMITS AN EFFORTLESS INSTALLATION

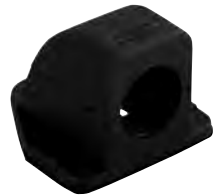
### GREY

| G       | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | H<br>mm | PART. NO.  |  |
|---------|---------|---------|---------|---------|---------|---------|---------|------------|-------------------------------------------------------------------------------------|
| M16x1.5 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5500.20.17 | 10                                                                                  |
| M20x1.5 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5500.20.20 | 10                                                                                  |
| M25x1.5 | 69      | 65      | 44      | 30      | 31      | 42      | 52      | 5500.20.25 | 10                                                                                  |
| M32x1.5 | 90      | 78      | 55      | 40      | 65      | 65      | 65      | 5500.20.32 | 10                                                                                  |
| M40x1.5 | 100     | 94      | 66      | 48      | 68      | 80      | 80      | 5500.20.40 | 5                                                                                   |
| M50x1.5 | 116     | 101     | 76      | 63      | 85      | 88      | 88      | 5500.20.50 | 5                                                                                   |



### BLACK

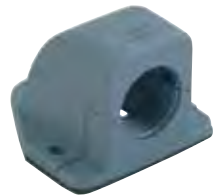
| G       | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | H<br>mm | PART. NO.  |  |
|---------|---------|---------|---------|---------|---------|---------|---------|------------|-------------------------------------------------------------------------------------|
| M16x1.5 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5500.40.17 | 10                                                                                  |
| M20x1.5 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5500.40.20 | 10                                                                                  |
| M25x1.5 | 69      | 65      | 44      | 30      | 31      | 42      | 52      | 5500.40.25 | 10                                                                                  |
| M32x1.5 | 90      | 78      | 55      | 40      | 65      | 65      | 65      | 5500.40.32 | 10                                                                                  |
| M40x1.5 | 100     | 94      | 66      | 48      | 68      | 80      | 80      | 5500.40.40 | 5                                                                                   |
| M50x1.5 | 116     | 101     | 76      | 63      | 85      | 88      | 88      | 5500.40.50 | 5                                                                                   |



## ENTRY THREAD PG

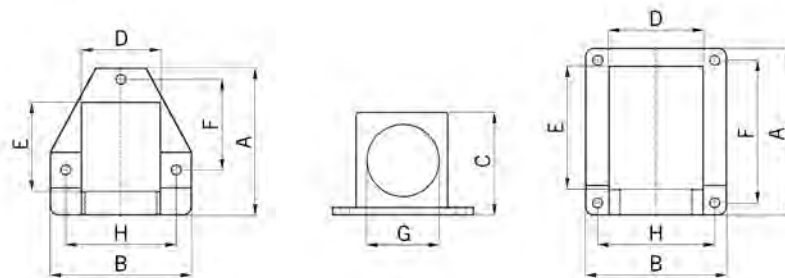
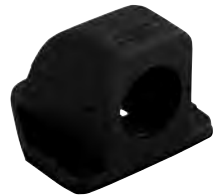
### GREY

| G     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | H<br>mm | PART. NO.  |  |
|-------|---------|---------|---------|---------|---------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 11 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5520.11    | 10                                                                                    |
| Pg 16 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5520.16    | 10                                                                                    |
| Pg 21 | 69      | 65      | 44      | 30      | 31      | 42      | 52      | 5520.21    | 10                                                                                    |
| Pg 29 | 90      | 78      | 55      | 40      | 65      | 65      | 65      | 5520.29    | 10                                                                                    |
| Pg 36 | 100     | 94      | 66      | 48      | 68      | 80      | 80      | 5520.36    | 5                                                                                     |
| Pg 48 | 116     | 101     | 76      | 63      | 85      | 88      | 88      | 5520.48.48 | 5                                                                                     |



### BLACK

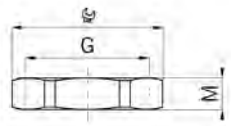
| G     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | H<br>mm | PART. NO.  |  |
|-------|---------|---------|---------|---------|---------|---------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 11 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5540.11    | 10                                                                                    |
| Pg 16 | 49      | 47      | 35      | 22      | 27      | 29      | 37      | 5540.16    | 10                                                                                    |
| Pg 21 | 69      | 65      | 44      | 30      | 31      | 42      | 52      | 5540.21    | 10                                                                                    |
| Pg 29 | 90      | 78      | 55      | 40      | 65      | 65      | 65      | 5540.29    | 10                                                                                    |
| Pg 36 | 100     | 94      | 66      | 48      | 68      | 80      | 80      | 5540.36    | 5                                                                                     |
| Pg 48 | 116     | 101     | 76      | 63      | 85      | 88      | 88      | 5540.48.48 | 5                                                                                     |





## LOCK NUT NICKEL-PLATED BRASS

### ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
EXECUTION: HEXAGONAL DESIGN  
TEMPERATURE RANGE: -40°C / +200°C



#### METRIC THREAD

| G        | <br>mm | M<br>mm | i<br>info | PART. NO. |  |
|----------|-----------------------------------------------------------------------------------------|---------|-----------|-----------|-------------------------------------------------------------------------------------|
| M6x0.75  | 9                                                                                       | 2.8     | -         | 8000.06.1 | 50                                                                                  |
| M6x1.0   | 9                                                                                       | 2.8     | 1         | 8000.06   | 50                                                                                  |
| M8x1.0   | 11                                                                                      | 2.8     | -         | 8000.08.1 | 50                                                                                  |
| M8x1.25  | 11                                                                                      | 2.8     | 1         | 8000.08   | 50                                                                                  |
| M10x1.0  | 13                                                                                      | 2.8     | -         | 8000.10.1 | 50                                                                                  |
| M10x1.5  | 13                                                                                      | 2.8     | 1         | 8000.10   | 50                                                                                  |
| M12x1.5  | 15                                                                                      | 3.0     | -         | 8000.12   | 100                                                                                 |
| M16x1.5  | 19                                                                                      | 3.0     | -         | 8000.17   | 100                                                                                 |
| M20x1.5  | 24                                                                                      | 3.5     | -         | 8000.20   | 100                                                                                 |
| M25x1.5  | 30                                                                                      | 4.0     | -         | 8000.25   | 50                                                                                  |
| M32x1.5  | 36                                                                                      | 4.0     | -         | 8000.32   | 25                                                                                  |
| M40x1.5  | 46                                                                                      | 5.0     | -         | 8000.40   | 25                                                                                  |
| M50x1.5  | 55                                                                                      | 5.5     | -         | 8000.50   | 10                                                                                  |
| M63x1.5  | 70                                                                                      | 6.0     | -         | 8000.63   | 10                                                                                  |
| M75x1.5  | 80                                                                                      | 6.0     | -         | 8000.75   | 10                                                                                  |
| M80x2.0  | 95                                                                                      | 8       | -         | 8000.080  | 5                                                                                   |
| M85x2.0  | 95                                                                                      | 8.0     | -         | 8000.085  | 5                                                                                   |
| M95x2.0  | 110                                                                                     | 9.0     | -         | 8000.095  | 5                                                                                   |
| M100x3.0 | 115                                                                                     | 9.0     | -         | 8000.100  | 1                                                                                   |
| M105x3.0 | 120                                                                                     | 9.0     | -         | 8000.105  | 1                                                                                   |
| M115x3.0 | 125                                                                                     | 10.0    | -         | 8000.115  | 1                                                                                   |

1 = METRIC COARSE-PITCH THREAD

### ENTRY THREAD PG



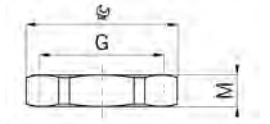
#### PG THREAD

| G     | <br>mm | M<br>mm | PART. NO. |  |
|-------|-------------------------------------------------------------------------------------------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 15                                                                                        | 3.0     | 8007      | 50                                                                                    |
| Pg 9  | 18                                                                                        | 3.0     | 8009      | 50                                                                                    |
| Pg 11 | 21                                                                                        | 3.0     | 8011      | 50                                                                                    |
| Pg 13 | 23                                                                                        | 3.0     | 8013      | 50                                                                                    |
| Pg 16 | 26                                                                                        | 3.0     | 8016      | 50                                                                                    |
| Pg 21 | 32                                                                                        | 3.5     | 8021      | 25                                                                                    |
| Pg 29 | 41                                                                                        | 4.0     | 8029      | 10                                                                                    |
| Pg 36 | 51                                                                                        | 5.0     | 8036      | 10                                                                                    |
| Pg 42 | 60                                                                                        | 5.0     | 8042      | 10                                                                                    |
| Pg 48 | 64                                                                                        | 5.5     | 8048.48   | 10                                                                                    |

## LOCK NUT NICKEL-PLATED BRASS

### GAS-PIPE THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS  
 EXECUTION: HEXAGONAL DESIGN  
 TEMPERATURE RANGE: -40°C / +200°C



#### GAS-PIPE THREAD

| <b>G</b>        |  mm | <b>M</b><br>mm | <b>i</b><br>info | PART. NO.       |  |
|-----------------|--------------------------------------------------------------------------------------|----------------|------------------|-----------------|-------------------------------------------------------------------------------------|
| <b>G 3/8"</b>   | 19                                                                                   | 3.0            | -                | <b>803/8G</b>   | 10                                                                                  |
| <b>G 1/2"</b>   | 24                                                                                   | 3.0            | -                | <b>801/2G</b>   | 10                                                                                  |
| <b>G 3/8"</b>   | 26                                                                                   | 3.0            | -                | <b>805/8G</b>   | 10                                                                                  |
| <b>G 3/4"</b>   | 30                                                                                   | 3.5            | -                | <b>803/4G</b>   | 10                                                                                  |
| <b>G 1"</b>     | 38                                                                                   | 4.5            | -                | <b>801G</b>     | 10                                                                                  |
| <b>G 1 1/2"</b> | 51                                                                                   | 5.0            | -                | <b>801 1/2G</b> | 10                                                                                  |
| <b>G 1 1/4"</b> | 46                                                                                   | 5.0            | -                | <b>801 1/4G</b> | 10                                                                                  |
| <b>G 2"</b>     | 64                                                                                   | 5.5            | -                | <b>8048</b>     | 10                                                                                  |
| <b>G 2 1/2"</b> | Ø90                                                                                  | 12.0           | 1                | <b>8050</b>     | 50                                                                                  |
| <b>G 3"</b>     | Ø105                                                                                 | 12.0           | 1                | <b>8051</b>     | 50                                                                                  |

1 = ROUND FORM, ZINC COATED STEEL



### ENTRY THREAD METRIC

#### THICK-WALLED VERSION

| <b>G</b>       |  mm | <b>M</b><br>mm | PART. NO.      |  |
|----------------|----------------------------------------------------------------------------------------|----------------|----------------|---------------------------------------------------------------------------------------|
| <b>M12x1.5</b> | 15                                                                                     | 5.0            | <b>8300.12</b> | 50                                                                                    |
| <b>M16x1.5</b> | 19                                                                                     | 5.0            | <b>8300.17</b> | 50                                                                                    |
| <b>M20x1.5</b> | 24                                                                                     | 5.5            | <b>8300.20</b> | 50                                                                                    |
| <b>M25x1.5</b> | 30                                                                                     | 5.5            | <b>8300.25</b> | 50                                                                                    |
| <b>M32x1.5</b> | 36                                                                                     | 6.0            | <b>8300.32</b> | 50                                                                                    |
| <b>M40x1.5</b> | 46                                                                                     | 7.0            | <b>8300.40</b> | 50                                                                                    |



### ENTRY THREAD PG

#### THICK-WALLED VERSION

| <b>G</b>     |  mm | <b>M</b><br>mm | PART. NO.      |  |
|--------------|----------------------------------------------------------------------------------------|----------------|----------------|---------------------------------------------------------------------------------------|
| <b>Pg 7</b>  | 15                                                                                     | 5.0            | <b>8300.07</b> | 50                                                                                    |
| <b>Pg 9</b>  | 18                                                                                     | 5.0            | <b>8300.09</b> | 50                                                                                    |
| <b>Pg 11</b> | 21                                                                                     | 5.0            | <b>8300.11</b> | 50                                                                                    |
| <b>Pg 13</b> | 24                                                                                     | 5.5            | <b>8300.13</b> | 50                                                                                    |
| <b>Pg 16</b> | 26                                                                                     | 5.5            | <b>8300.16</b> | 50                                                                                    |
| <b>Pg 21</b> | 32                                                                                     | 6.0            | <b>8300.21</b> | 50                                                                                    |
| <b>Pg 29</b> | 41                                                                                     | 7.0            | <b>8300.29</b> | 50                                                                                    |

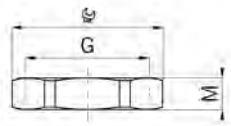




## LOCK NUT NICKEL-PLATED BRASS

### WITH RECESS FOR O-RING

ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
 EXECUTION: HEXAGONAL DESIGN  
 O-RING: TO BE ORDERED SEPARATELY  
 TEMPERATURE RANGE: -40°C / +200°C



THICK-WALLED VERSION WITHOUT O-RING

| G       |  mm | M<br>mm | O-ring        | PART. NO. |  |
|---------|--------------------------------------------------------------------------------------|---------|---------------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 15                                                                                   | 5.0     | 1007.00.08    | 8300.12.1 | 50                                                                                  |
| M16x1.5 | 19                                                                                   | 5.0     | 1016.00.15.08 | 8300.17.1 | 50                                                                                  |
| M20x1.5 | 24                                                                                   | 5.5     | 1016.00.08    | 8300.20.1 | 50                                                                                  |
| M25x1.5 | 30                                                                                   | 5.5     | 1013.00.22.08 | 8300.25.1 | 50                                                                                  |
| M32x1.5 | 36                                                                                   | 6.0     | 1021.00.30.08 | 8300.32.1 | 50                                                                                  |
| M40x1.5 | 46                                                                                   | 7.0     | 1029.00.39.08 | 8300.40.1 | 50                                                                                  |
| M50x1.5 | 55                                                                                   | 7.5     | 1036.00.49.08 | 8300.50.1 | 10                                                                                  |
| M63x1.5 | 70                                                                                   | 8.0     | 1048.00.62.08 | 8300.63.1 | 10                                                                                  |

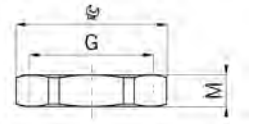
## STAINLESS STEEL LOCK NUTS

### STAINLESS STEEL A2

MATERIAL: CRNI STAINLESS STEEL A2  
(DIN EN 1.4305 / AISI 303)

EXECUTION: HEXAGONAL DESIGN

TEMPERATURE RANGE: -40°C / +300°C



#### METRIC THREAD

| G       |  | M   | i | PART. NO. |  |
|---------|-----------------------------------------------------------------------------------|-----|---|-----------|-------------------------------------------------------------------------------------|
| M8x1.25 | 11                                                                                | 2.8 | 1 | 8008.96   | 50                                                                                  |
| M10x1.5 | 13                                                                                | 2.8 | 1 | 8010.96   | 50                                                                                  |
| M12x1.5 | 17                                                                                | 3.0 | - | 8012.96   | 50                                                                                  |
| M16x1.5 | 19                                                                                | 3.0 | - | 8017.96   | 50                                                                                  |
| M20x1.5 | 24                                                                                | 3.5 | - | 8020.96   | 50                                                                                  |
| M25x1.5 | 30                                                                                | 3.5 | - | 8025.96   | 25                                                                                  |
| M32x1.5 | 36                                                                                | 4.5 | - | 8032.96   | 25                                                                                  |
| M40x1.5 | 46                                                                                | 4.5 | - | 8040.96   | 10                                                                                  |
| M50x1.5 | 55                                                                                | 5.5 | - | 8050.96   | 10                                                                                  |
| M63x1.5 | 70                                                                                | 6.0 | - | 8063.96   | 5                                                                                   |

1 = METRIC COARSE-PITCH THREAD



#### PG THREAD

| G     |  | M   | PART. NO. |  |
|-------|-------------------------------------------------------------------------------------|-----|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 17                                                                                  | 3.5 | 8007.96   | 50                                                                                    |
| Pg 9  | 19                                                                                  | 3.5 | 8009.96   | 50                                                                                    |
| Pg 11 | 22                                                                                  | 3.5 | 8011.96   | 50                                                                                    |
| Pg 13 | 24                                                                                  | 4.0 | 8013.96   | 50                                                                                    |
| Pg 16 | 27                                                                                  | 4.0 | 8016.96   | 50                                                                                    |
| Pg 21 | 32                                                                                  | 4.5 | 8021.96   | 25                                                                                    |
| Pg 29 | 41                                                                                  | 5.5 | 8029.96   | 10                                                                                    |
| Pg 36 | 51                                                                                  | 6.0 | 8036.96   | 10                                                                                    |

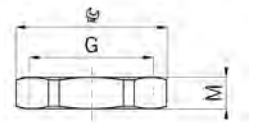


### STAINLESS STEEL AND ACID RESISTANT A4

MATERIAL: STAINLESS AND ACID RESISTANT STEEL A4 CRNIMO  
(DIN EN 1.4435 / AISI 316L)

EXECUTION: HEXAGONAL DESIGN

TEMPERATURE RANGE: -40°C / +300°C



#### METRIC THREAD

| G       |  | M   | i | PART. NO. |  |
|---------|-------------------------------------------------------------------------------------|-----|---|-----------|---------------------------------------------------------------------------------------|
| M8x1.25 | 11                                                                                  | 2.8 | 1 | 8008.98   | 50                                                                                    |
| M10x1.5 | 13                                                                                  | 2.8 | 1 | 8010.98   | 50                                                                                    |
| M12x1.5 | 17                                                                                  | 3.0 | - | 8012.98   | 50                                                                                    |
| M16x1.5 | 19                                                                                  | 3.0 | - | 8017.98   | 50                                                                                    |
| M20x1.5 | 24                                                                                  | 3.5 | - | 8020.98   | 50                                                                                    |
| M25x1.5 | 30                                                                                  | 3.5 | - | 8025.98   | 25                                                                                    |
| M32x1.5 | 36                                                                                  | 4.5 | - | 8032.98   | 25                                                                                    |
| M40x1.5 | 46                                                                                  | 4.5 | - | 8040.98   | 10                                                                                    |
| M50x1.5 | 55                                                                                  | 5.5 | - | 8050.98   | 10                                                                                    |
| M63x1.5 | 70                                                                                  | 6.0 | - | 8063.98   | 5                                                                                     |

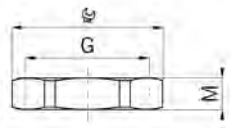
1 = METRIC COARSE-PITCH THREAD





## SYNTHETIC LOCK NUTS

### ENTRY THREAD METRIC



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED  
EXECUTION: HEXAGONAL DESIGN  
TEMPERATURE RANGE: -40°C / +100°C

LIGHT GREY RAL 7035

| G       | <br>mm | M<br>mm | PART. NO. |  |
|---------|-----------------------------------------------------------------------------------------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 17                                                                                      | 5.5     | 8212      | 100                                                                                 |
| M16x1.5 | 22                                                                                      | 5.5     | 8217      | 100                                                                                 |
| M20x1.5 | 26                                                                                      | 6.5     | 8220      | 100                                                                                 |
| M25x1.5 | 32                                                                                      | 7.0     | 8225      | 100                                                                                 |
| M32x1.5 | 41                                                                                      | 7.0     | 8232      | 100                                                                                 |
| M40x1.5 | 50                                                                                      | 7.0     | 8240      | 50                                                                                  |
| M50x1.5 | 60                                                                                      | 8.5     | 8250      | 10                                                                                  |



BLACK RAL 9005

| G       | <br>mm | M<br>mm | PART. NO. |  |
|---------|-----------------------------------------------------------------------------------------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 17                                                                                      | 5.5     | 8212.40   | 100                                                                                 |
| M16x1.5 | 22                                                                                      | 5.5     | 8217.40   | 100                                                                                 |
| M20x1.5 | 26                                                                                      | 6.5     | 8220.40   | 100                                                                                 |
| M25x1.5 | 32                                                                                      | 7.0     | 8225.40   | 100                                                                                 |
| M32x1.5 | 41                                                                                      | 7.0     | 8232.40   | 100                                                                                 |
| M40x1.5 | 50                                                                                      | 7.0     | 8240.40   | 50                                                                                  |
| M50x1.5 | 60                                                                                      | 8.5     | 8250.40   | 10                                                                                  |



### ENTRY THREAD PG

LIGHT GREY RAL 7035

| G     | <br>mm | M<br>mm | PART. NO. |  |
|-------|-------------------------------------------------------------------------------------------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 19                                                                                        | 5.0     | 8207      | 100                                                                                   |
| Pg 9  | 22                                                                                        | 6.0     | 8209      | 100                                                                                   |
| Pg 11 | 24                                                                                        | 6.0     | 8211      | 100                                                                                   |
| Pg 13 | 27                                                                                        | 6.0     | 8213      | 100                                                                                   |
| Pg 16 | 30                                                                                        | 6.0     | 8216      | 100                                                                                   |
| Pg 21 | 36                                                                                        | 7.0     | 8221      | 100                                                                                   |
| Pg 29 | 46                                                                                        | 7.0     | 8229      | 50                                                                                    |
| Pg 36 | 60                                                                                        | 8.0     | 8236      | 25                                                                                    |
| Pg 42 | 65                                                                                        | 8.0     | 8242      | 25                                                                                    |
| Pg 48 | 70                                                                                        | 8.0     | 8248.48   | 25                                                                                    |



BLACK RAL 9005

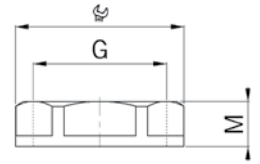
| G     | <br>mm | M<br>mm | PART. NO.  |  |
|-------|-------------------------------------------------------------------------------------------|---------|------------|---------------------------------------------------------------------------------------|
| Pg 7  | 19                                                                                        | 5.0     | 8207.40    | 100                                                                                   |
| Pg 9  | 22                                                                                        | 6.0     | 8209.40    | 100                                                                                   |
| Pg 11 | 24                                                                                        | 6.0     | 8211.40    | 100                                                                                   |
| Pg 13 | 27                                                                                        | 6.0     | 8213.40    | 100                                                                                   |
| Pg 16 | 30                                                                                        | 6.0     | 8216.40    | 100                                                                                   |
| Pg 21 | 36                                                                                        | 7.0     | 8221.40    | 100                                                                                   |
| Pg 29 | 46                                                                                        | 7.0     | 8229.40    | 50                                                                                    |
| Pg 36 | 60                                                                                        | 8.0     | 8236.40    | 25                                                                                    |
| Pg 42 | 65                                                                                        | 8.0     | 8242.40    | 25                                                                                    |
| Pg 48 | 70                                                                                        | 8.0     | 8248.48.40 | 25                                                                                    |



## SYNTHETIC LOCK NUTS WITH FLANGE

### ENTRY THREAD METRIC

MATERIAL: POLYAMIDE PA 6  
 EXECUTION: HEXAGONAL DESIGN WITH FLANGE  
 TEMPERATURE RANGE: -30°C / +100°C



LIGHT GREY RAL 7035

| G       |  mm | M    |  | PART. NO. |  |
|---------|--------------------------------------------------------------------------------------|------|--|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 17                                                                                   | 5.0  |  | 8255.12   | 100                                                                                 |
| M16x1.5 | 22                                                                                   | 5.0  |  | 8255.17   | 100                                                                                 |
| M20x1.5 | 27                                                                                   | 6.0  |  | 8255.20   | 100                                                                                 |
| M25x1.5 | 33                                                                                   | 6.7  |  | 8255.25   | 100                                                                                 |
| M32x1.5 | 42                                                                                   | 7.9  |  | 8255.32   | 50                                                                                  |
| M40x1.5 | 48                                                                                   | 8.4  |  | 8255.40   | 50                                                                                  |
| M50x1.5 | 59                                                                                   | 9.9  |  | 8255.50   | 10                                                                                  |
| M63x1.5 | 73                                                                                   | 11.0 |  | 8255.63   | 10                                                                                  |



BLACK RAL 9005

| G       |  mm | M    |  | PART. NO. |  |
|---------|--------------------------------------------------------------------------------------|------|--|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 17                                                                                   | 5.0  |  | 8245.12   | 100                                                                                 |
| M16x1.5 | 22                                                                                   | 5.0  |  | 8245.17   | 100                                                                                 |
| M20x1.5 | 27                                                                                   | 6.0  |  | 8245.20   | 100                                                                                 |
| M25x1.5 | 33                                                                                   | 6.7  |  | 8245.25   | 100                                                                                 |
| M32x1.5 | 42                                                                                   | 7.9  |  | 8245.32   | 50                                                                                  |
| M40x1.5 | 48                                                                                   | 8.4  |  | 8245.40   | 50                                                                                  |
| M50x1.5 | 59                                                                                   | 9.9  |  | 8245.50   | 10                                                                                  |
| M63x1.5 | 73                                                                                   | 11.0 |  | 8245.63   | 10                                                                                  |



### ENTRY THREAD PG

LIGHT GREY RAL 7035

| G     |  mm | M   |  | PART. NO. |  |
|-------|----------------------------------------------------------------------------------------|-----|--|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 19                                                                                     | 5.0 |  | 8255.07   | 100                                                                                   |
| Pg 9  | 21                                                                                     | 5.0 |  | 8255.09   | 100                                                                                   |
| Pg 11 | 24                                                                                     | 5.0 |  | 8255.11   | 100                                                                                   |
| Pg 13 | 27                                                                                     | 6.0 |  | 8255.13   | 100                                                                                   |
| Pg 16 | 30                                                                                     | 6.0 |  | 8255.16   | 100                                                                                   |
| Pg 21 | 36                                                                                     | 7.0 |  | 8255.21   | 50                                                                                    |
| Pg 29 | 46                                                                                     | 8.0 |  | 8255.29   | 50                                                                                    |
| Pg 36 | 59                                                                                     | 8.0 |  | 8255.36   | 25                                                                                    |
| Pg 42 | 65                                                                                     | 8.0 |  | 8255.42   | 10                                                                                    |
| Pg 48 | 69                                                                                     | 8.0 |  | 8255.48   | 10                                                                                    |



BLACK RAL 9005

| G     |  mm | M   |  | PART. NO. |  |
|-------|----------------------------------------------------------------------------------------|-----|--|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 19                                                                                     | 5.0 |  | 8245.07   | 100                                                                                   |
| Pg 9  | 21                                                                                     | 5.0 |  | 8245.09   | 100                                                                                   |
| Pg 11 | 24                                                                                     | 5.0 |  | 8245.11   | 100                                                                                   |
| Pg 13 | 27                                                                                     | 6.0 |  | 8245.13   | 100                                                                                   |
| Pg 16 | 30                                                                                     | 6.0 |  | 8245.16   | 100                                                                                   |
| Pg 21 | 36                                                                                     | 7.0 |  | 8245.21   | 50                                                                                    |
| Pg 29 | 46                                                                                     | 8.0 |  | 8245.29   | 50                                                                                    |
| Pg 36 | 59                                                                                     | 8.0 |  | 8245.36   | 25                                                                                    |
| Pg 42 | 65                                                                                     | 8.0 |  | 8245.42   | 10                                                                                    |
| Pg 48 | 69                                                                                     | 8.0 |  | 8245.48   | 10                                                                                    |

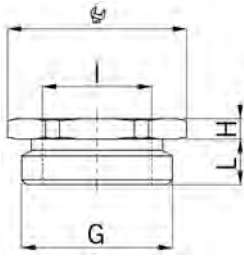






## REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

### HEXAGONAL REDUCTION FITTINGS



MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

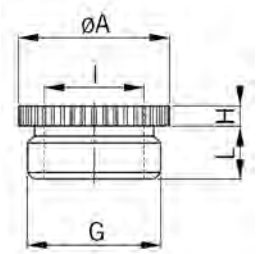
| G               | I        |  mm | H mm | L mm | i info | PART. NO.         |  |
|-----------------|----------|--------------------------------------------------------------------------------------|------|------|--------|-------------------|-------------------------------------------------------------------------------------|
| <b>M 8x1.25</b> | M 6x1.0  | 11                                                                                   | 8.0  | 5    | 1      | <b>3500.08.06</b> | 50                                                                                  |
| <b>M10x1.5</b>  | M 6x1.0  | 13                                                                                   | 3.0  | 5    | 1      | <b>3500.10.06</b> | 50                                                                                  |
| <b>M10x1.5</b>  | M 8x1.25 | 13                                                                                   | 8.0  | 5    | 1      | <b>3500.10.08</b> | 50                                                                                  |
| <b>M12x1.5</b>  | M 8x1.25 | 15                                                                                   | 3.0  | 5    | 1      | <b>3500.12.08</b> | 50                                                                                  |
| <b>M12x1.5</b>  | M10x1.5  | 15                                                                                   | 8.0  | 5    | 1      | <b>3500.12.10</b> | 50                                                                                  |
| <b>M16x1.5</b>  | M10x1.5  | 18                                                                                   | 3.0  | 5    | 1      | <b>3500.17.10</b> | 50                                                                                  |
| <b>M16x1.5</b>  | M12x1.5  | 18                                                                                   | 3.0  | 5    | -      | <b>3500.17.12</b> | 50                                                                                  |
| <b>M20x1.5</b>  | M12x1.5  | 24                                                                                   | 3.0  | 6    | -      | <b>3500.20.12</b> | 50                                                                                  |
| <b>M20x1.5</b>  | M16x1.5  | 24                                                                                   | 3.0  | 6    | -      | <b>3500.20.17</b> | 50                                                                                  |
| <b>M25x1.5</b>  | M16x1.5  | 30                                                                                   | 3.5  | 7    | -      | <b>3500.25.17</b> | 25                                                                                  |
| <b>M25x1.5</b>  | M20x1.5  | 30                                                                                   | 3.5  | 7    | -      | <b>3500.25.20</b> | 25                                                                                  |
| <b>M32x1.5</b>  | M20x1.5  | 36                                                                                   | 4.0  | 8    | -      | <b>3500.32.20</b> | 20                                                                                  |
| <b>M32x1.5</b>  | M25x1.5  | 36                                                                                   | 4.0  | 8    | -      | <b>3500.32.25</b> | 20                                                                                  |
| <b>M40x1.5</b>  | M25x1.5  | 46                                                                                   | 4.5  | 8    | -      | <b>3500.40.25</b> | 10                                                                                  |
| <b>M40x1.5</b>  | M32x1.5  | 46                                                                                   | 4.5  | 8    | -      | <b>3500.40.32</b> | 10                                                                                  |
| <b>M50x1.5</b>  | M32x1.5  | 55                                                                                   | 5.0  | 9    | -      | <b>3500.50.32</b> | 10                                                                                  |
| <b>M50x1.5</b>  | M40x1.5  | 55                                                                                   | 5.0  | 9    | -      | <b>3500.50.40</b> | 10                                                                                  |
| <b>M63x1.5</b>  | M40x1.5  | 70                                                                                   | 5.5  | 10   | -      | <b>3500.63.40</b> | 5                                                                                   |
| <b>M63x1.5</b>  | M50x1.5  | 70                                                                                   | 5.5  | 10   | -      | <b>3500.63.50</b> | 5                                                                                   |
| <b>M75x1.5</b>  | M50x1.5  | 80                                                                                   | 6.0  | 11   | -      | <b>3500.75.50</b> | 5                                                                                   |
| <b>M75x1.5</b>  | M63x1.5  | 80                                                                                   | 6.0  | 11   | -      | <b>3500.75.63</b> | 5                                                                                   |

1 = METRIC COARSE-PITCH THREAD

## REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

### ROUND, KNURLED REDUCTION FITTINGS

MATERIAL: NICKEL-PLATED BRASS  
 TEMPERATURE RANGE: -40°C / +200°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



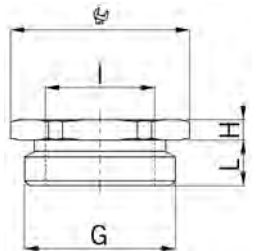
OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

| G       | I       | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.  |     |
|---------|---------|----------|---------|---------|------------|-----|
| M16x1.5 | M12x1.5 | 18       | 3       | 7       | 3545.17.12 | 100 |
| M20x1.5 | M12x1.5 | 22       | 3       | 8       | 3545.20.12 | 100 |
| M20x1.5 | M16x1.5 | 22       | 3       | 8       | 3545.20.17 | 100 |
| M25x1.5 | M16x1.5 | 27       | 3       | 8       | 3545.25.17 | 50  |
| M25x1.5 | M20x1.5 | 27       | 3       | 8       | 3545.25.20 | 50  |
| M32x1.5 | M20x1.5 | 34       | 4       | 9       | 3545.32.20 | 50  |
| M32x1.5 | M25x1.5 | 34       | 4       | 9       | 3545.32.25 | 50  |
| M40x1.5 | M25x1.5 | 42       | 4.5     | 9       | 3545.40.25 | 50  |
| M40x1.5 | M32x1.5 | 42       | 4.5     | 9       | 3545.40.32 | 25  |
| M50x1.5 | M32x1.5 | 52       | 4.5     | 10      | 3545.50.32 | 25  |
| M50x1.5 | M40x1.5 | 52       | 4.5     | 10      | 3545.50.40 | 10  |
| M63x1.5 | M40x1.5 | 65       | 5       | 11      | 3545.63.40 | 10  |
| M63x1.5 | M50x1.5 | 65       | 5       | 11      | 3545.63.50 | 10  |



### HEXAGONAL REDUCTION FITTINGS

MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

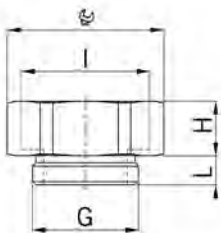
| G     | I     | mm | H<br>mm | L<br>mm | PART. NO.  |    |
|-------|-------|----|---------|---------|------------|----|
| Pg 9  | Pg 7  | 18 | 3.0     | 6.5     | 3509.07    | 50 |
| Pg 11 | Pg 7  | 20 | 3.0     | 6.5     | 3511.07    | 50 |
| Pg 11 | Pg 9  | 22 | 3.0     | 7.0     | 3511.09    | 50 |
| Pg 13 | Pg 7  | 24 | 3.0     | 7.0     | 3513.07    | 50 |
| Pg 13 | Pg 9  | 24 | 3.0     | 7.0     | 3513.09    | 50 |
| Pg 13 | Pg 11 | 24 | 3.0     | 7.0     | 3513.11    | 50 |
| Pg 16 | Pg 9  | 24 | 3.0     | 7.0     | 3516.09    | 50 |
| Pg 16 | Pg 11 | 24 | 3.0     | 7.0     | 3516.11    | 50 |
| Pg 16 | Pg 13 | 27 | 3.0     | 7.0     | 3516.13    | 50 |
| Pg 21 | Pg 11 | 32 | 3.5     | 7.5     | 3521.11    | 25 |
| Pg 21 | Pg 13 | 32 | 3.5     | 7.5     | 3521.13    | 25 |
| Pg 21 | Pg 16 | 32 | 3.5     | 7.5     | 3521.16    | 25 |
| Pg 29 | Pg 13 | 38 | 4.0     | 8.0     | 3529.13    | 10 |
| Pg 29 | Pg 16 | 38 | 4.0     | 8.0     | 3529.16    | 10 |
| Pg 29 | Pg 21 | 38 | 4.0     | 8.0     | 3529.21    | 10 |
| Pg 36 | Pg 21 | 50 | 4.5     | 8.5     | 3536.21    | 10 |
| Pg 36 | Pg 29 | 50 | 4.5     | 8.5     | 3536.29    | 10 |
| Pg 42 | Pg 29 | 60 | 4.0     | 11.0    | 3542.29    | 10 |
| Pg 42 | Pg 36 | 60 | 4.0     | 11.0    | 3542.36    | 10 |
| Pg 48 | Pg 36 | 65 | 4.0     | 11.0    | 3548.48.36 | 10 |





## REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

### HEXAGONAL ENLARGING FITTINGS



MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68

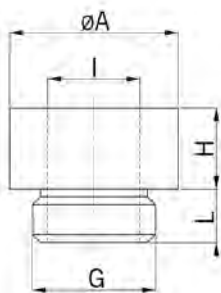


#### OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

| G        | I        |  mm | H mm | L mm | i info | PART. NO.  |  |
|----------|----------|--------------------------------------------------------------------------------------|------|------|--------|------------|-------------------------------------------------------------------------------------|
| M 6x1.0  | M 8x1.25 | 11                                                                                   | 8.5  | 5    | 1      | 3600.06.08 | 50                                                                                  |
| M 6x1.0  | M 10x1.5 | 13                                                                                   | 8.5  | 5    | 1      | 3600.06.10 | 50                                                                                  |
| M 8x1.25 | M 10x1.5 | 13                                                                                   | 9    | 5    | 1      | 3600.08.10 | 50                                                                                  |
| M 8x1.25 | M 12x1.5 | 15                                                                                   | 9    | 5    | 1      | 3600.08.12 | 50                                                                                  |
| M 10x1.5 | M 12x1.5 | 15                                                                                   | 9    | 5    | 1      | 3600.10.12 | 50                                                                                  |
| M 10x1.5 | M 16x1.5 | 18                                                                                   | 9    | 5    | 1      | 3600.10.17 | 50                                                                                  |
| M 12x1.5 | M 16x1.5 | 18                                                                                   | 9    | 5    | -      | 3600.12.17 | 50                                                                                  |
| M 12x1.5 | M 20x1.5 | 24                                                                                   | 10   | 5    | -      | 3600.12.20 | 50                                                                                  |
| M 16x1.5 | M 20x1.5 | 24                                                                                   | 10   | 5    | -      | 3600.17.20 | 50                                                                                  |
| M 20x1.5 | M 25x1.5 | 30                                                                                   | 11.5 | 6    | -      | 3600.20.25 | 25                                                                                  |
| M 25x1.5 | M 32x1.5 | 36                                                                                   | 14   | 7    | -      | 3600.25.32 | 25                                                                                  |
| M 32x1.5 | M 40x1.5 | 46                                                                                   | 14   | 8    | -      | 3600.32.40 | 25                                                                                  |
| M 40x1.5 | M 50x1.5 | 55                                                                                   | 16   | 8    | -      | 3600.40.50 | 10                                                                                  |
| M 50x1.5 | M 63x1.5 | 70                                                                                   | 17   | 9    | -      | 3600.50.63 | 10                                                                                  |
| M 63x1.5 | M 75x1.5 | 80                                                                                   | 18   | 10   | -      | 3600.63.75 | 10                                                                                  |

1 = METRIC COARSE-PITCH THREAD

### ROUND EXECUTION ENLARGING FITTINGS



MATERIAL: NICKEL-PLATED BRASS  
TEMPERATURE RANGE: -40°C / +200°C  
PROTECTION CLASS: IP 54  
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



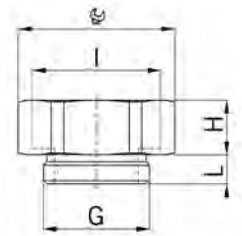
#### OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

| G        | I        | ØA mm | H mm | L mm | PART. NO.  |  |
|----------|----------|-------|------|------|------------|---------------------------------------------------------------------------------------|
| M 12x1.5 | M 16x1.5 | 19    | 9.5  | 6.5  | 3645.12.17 | 100                                                                                   |
| M 16x1.5 | M 20x1.5 | 22    | 10.5 | 7    | 3645.17.20 | 100                                                                                   |
| M 20x1.5 | M 25x1.5 | 27    | 11   | 8    | 3645.20.25 | 100                                                                                   |
| M 25x1.5 | M 32x1.5 | 34    | 12   | 8    | 3645.25.32 | 50                                                                                    |
| M 32x1.5 | M 40x1.5 | 42    | 12   | 9    | 3645.32.40 | 50                                                                                    |
| M 40x1.5 | M 50x1.5 | 53    | 14   | 9    | 3645.40.50 | 25                                                                                    |
| M 50x1.5 | M 63x1.5 | 66    | 19   | 10   | 3645.50.63 | 25                                                                                    |

## REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

### HEXAGONAL ENLARGING FITTINGS

MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

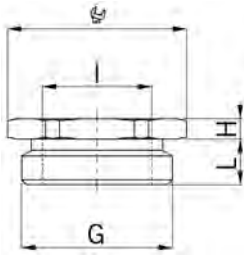
| G     | I     |  | H  | L  | PART. NO.     |  |
|-------|-------|-----------------------------------------------------------------------------------|----|----|---------------|-------------------------------------------------------------------------------------|
| PG 7  | PG 9  | 18                                                                                | 13 | 8  | 3607.09.08    | 50                                                                                  |
| PG 9  | PG 11 | 22                                                                                | 15 | 8  | 3609.11.08    | 50                                                                                  |
| PG 9  | PG 13 | 24                                                                                | 15 | 8  | 3609.13.08    | 50                                                                                  |
| PG 11 | PG 13 | 24                                                                                | 15 | 8  | 3611.13.08    | 50                                                                                  |
| PG 11 | PG 16 | 24                                                                                | 15 | 8  | 3611.16.08    | 50                                                                                  |
| PG 11 | PG 21 | 32                                                                                | 16 | 8  | 3611.21.08    | 50                                                                                  |
| PG 13 | PG 16 | 24                                                                                | 15 | 8  | 3613.16.08    | 50                                                                                  |
| PG 16 | PG 21 | 32                                                                                | 16 | 8  | 3616.21.08    | 25                                                                                  |
| PG 16 | PG 29 | 40                                                                                | 16 | 8  | 3616.29.08    | 25                                                                                  |
| PG 21 | PG 29 | 40                                                                                | 16 | 8  | 3621.29.08    | 25                                                                                  |
| PG 29 | PG 36 | 50                                                                                | 18 | 10 | 3629.36.08    | 20                                                                                  |
| PG 36 | PG 42 | 60                                                                                | 19 | 12 | 3636.42.08    | 10                                                                                  |
| PG 36 | PG 48 | 64                                                                                | 20 | 12 | 3636.48.48.08 | 10                                                                                  |





## ADAPTER NICKEL-PLATED BRASS

HEXAGONAL



MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD PG / WITH O-RING

| G       | I     |  mm | H mm | L mm | PART. NO.  |  |
|---------|-------|--------------------------------------------------------------------------------------|------|------|------------|-------------------------------------------------------------------------------------|
| M16x1.5 | PG 7  | 20                                                                                   | 3.0  | 7    | 3500.17.07 | 50                                                                                  |
| M20x1.5 | PG 7  | 24                                                                                   | 3.0  | 7    | 3500.20.07 | 50                                                                                  |
| M20x1.5 | PG 9  | 24                                                                                   | 3.0  | 7    | 3500.20.09 | 50                                                                                  |
| M20x1.5 | PG 11 | 24                                                                                   | 13.0 | 7    | 3500.20.11 | 50                                                                                  |
| M25x1.5 | PG 9  | 30                                                                                   | 3.5  | 8    | 3500.25.09 | 50                                                                                  |
| M25x1.5 | PG 11 | 30                                                                                   | 3.5  | 8    | 3500.25.11 | 50                                                                                  |
| M25x1.5 | PG 13 | 30                                                                                   | 3.8  | 8    | 3500.25.13 | 50                                                                                  |
| M25x1.5 | PG 16 | 30                                                                                   | 15.0 | 8    | 3500.25.16 | 25                                                                                  |
| M32x1.5 | PG 21 | 38                                                                                   | 16.0 | 8    | 3500.32.21 | 25                                                                                  |
| M40x1.5 | PG 29 | 45                                                                                   | 16.0 | 8    | 3500.40.29 | 10                                                                                  |
| M50x1.5 | PG 29 | 55                                                                                   | 4.0  | 10   | 3500.50.29 | 10                                                                                  |
| M63x1.5 | PG 36 | 70                                                                                   | 5.5  | 11   | 3500.63.36 | 10                                                                                  |



OUTER THREAD METRIC / INNER THREAD PG / WITH O-RING

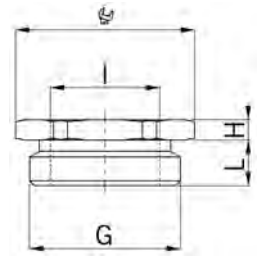
| G       | I     |  mm | H mm | L mm | i info | PART. NO.  |  |
|---------|-------|----------------------------------------------------------------------------------------|------|------|--------|------------|---------------------------------------------------------------------------------------|
| M10x1.5 | PG 7  | 16                                                                                     | 12   | 6    | 1      | 3600.10.07 | 50                                                                                    |
| M10x1.5 | PG 9  | 18                                                                                     | 12   | 6    | 1      | 3600.10.09 | 50                                                                                    |
| M12x1.5 | PG 9  | 18                                                                                     | 12   | 7    | -      | 3600.12.09 | 50                                                                                    |
| M16x1.5 | PG 11 | 22                                                                                     | 14   | 7    | -      | 3600.17.11 | 50                                                                                    |
| M20x1.5 | PG 13 | 24                                                                                     | 15   | 7    | -      | 3600.20.13 | 50                                                                                    |
| M20x1.5 | PG 16 | 24                                                                                     | 15   | 7    | -      | 3600.20.16 | 50                                                                                    |
| M25x1.5 | PG 21 | 32                                                                                     | 16   | 8    | -      | 3600.25.21 | 25                                                                                    |
| M32x1.5 | PG 29 | 40                                                                                     | 16   | 8    | -      | 3600.32.29 | 25                                                                                    |
| M40x1.5 | PG 36 | 50                                                                                     | 18   | 8    | -      | 3600.40.36 | 20                                                                                    |
| M50x1.5 | PG 42 | 60                                                                                     | 19   | 10   | -      | 3600.50.42 | 10                                                                                    |
| M50x1.5 | PG 48 | 64                                                                                     | 20   | 10   | -      | 3600.50.48 | 10                                                                                    |

1 = METRIC COARSE-PITCH THREAD

# ADAPTER NICKEL-PLATED BRASS

## HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



OUTER THREAD PG / INNER THREAD METRIC / WITH O-RING

| G            | I        |  mm | H mm | L mm | i info | PART. NO.         |  |
|--------------|----------|--------------------------------------------------------------------------------------|------|------|--------|-------------------|-------------------------------------------------------------------------------------|
| <b>PG 7</b>  | M 6x1.0  | 15                                                                                   | 3.0  | 6    | 1      | <b>3500.07.06</b> | 50                                                                                  |
| <b>PG 7</b>  | M 8x1.25 | 15                                                                                   | 3.0  | 6    | 1      | <b>3500.07.08</b> | 50                                                                                  |
| <b>PG 7</b>  | M 10x1.5 | 15                                                                                   | 7.0  | 6    | 1      | <b>3500.07.10</b> | 50                                                                                  |
| <b>PG 9</b>  | M 6x1.0  | 18                                                                                   | 3.0  | 6    | 1      | <b>3500.09.06</b> | 50                                                                                  |
| <b>PG 9</b>  | M 8x1.25 | 18                                                                                   | 3.0  | 6    | 1      | <b>3500.09.08</b> | 50                                                                                  |
| <b>PG 9</b>  | M 10x1.5 | 18                                                                                   | 3.0  | 6    | 1      | <b>3500.09.10</b> | 50                                                                                  |
| <b>PG 9</b>  | M 12x1.5 | 18                                                                                   | 8.0  | 6    | -      | <b>3500.09.12</b> | 50                                                                                  |
| <b>PG 11</b> | M 6x1.0  | 21                                                                                   | 3.0  | 6    | 1      | <b>3500.11.06</b> | 50                                                                                  |
| <b>PG 11</b> | M 8x1.25 | 21                                                                                   | 3.0  | 6    | 1      | <b>3500.11.08</b> | 50                                                                                  |
| <b>PG 11</b> | M 10x1.5 | 21                                                                                   | 3.0  | 6    | 1      | <b>3500.11.10</b> | 50                                                                                  |
| <b>PG 11</b> | M 12x1.5 | 21                                                                                   | 3.0  | 6    | -      | <b>3500.11.12</b> | 50                                                                                  |
| <b>PG 11</b> | M 16x1.5 | 21                                                                                   | 8.0  | 6    | -      | <b>3500.11.17</b> | 50                                                                                  |
| <b>PG 13</b> | M 12x1.5 | 24                                                                                   | 3.0  | 6    | -      | <b>3500.13.12</b> | 50                                                                                  |
| <b>PG 13</b> | M 16x1.5 | 24                                                                                   | 3.0  | 6    | -      | <b>3500.13.17</b> | 50                                                                                  |
| <b>PG 16</b> | M 12x1.5 | 24                                                                                   | 3.0  | 6    | -      | <b>3500.16.12</b> | 25                                                                                  |
| <b>PG 16</b> | M 16x1.5 | 24                                                                                   | 3.0  | 6    | -      | <b>3500.16.17</b> | 25                                                                                  |
| <b>PG 16</b> | M 20x1.5 | 24                                                                                   | 10.5 | 6    | -      | <b>3500.16.20</b> | 25                                                                                  |
| <b>PG 21</b> | M 16x1.5 | 30                                                                                   | 3.5  | 7.5  | -      | <b>3500.21.17</b> | 25                                                                                  |
| <b>PG 21</b> | M 20x1.5 | 30                                                                                   | 3.5  | 7.5  | -      | <b>3500.21.20</b> | 25                                                                                  |
| <b>PG 21</b> | M 25x1.5 | 30                                                                                   | 10.5 | 7.5  | -      | <b>3500.21.25</b> | 25                                                                                  |
| <b>PG 29</b> | M 25x1.5 | 38                                                                                   | 4.0  | 8    | -      | <b>3500.29.25</b> | 20                                                                                  |
| <b>PG 29</b> | M 32x1.5 | 38                                                                                   | 13.0 | 8    | -      | <b>3500.29.32</b> | 20                                                                                  |
| <b>PG 36</b> | M 32x1.5 | 50                                                                                   | 4.5  | 8    | -      | <b>3500.36.32</b> | 10                                                                                  |
| <b>PG 36</b> | M 40x1.5 | 50                                                                                   | 4.5  | 8    | -      | <b>3500.36.40</b> | 10                                                                                  |
| <b>PG 42</b> | M 32x1.5 | 55                                                                                   | 5.0  | 10   | -      | <b>3500.42.32</b> | 10                                                                                  |
| <b>PG 42</b> | M 40x1.5 | 55                                                                                   | 5.0  | 10   | -      | <b>3500.42.40</b> | 10                                                                                  |
| <b>PG 42</b> | M 50x1.5 | 55                                                                                   | 15.0 | 10   | -      | <b>3500.42.50</b> | 10                                                                                  |
| <b>PG 48</b> | M 40x1.5 | 65                                                                                   | 5.5  | 11   | -      | <b>3500.48.40</b> | 5                                                                                   |
| <b>PG 48</b> | M 50x1.5 | 65                                                                                   | 5.5  | 11   | -      | <b>3500.48.50</b> | 5                                                                                   |

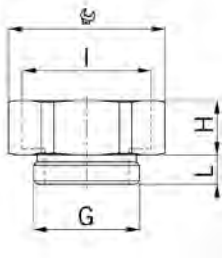


1 = METRIC COARSE-PITCH THREAD



## ADAPTER NICKEL-PLATED BRASS

### HEXAGONAL



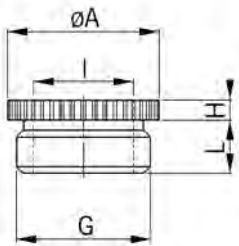
MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



#### OUTER THREAD Pg / INNER THREAD METRIC / WITH O-RING

| G            | I       |  mm | H mm | L mm | PART. NO.         |  |
|--------------|---------|--------------------------------------------------------------------------------------|------|------|-------------------|-------------------------------------------------------------------------------------|
| <b>Pg 7</b>  | M12x1.5 | 15                                                                                   | 9.0  | 6    | <b>3600.07.12</b> | 50                                                                                  |
| <b>Pg 7</b>  | M16x1.5 | 18                                                                                   | 9.0  | 6    | <b>3600.07.17</b> | 50                                                                                  |
| <b>Pg 9</b>  | M16x1.5 | 18                                                                                   | 9.5  | 6    | <b>3600.09.17</b> | 50                                                                                  |
| <b>Pg 9</b>  | M20x1.5 | 24                                                                                   | 10.5 | 6    | <b>3600.09.20</b> | 50                                                                                  |
| <b>Pg 11</b> | M20x1.5 | 24                                                                                   | 10.5 | 6    | <b>3600.11.20</b> | 50                                                                                  |
| <b>Pg 11</b> | M25x1.5 | 30                                                                                   | 11.5 | 6    | <b>3600.11.25</b> | 25                                                                                  |
| <b>Pg 13</b> | M20x1.5 | 24                                                                                   | 10.5 | 6    | <b>3600.13.20</b> | 50                                                                                  |
| <b>Pg 13</b> | M25x1.5 | 30                                                                                   | 11.5 | 6    | <b>3600.13.25</b> | 25                                                                                  |
| <b>Pg 16</b> | M25x1.5 | 30                                                                                   | 11.5 | 6    | <b>3600.16.25</b> | 25                                                                                  |
| <b>Pg 16</b> | M32x1.5 | 36                                                                                   | 13.5 | 6    | <b>3600.16.32</b> | 25                                                                                  |
| <b>Pg 21</b> | M32x1.5 | 36                                                                                   | 14.0 | 7.5  | <b>3600.21.32</b> | 25                                                                                  |
| <b>Pg 21</b> | M40x1.5 | 46                                                                                   | 14.0 | 7.5  | <b>3600.21.40</b> | 20                                                                                  |
| <b>Pg 29</b> | M40x1.5 | 46                                                                                   | 14.0 | 8    | <b>3600.29.40</b> | 20                                                                                  |
| <b>Pg 29</b> | M50x1.5 | 55                                                                                   | 16.0 | 8    | <b>3600.29.50</b> | 10                                                                                  |
| <b>Pg 36</b> | M50x1.5 | 55                                                                                   | 16.0 | 8    | <b>3600.36.50</b> | 10                                                                                  |
| <b>Pg 36</b> | M63x1.5 | 70                                                                                   | 17.0 | 8    | <b>3600.36.63</b> | 10                                                                                  |
| <b>Pg 42</b> | M63x1.5 | 70                                                                                   | 17.0 | 10   | <b>3600.42.63</b> | 10                                                                                  |
| <b>Pg 42</b> | M75x1.5 | 80                                                                                   | 18.0 | 10   | <b>3600.42.75</b> | 10                                                                                  |
| <b>Pg 48</b> | M63x1.5 | 70                                                                                   | 17.0 | 11   | <b>3600.48.63</b> | 10                                                                                  |
| <b>Pg 48</b> | M75x1.5 | 80                                                                                   | 18.0 | 11   | <b>3600.48.75</b> | 10                                                                                  |

### ROUND, KNURLED



MATERIAL: NICKEL-PLATED BRASS  
TEMPERATURE RANGE: -40°C / +200°C  
PROTECTION CLASS: IP 54  
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



#### OUTER THREAD Pg / INNER THREAD METRIC / WITHOUT O-RING

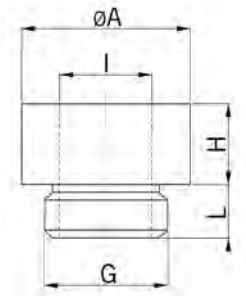
| G            | I       | ØA mm | H mm | L mm | PART. NO.         |  |
|--------------|---------|-------|------|------|-------------------|---------------------------------------------------------------------------------------|
| <b>Pg 11</b> | M16x1.5 | 20    | 10   | 6    | <b>3545.11.17</b> | 50                                                                                    |
| <b>Pg 16</b> | M20x1.5 | 24    | 11   | 6    | <b>3545.16.20</b> | 50                                                                                    |
| <b>Pg 21</b> | M20x1.5 | 30    | 3.5  | 7.5  | <b>3545.21.20</b> | 50                                                                                    |
| <b>Pg 21</b> | M25x1.5 | 30    | 11   | 7.5  | <b>3545.21.25</b> | 50                                                                                    |
| <b>Pg 29</b> | M25x1.5 | 39    | 4    | 8    | <b>3545.29.25</b> | 25                                                                                    |
| <b>Pg 29</b> | M32x1.5 | 39    | 4    | 8    | <b>3545.29.32</b> | 25                                                                                    |
| <b>Pg 36</b> | M40x1.5 | 50    | 4.5  | 8    | <b>3545.36.40</b> | 10                                                                                    |



## ADAPTER NICKEL-PLATED BRASS

### ROUND EXECUTION

MATERIAL: NICKEL-PLATED BRASS  
 TEMPERATURE RANGE: -40°C / +200°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



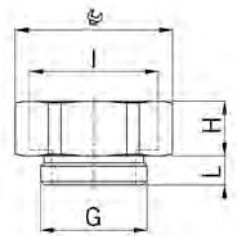
#### OUTER THREAD PG / INNER THREAD METRIC / WITHOUT O-RING

| G            | I       | ØA<br>mm | H<br>mm | L<br>mm | PART. NO.         |     |
|--------------|---------|----------|---------|---------|-------------------|-----|
| <b>Pg 7</b>  | M12x1.5 | 14       | 9       | 6       | <b>3645.07.12</b> | 100 |
| <b>Pg 9</b>  | M16x1.5 | 19       | 9.5     | 6       | <b>3645.09.17</b> | 50  |
| <b>Pg 11</b> | M20x1.5 | 22       | 11      | 6       | <b>3645.11.20</b> | 50  |
| <b>Pg 13</b> | M20x1.5 | 22       | 11      | 6       | <b>3645.13.20</b> | 50  |
| <b>Pg 16</b> | M25x1.5 | 27       | 11      | 6       | <b>3645.16.25</b> | 50  |
| <b>Pg 21</b> | M32x1.5 | 34       | 12      | 7.5     | <b>3645.21.32</b> | 50  |
| <b>Pg 29</b> | M40x1.5 | 42       | 12      | 8       | <b>3645.29.40</b> | 10  |



### HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### OUTER THREAD PG / INNER THREAD METRIC / WITH O-RING

| G            | I     | <br>mm | H<br>mm | L<br>mm | PART. NO.          |    |
|--------------|-------|--------|---------|---------|--------------------|----|
| <b>Pg 13</b> | G3/8" | 24     | 3       | 7       | <b>35133/8G</b>    | 50 |
| <b>Pg 16</b> | G1/2" | 24     | 14      | 10      | <b>36161/2G.08</b> | 50 |
| <b>Pg 21</b> | G3/4" | 32     | 14      | 12      | <b>36213/4G.08</b> | 25 |
| <b>Pg 36</b> | G 2"  | 64     | 20      | 12      | <b>3636.48.08</b>  | 10 |
| <b>Pg 42</b> | G 2"  | 64     | 20      | 15      | <b>3642.48.08</b>  | 10 |



#### OUTER THREAD GAS-PIPE / INNER THREAD PG / WITH O-RING

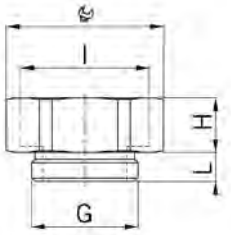
| G              | I     | <br>mm | H<br>mm | L<br>mm | PART. NO.         |    |
|----------------|-------|--------|---------|---------|-------------------|----|
| <b>G3/8"</b>   | Pg 7  | 20     | 3       | 10      | <b>353/8G.07</b>  | 50 |
| <b>G1/2"</b>   | Pg 9  | 24     | 3       | 9.5     | <b>351/2G.09</b>  | 50 |
| <b>G3/4"</b>   | Pg 9  | 30     | 3.5     | 11      | <b>353/4G.09</b>  | 50 |
| <b>G3/4"</b>   | Pg 11 | 30     | 3.5     | 11      | <b>353/4G.11</b>  | 50 |
| <b>G3/4"</b>   | Pg 16 | 32     | 3.5     | 11      | <b>353/4G.16</b>  | 50 |
| <b>G1"</b>     | Pg 21 | 38     | 3.5     | 11      | <b>351G.21</b>    | 25 |
| <b>G1 1/4"</b> | Pg 29 | 50     | 5       | 11      | <b>3511/4G.29</b> | 25 |
| <b>G2"</b>     | Pg 36 | 64     | 5       | 11      | <b>352G.36</b>    | 10 |
| <b>G2"</b>     | Pg 42 | 64     | 5       | 11      | <b>3548.42</b>    | 10 |





## ADAPTER NICKEL-PLATED BRASS

HEXAGONAL

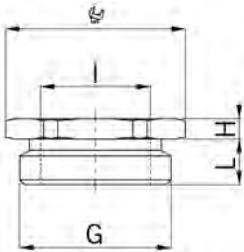


MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



OUTER THREAD GAS-PIPE / INNER THREAD PG / WITH O-RING

| G       | I     | <br>mm | H<br>mm | L<br>mm | PART. NO.      |  |
|---------|-------|-----------------------------------------------------------------------------------------|---------|---------|----------------|-------------------------------------------------------------------------------------|
| G3/8"   | PG 11 | 20                                                                                      | 12      | 10      | 363/8G.11.08   | 50                                                                                  |
| G1/2"   | PG 11 | 24                                                                                      | 12      | 10      | 361/2G.11.08   | 50                                                                                  |
| G1/2"   | PG 13 | 24                                                                                      | 12      | 10      | 361/2G.13.08   | 50                                                                                  |
| G1/2"   | PG 16 | 24                                                                                      | 12      | 10      | 361/2G.16.08   | 50                                                                                  |
| G5/8"   | PG 16 | 24                                                                                      | 12      | 10      | 365/8G.16.08   | 50                                                                                  |
| G3/4"   | PG 21 | 32                                                                                      | 15      | 12      | 363/4G.21.08   | 25                                                                                  |
| G7/8"   | PG 29 | 41                                                                                      | 15      | 12      | 367/8G.29.08   | 25                                                                                  |
| G1"     | PG 29 | 41                                                                                      | 15      | 11      | 361G.29.08     | 25                                                                                  |
| G1 1/2" | PG 36 | 54                                                                                      | 22      | 12      | 361 1/2G.36.08 | 10                                                                                  |



MATERIAL: NICKEL-PLATED BRASS  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68, IF THE ENTRY THREAD IS SEALED



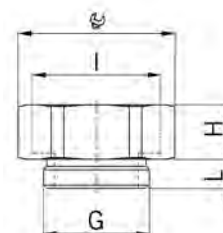
OUTER THREAD NPT / INNER THREAD PG / WITHOUT O-RING

| G       | I     | <br>mm | H<br>mm | L<br>mm | PART. NO.   |  |
|---------|-------|-------------------------------------------------------------------------------------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| NPT1/2" | PG 9  | 22                                                                                        | 4.5     | 20      | 351/2NPT.09 | 50                                                                                    |
| NPT3/4" | PG 11 | 30                                                                                        | 4       | 20      | 353/4NPT.11 | 10                                                                                    |
| NPT3/4" | PG 13 | 30                                                                                        | 4       | 20      | 353/4NPT.13 | 10                                                                                    |
| NPT 1"  | PG 16 | 36                                                                                        | 6       | 26      | 351NPT.16   | 10                                                                                    |

## ADAPTER NICKEL-PLATED BRASS

### HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD NPT / INNER THREAD PG / WITHOUT O-RING

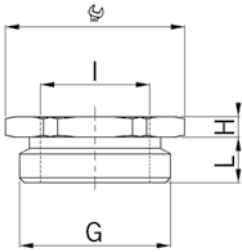
| G       | I     | <br>mm | H<br>mm | L<br>mm | PART. NO.   |  |
|---------|-------|-----------------------------------------------------------------------------------------|---------|---------|-------------|-------------------------------------------------------------------------------------|
| NPT1/2" | PG 11 | 24                                                                                      | 12      | 20      | 361/2NPT.11 | 50                                                                                  |
| NPT1/2" | PG 13 | 24                                                                                      | 14      | 20      | 361/2NPT.13 | 50                                                                                  |
| NPT1/2" | PG 16 | 34                                                                                      | 20      | 20      | 361/2NPT.16 | 50                                                                                  |
| NPT3/4" | PG 21 | 32                                                                                      | 14      | 20      | 363/4NPT.21 | 25                                                                                  |





## SYNTHETIC REDUCTION & ENLARGING FITTINGS

### HEXAGONAL REDUCTION FITTINGS

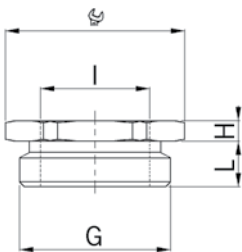


MATERIAL: POLYAMIDE PA 6  
TEMPERATURE RANGE: -30°C / +100°C  
PROTECTION CLASS: IP 54  
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD METRIC / INNER THREAD METRIC / LIGHT GREY RAL 7035

| G       | I       |  mm | H mm | L mm | PART. NO.  |  |
|---------|---------|--------------------------------------------------------------------------------------|------|------|------------|-------------------------------------------------------------------------------------|
| M16x1.5 | M12x1.5 | 22                                                                                   | 4    | 8    | 3455.17.12 | 100                                                                                 |
| M20x1.5 | M12x1.5 | 24                                                                                   | 4    | 8    | 3455.20.12 | 100                                                                                 |
| M20x1.5 | M16x1.5 | 24                                                                                   | 4    | 8    | 3455.20.17 | 100                                                                                 |
| M25x1.5 | M12x1.5 | 29                                                                                   | 6    | 8    | 3455.25.12 | 100                                                                                 |
| M25x1.5 | M16x1.5 | 29                                                                                   | 6    | 8    | 3455.25.17 | 100                                                                                 |
| M25x1.5 | M20x1.5 | 29                                                                                   | 6    | 8    | 3455.25.20 | 100                                                                                 |
| M32x1.5 | M12x1.5 | 36                                                                                   | 6    | 10   | 3455.32.12 | 50                                                                                  |
| M32x1.5 | M16x1.5 | 36                                                                                   | 6    | 10   | 3455.32.17 | 50                                                                                  |
| M32x1.5 | M20x1.5 | 36                                                                                   | 6    | 10   | 3455.32.20 | 50                                                                                  |
| M32x1.5 | M25x1.5 | 36                                                                                   | 6    | 10   | 3455.32.25 | 50                                                                                  |
| M40x1.5 | M16x1.5 | 46                                                                                   | 6    | 10   | 3455.40.17 | 50                                                                                  |
| M40x1.5 | M20x1.5 | 46                                                                                   | 6    | 10   | 3455.40.20 | 50                                                                                  |
| M40x1.5 | M25x1.5 | 46                                                                                   | 6    | 10   | 3455.40.25 | 25                                                                                  |
| M40x1.5 | M32x1.5 | 46                                                                                   | 6    | 10   | 3455.40.32 | 25                                                                                  |
| M50x1.5 | M20x1.5 | 55                                                                                   | 6    | 12   | 3455.50.20 | 5                                                                                   |
| M50x1.5 | M25x1.5 | 55                                                                                   | 6    | 12   | 3455.50.25 | 5                                                                                   |
| M50x1.5 | M32x1.5 | 55                                                                                   | 6    | 12   | 3455.50.32 | 5                                                                                   |
| M50x1.5 | M40x1.5 | 55                                                                                   | 6    | 12   | 3455.50.40 | 5                                                                                   |
| M63x1.5 | M25x1.5 | 68                                                                                   | 6    | 12   | 3455.63.25 | 5                                                                                   |
| M63x1.5 | M32x1.5 | 68                                                                                   | 6    | 12   | 3455.63.32 | 5                                                                                   |
| M63x1.5 | M40x1.5 | 68                                                                                   | 6    | 12   | 3455.63.40 | 5                                                                                   |
| M63x1.5 | M50x1.5 | 68                                                                                   | 6    | 12   | 3455.63.50 | 5                                                                                   |



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED  
TEMPERATURE RANGE: -20°C / +100°C  
PROTECTION CLASS: IP 54  
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



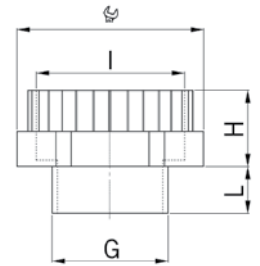
OUTER THREAD PG / INNER THREAD PG / LIGHT GREY

| G     | I     |  mm | H mm | L mm | PART. NO. |  |
|-------|-------|----------------------------------------------------------------------------------------|------|------|-----------|---------------------------------------------------------------------------------------|
| Pg 9  | Pg 7  | 19                                                                                     | 12   | 8    | 3409.07   | 50                                                                                    |
| Pg 11 | Pg 7  | 22                                                                                     | 3    | 8    | 3411.07   | 50                                                                                    |
| Pg 11 | Pg 9  | 22                                                                                     | 15   | 8    | 3411.09   | 50                                                                                    |
| Pg 13 | Pg 9  | 24                                                                                     | 3    | 9    | 3413.09   | 50                                                                                    |
| Pg 13 | Pg 11 | 24                                                                                     | 15   | 9    | 3413.11   | 50                                                                                    |
| Pg 16 | Pg 9  | 27                                                                                     | 5    | 9    | 3416.09   | 50                                                                                    |
| Pg 16 | Pg 11 | 27                                                                                     | 5    | 9    | 3416.11   | 50                                                                                    |
| Pg 16 | Pg 13 | 27                                                                                     | 17   | 10   | 3416.13   | 50                                                                                    |
| Pg 21 | Pg 13 | 32                                                                                     | 5    | 11   | 3421.13   | 25                                                                                    |
| Pg 21 | Pg 16 | 32                                                                                     | 5    | 11   | 3421.16   | 25                                                                                    |
| Pg 29 | Pg 21 | 41                                                                                     | 6    | 12   | 3429.21   | 10                                                                                    |
| Pg 36 | Pg 29 | 50                                                                                     | 6    | 14   | 3436.29   | 10                                                                                    |

## SYNTHETIC REDUCTION & ENLARGING FITTINGS

### ROUND WITH HEXAGON ENLARGING FITTINGS

MATERIAL: POLYAMIDE PA 6  
 TEMPERATURE RANGE: -30°C / +100°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED

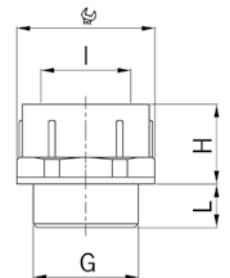


OUTER THREAD METRIC / INNER THREAD METRIC / LIGHT GREY RAL 7035

| G       | I       |  | H  | L  | PART. NO.  |  |
|---------|---------|-----------------------------------------------------------------------------------|----|----|------------|-------------------------------------------------------------------------------------|
| M12x1.5 | M16x1.5 | 20                                                                                | 13 | 8  | 3755.12.17 | 100                                                                                 |
| M16x1.5 | M20x1.5 | 24                                                                                | 13 | 8  | 3755.17.20 | 100                                                                                 |
| M20x1.5 | M25x1.5 | 29                                                                                | 13 | 8  | 3755.20.25 | 100                                                                                 |
| M25x1.5 | M32x1.5 | 36                                                                                | 15 | 8  | 3755.25.32 | 50                                                                                  |
| M32x1.5 | M40x1.5 | 46                                                                                | 15 | 10 | 3755.32.40 | 25                                                                                  |
| M40x1.5 | M50x1.5 | 55                                                                                | 15 | 10 | 3755.40.50 | 10                                                                                  |
| M50x1.5 | M63x1.5 | 68                                                                                | 15 | 10 | 3755.50.63 | 10                                                                                  |



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED  
 TEMPERATURE RANGE: -20°C / +100°C  
 PROTECTION CLASS: IP 54, IP 68 IF THE THREAD IS SEALED



OUTER THREAD PG / INNER THREAD PG / LIGHT GREY

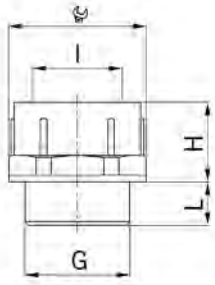
| G     | I     |  | H  | L  | PART. NO. |  |
|-------|-------|-------------------------------------------------------------------------------------|----|----|-----------|---------------------------------------------------------------------------------------|
| PG 7  | PG 9  | 19                                                                                  | 18 | 7  | 3707.09   | 50                                                                                    |
| PG 9  | PG 11 | 22                                                                                  | 19 | 7  | 3709.11   | 50                                                                                    |
| PG 11 | PG 13 | 24                                                                                  | 21 | 8  | 3711.13   | 50                                                                                    |
| PG 13 | PG 16 | 27                                                                                  | 23 | 9  | 3713.16   | 50                                                                                    |
| PG 16 | PG 21 | 32                                                                                  | 26 | 9  | 3716.21   | 25                                                                                    |
| PG 21 | PG 29 | 41                                                                                  | 33 | 10 | 3721.29   | 25                                                                                    |
| PG 29 | PG 36 | 55                                                                                  | 39 | 12 | 3729.36   | 10                                                                                    |
| PG 36 | PG 42 | 60                                                                                  | 46 | 14 | 3736.42   | 10                                                                                    |
| PG 42 | PG 48 | 65                                                                                  | 39 | 16 | 3742.48   | 10                                                                                    |





## SYNTHETIC ADAPTER

ROUND WITH HEXAGON



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED  
TEMPERATURE RANGE: -20°C / +100°C  
PROTECTION CLASS: IP 54  
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD METRIC / INNER THREAD PG / LIGHT GREY

| G       | I     | <br>mm | H<br>mm | L<br>mm | PART. NO. |  |
|---------|-------|-----------------------------------------------------------------------------------------|---------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | PG 9  | 19                                                                                      | 13      | 11      | 3712.09   | 50                                                                                  |
| M20x1.5 | PG 13 | 24                                                                                      | 15      | 11      | 3720.13   | 50                                                                                  |
| M20x1.5 | PG 16 | 27                                                                                      | 17      | 11      | 3720.16   | 50                                                                                  |
| M25x1.5 | PG 21 | 33                                                                                      | 20      | 11      | 3725.21   | 25                                                                                  |
| M32x1.5 | PG 29 | 42                                                                                      | 22      | 11      | 3732.29   | 25                                                                                  |
| M50x1.5 | PG 42 | 60                                                                                      | 28      | 11      | 3750.42   | 10                                                                                  |

HEXAGONAL



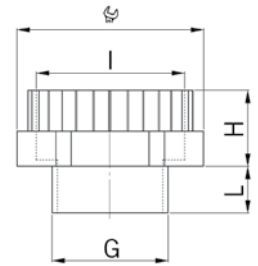
OUTER THREAD METRIC / INNER THREAD PG / LIGHT GREY

| G       | I     | <br>mm | H<br>mm | L<br>mm | PART. NO. |  |
|---------|-------|-------------------------------------------------------------------------------------------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| M16x1.5 | PG 9  | 19                                                                                        | 14      | 11      | 3417.09   | 50                                                                                    |
| M20x1.5 | PG 11 | 22                                                                                        | 16      | 11      | 3420.11   | 50                                                                                    |
| M25x1.5 | PG 16 | 27                                                                                        | 18      | 11      | 3425.16   | 50                                                                                    |
| M40x1.5 | PG 29 | 42                                                                                        | 23      | 11      | 3440.29   | 25                                                                                    |
| M50x1.5 | PG 36 | 53                                                                                        | 26      | 11      | 3450.36   | 10                                                                                    |
| M63x1.5 | PG 48 | 65                                                                                        | 29      | 11      | 3463.48   | 5                                                                                     |

## SYNTHETIC ADAPTER

ROUND WITH HEXAGON

MATERIAL: POLYAMIDE PA 6  
 TEMPERATURE RANGE: -30°C / +100°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD Pg / INNER THREAD METRIC / LIGHT GREY RAL 7035

| G            | I       |  mm | H mm | L mm | PART. NO.         |  |
|--------------|---------|--------------------------------------------------------------------------------------|------|------|-------------------|-------------------------------------------------------------------------------------|
| <b>Pg 7</b>  | M12x1.5 | 15                                                                                   | 12   | 8    | <b>3755.07.12</b> | 100                                                                                 |
| <b>Pg 7</b>  | M16x1.5 | 20                                                                                   | 12   | 8    | <b>3755.07.17</b> | 100                                                                                 |
| <b>Pg 9</b>  | M16x1.5 | 20                                                                                   | 12   | 8    | <b>3755.09.17</b> | 100                                                                                 |
| <b>Pg 9</b>  | M20x1.5 | 24                                                                                   | 12   | 8    | <b>3755.09.20</b> | 100                                                                                 |
| <b>Pg 11</b> | M20x1.5 | 24                                                                                   | 12   | 8    | <b>3755.11.20</b> | 100                                                                                 |
| <b>Pg 13</b> | M25x1.5 | 30                                                                                   | 13   | 9    | <b>3755.13.25</b> | 100                                                                                 |
| <b>Pg 16</b> | M25x1.5 | 30                                                                                   | 13   | 10   | <b>3755.16.25</b> | 50                                                                                  |
| <b>Pg 21</b> | M32x1.5 | 37                                                                                   | 14   | 11   | <b>3755.21.32</b> | 50                                                                                  |
| <b>Pg 29</b> | M40x1.5 | 45                                                                                   | 14   | 11   | <b>3755.29.40</b> | 50                                                                                  |
| <b>Pg 42</b> | M50x1.5 | 55                                                                                   | 17   | 11   | <b>3755.42.50</b> | 10                                                                                  |
| <b>Pg 48</b> | M63x1.5 | 68                                                                                   | 17   | 11   | <b>3755.48.63</b> | 5                                                                                   |



OUTER THREAD Pg / INNER THREAD METRIC / LIGHT GREY RAL 7035

| G            | I       |  mm | H mm | L mm | PART. NO.         |  |
|--------------|---------|----------------------------------------------------------------------------------------|------|------|-------------------|---------------------------------------------------------------------------------------|
| <b>Pg 9</b>  | M12x1.5 | 19                                                                                     | 12   | 8    | <b>3455.09.12</b> | 100                                                                                   |
| <b>Pg 11</b> | M16x1.5 | 22                                                                                     | 12   | 8    | <b>3455.11.17</b> | 100                                                                                   |
| <b>Pg 13</b> | M16x1.5 | 24                                                                                     | 13   | 9    | <b>3455.13.17</b> | 100                                                                                   |
| <b>Pg 13</b> | M20x1.5 | 24                                                                                     | 13   | 9    | <b>3455.13.20</b> | 100                                                                                   |
| <b>Pg 16</b> | M20x1.5 | 27                                                                                     | 13   | 10   | <b>3455.16.20</b> | 50                                                                                    |
| <b>Pg 21</b> | M25x1.5 | 33                                                                                     | 14   | 11   | <b>3455.21.25</b> | 50                                                                                    |
| <b>Pg 29</b> | M32x1.5 | 42                                                                                     | 14   | 11   | <b>3455.29.32</b> | 50                                                                                    |
| <b>Pg 36</b> | M40x1.5 | 55                                                                                     | 14   | 11   | <b>3455.36.40</b> | 25                                                                                    |

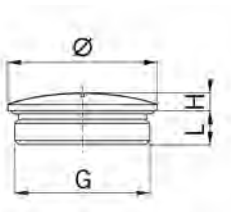






## LOCKING PLUGS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS  
O-RING: NBR  
TEMPERATURE RANGE: -40°C / +100°C  
PROTECTION CLASS: IP 68



ROUND EXECUTION / WITH O-RING

| G       | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO. |  |
|---------|---------|---------|---------|-----------|-----------|-------------------------------------------------------------------------------------|
| M6x1.0  | 9       | 3       | 5       | 1         | 8706.08   | 50                                                                                  |
| M8x1.25 | 10      | 3       | 5       | 1         | 8708.08   | 50                                                                                  |
| M10x1.5 | 12      | 3       | 5       | 1         | 8710.08   | 50                                                                                  |
| M12x1.5 | 14      | 3       | 5       | -         | 8712.08   | 50                                                                                  |
| M16x1.5 | 19      | 3       | 5       | -         | 8717.08   | 50                                                                                  |
| M20x1.5 | 24      | 3       | 6       | -         | 8720.08   | 25                                                                                  |
| M25x1.5 | 28      | 4       | 7       | -         | 8725.08   | 25                                                                                  |
| M32x1.5 | 35      | 4       | 8       | -         | 8732.08   | 10                                                                                  |
| M40x1.5 | 45      | 6       | 8       | -         | 8740.08   | 10                                                                                  |
| M50x1.5 | 55      | 6       | 9       | -         | 8750.08   | 10                                                                                  |
| M63x1.5 | 70      | 6       | 10      | -         | 8763.08   | 10                                                                                  |
| M75x1.5 | 80      | 6       | 11      | -         | 8775.08   | 5                                                                                   |

1 = METRIC COARSE-PITCH THREAD

LONG ENTRY THREAD METRIC



ROUND EXECUTION / WITH O-RING

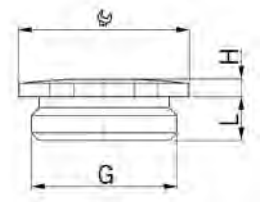
| G       | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.  |  |
|---------|---------|---------|---------|-----------|------------|---------------------------------------------------------------------------------------|
| M6x1.0  | 9       | 3       | 8       | 1         | 8706.11.08 | 50                                                                                    |
| M8x1.25 | 10      | 3       | 10      | 1         | 8708.11.08 | 50                                                                                    |
| M10x1.5 | 12      | 3       | 10      | 1         | 8710.11.08 | 50                                                                                    |
| M12x1.5 | 14      | 3       | 10      | -         | 8712.11.08 | 50                                                                                    |
| M16x1.5 | 19      | 3       | 10      | -         | 8717.11.08 | 50                                                                                    |
| M20x1.5 | 24      | 3       | 10      | -         | 8720.11.08 | 25                                                                                    |
| M25x1.5 | 28      | 4       | 11      | -         | 8725.11.08 | 25                                                                                    |
| M32x1.5 | 35      | 4       | 13      | -         | 8732.11.08 | 10                                                                                    |
| M40x1.5 | 45      | 6       | 13      | -         | 8740.11.08 | 10                                                                                    |
| M50x1.5 | 55      | 6       | 14      | -         | 8750.11.08 | 10                                                                                    |
| M63x1.5 | 70      | 6       | 15      | -         | 8763.11.08 | 10                                                                                    |
| M75x1.5 | 80      | 6       | 15      | -         | 8775.11.08 | 5                                                                                     |

1 = METRIC COARSE-PITCH THREAD

## LOCKING PLUGS NICKEL-PLATED BRASS

### SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS  
 TEMPERATURE RANGE: -40°C / +200°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



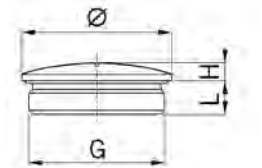
#### HEXAGONAL DESIGN / WITHOUT O-RING

| G       |  | H   | L  | PART. NO. |  |
|---------|-----------------------------------------------------------------------------------|-----|----|-----------|-------------------------------------------------------------------------------------|
| mm      | mm                                                                                | mm  |    |           |                                                                                     |
| M12x1.5 | 14                                                                                | 2.5 | 5  | 8745.12   | 100                                                                                 |
| M16x1.5 | 18                                                                                | 2.5 | 5  | 8745.17   | 100                                                                                 |
| M20x1.5 | 22                                                                                | 2.5 | 6  | 8745.20   | 100                                                                                 |
| M25x1.5 | 27                                                                                | 3.0 | 7  | 8745.25   | 50                                                                                  |
| M32x1.5 | 34                                                                                | 3.5 | 8  | 8745.32   | 25                                                                                  |
| M40x1.5 | 42                                                                                | 4.0 | 8  | 8745.40   | 25                                                                                  |
| M50x1.5 | 52                                                                                | 4.0 | 9  | 8745.50   | 10                                                                                  |
| M63x1.5 | 65                                                                                | 4.0 | 10 | 8745.63   | 10                                                                                  |



### SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS  
 O-RING: NBR  
 TEMPERATURE RANGE: -40°C / +100°C  
 PROTECTION CLASS: IP 68



#### ROUND EXECUTION / WITH O-RING

| G     | Ø  | H  | L   | PART. NO.  |  |
|-------|----|----|-----|------------|---------------------------------------------------------------------------------------|
| mm    | mm | mm | mm  |            |                                                                                       |
| Pg 7  | 14 | 3  | 5   | 8707.08    | 100                                                                                   |
| Pg 9  | 17 | 3  | 6   | 8709.08    | 100                                                                                   |
| Pg 11 | 20 | 3  | 6   | 8711.08    | 100                                                                                   |
| Pg 13 | 22 | 3  | 6.5 | 8713.08    | 50                                                                                    |
| Pg 16 | 24 | 3  | 6.5 | 8716.08    | 50                                                                                    |
| Pg 21 | 30 | 4  | 7   | 8721.08    | 10                                                                                    |
| Pg 29 | 39 | 4  | 8   | 8729.08    | 10                                                                                    |
| Pg 36 | 50 | 6  | 9   | 8736.08    | 10                                                                                    |
| Pg 42 | 60 | 6  | 10  | 8742.08    | 10                                                                                    |
| Pg 48 | 65 | 6  | 10  | 8748.48.08 | 10                                                                                    |
| G 2"  | 65 | 6  | 10  | 8748.08    | 10                                                                                    |



### LONG ENTRY THREAD PG

#### ROUND EXECUTION / WITH O-RING

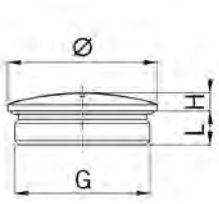
| G     | Ø  | H  | L  | PART. NO.  |  |
|-------|----|----|----|------------|---------------------------------------------------------------------------------------|
| mm    | mm | mm | mm |            |                                                                                       |
| Pg 7  | 14 | 3  | 10 | 8707.11.08 | 100                                                                                   |
| Pg 9  | 17 | 3  | 10 | 8709.11.08 | 100                                                                                   |
| Pg 11 | 20 | 3  | 10 | 8711.11.08 | 100                                                                                   |
| Pg 13 | 22 | 3  | 10 | 8713.11.08 | 50                                                                                    |
| Pg 16 | 24 | 3  | 10 | 8716.11.08 | 50                                                                                    |
| Pg 21 | 30 | 4  | 12 | 8721.11.08 | 10                                                                                    |
| Pg 29 | 39 | 4  | 12 | 8729.11.08 | 10                                                                                    |
| Pg 36 | 50 | 6  | 15 | 8736.11.08 | 10                                                                                    |
| G 2"  | 65 | 6  | 15 | 8748.11.08 | 10                                                                                    |





## LOCKING PLUGS STAINLESS STEEL A2

### ROUND EXECUTION



MATERIAL: CRNI STAINLESS STEEL A2  
(DIN EN 1.4305 / AISI 303)

O-RING : NBR

TEMPERATURE RANGE: -40°C / +100°C

PROTECTION CLASS: IP 68



#### SHORT ENTRY THREAD METRIC / WITH O-RING

| G       | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.     |  |
|---------|---------|---------|---------|-----------|---------------|-------------------------------------------------------------------------------------|
| M10x1.5 | 12      | 3       | 5       | 1         | 8710.96.08.70 | 50                                                                                  |
| M12x1.5 | 14      | 3       | 5       | -         | 8712.96.08.70 | 50                                                                                  |
| M16x1.5 | 19      | 3       | 5       | -         | 8717.96.08.70 | 50                                                                                  |
| M20x1.5 | 24      | 3       | 6       | -         | 8720.96.08.70 | 25                                                                                  |
| M25x1.5 | 28      | 4       | 7       | -         | 8725.96.08.70 | 25                                                                                  |
| M32x1.5 | 35      | 4       | 8       | -         | 8732.96.08.70 | 10                                                                                  |
| M40x1.5 | 45      | 6       | 8       | -         | 8740.96.08.70 | 10                                                                                  |
| M50x1.5 | 55      | 6       | 9       | -         | 8750.96.08.70 | 10                                                                                  |
| M63x1.5 | 70      | 6       | 10      | -         | 8763.96.08.70 | 10                                                                                  |
| M75x1.5 | 80      | 6       | 11      | -         | 8775.96.08.70 | 5                                                                                   |

1 = METRIC COARSE-PITCH THREAD

#### AVAILABLE ON REQUEST:

ENTRY THREAD Pg



#### LONG ENTRY THREAD METRIC / WITH O-RING

| G       | Ø<br>mm | H<br>mm | L<br>mm | i<br>info | PART. NO.        |  |
|---------|---------|---------|---------|-----------|------------------|---------------------------------------------------------------------------------------|
| M10x1.5 | 12      | 3       | 10      | 1         | 8710.96.11.08.70 | 50                                                                                    |
| M12x1.5 | 14      | 3       | 10      | -         | 8712.96.11.08.70 | 50                                                                                    |
| M16x1.5 | 19      | 3       | 10      | -         | 8717.96.11.08.70 | 50                                                                                    |
| M20x1.5 | 24      | 3       | 10      | -         | 8720.96.11.08.70 | 25                                                                                    |
| M25x1.5 | 28      | 4       | 11      | -         | 8725.96.11.08.70 | 25                                                                                    |
| M32x1.5 | 35      | 4       | 13      | -         | 8732.96.11.08.70 | 10                                                                                    |
| M40x1.5 | 45      | 6       | 13      | -         | 8740.96.11.08.70 | 10                                                                                    |
| M50x1.5 | 55      | 6       | 14      | -         | 8750.96.11.08.70 | 10                                                                                    |
| M63x1.5 | 70      | 6       | 15      | -         | 8763.96.11.08.70 | 10                                                                                    |
| M75x1.5 | 80      | 6       | 15      | -         | 8775.96.11.08.70 | 5                                                                                     |

1 = METRIC COARSE-PITCH THREAD

#### AVAILABLE ON REQUEST:

ENTRY THREAD Pg

# LOCKING PLUGS STAINLESS STEEL A2

## FOR HIGH TEMPERATURE APPLICATIONS

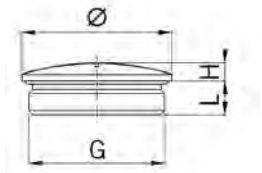
### ROUND EXECUTION

MATERIAL: CRNI STAINLESS STEEL A2  
(DIN EN 1.4305 / AISI 303)

O-RING: FPM

TEMPERATURE RANGE: -40°C / +200°C

PROTECTION CLASS: IP 68



#### SHORT ENTRY THREAD METRIC / WITH O-RING

| G       | Ø  | H  | L  | i    | PART. NO.  |    |
|---------|----|----|----|------|------------|----|
| mm      | mm | mm | mm | info |            |    |
| M10x1.5 | 12 | 3  | 5  | 1    | 8710.96.08 | 50 |
| M12x1.5 | 14 | 3  | 5  | -    | 8712.96.08 | 50 |
| M16x1.5 | 19 | 3  | 5  | -    | 8717.96.08 | 50 |
| M20x1.5 | 24 | 3  | 6  | -    | 8720.96.08 | 25 |
| M25x1.5 | 28 | 4  | 7  | -    | 8725.96.08 | 25 |
| M32x1.5 | 35 | 4  | 8  | -    | 8732.96.08 | 10 |
| M40x1.5 | 45 | 6  | 8  | -    | 8740.96.08 | 10 |
| M50x1.5 | 55 | 6  | 9  | -    | 8750.96.08 | 10 |
| M63x1.5 | 70 | 6  | 10 | -    | 8763.96.08 | 10 |
| M75x1.5 | 80 | 6  | 11 | -    | 8775.96.08 | 5  |



1 = METRIC COARSE-PITCH THREAD

#### AVAILABLE ON REQUEST:

ENTRY THREAD Pg

#### LONG ENTRY THREAD METRIC / WITH O-RING

| G       | Ø  | H  | L  | i    | PART. NO.     |    |
|---------|----|----|----|------|---------------|----|
| mm      | mm | mm | mm | info |               |    |
| M10x1.5 | 12 | 3  | 10 | 1    | 8710.96.11.08 | 50 |
| M12x1.5 | 14 | 3  | 10 | -    | 8712.96.11.08 | 50 |
| M16x1.5 | 19 | 3  | 10 | -    | 8717.96.11.08 | 50 |
| M20x1.5 | 24 | 3  | 10 | -    | 8720.96.11.08 | 25 |
| M25x1.5 | 28 | 4  | 11 | -    | 8725.96.11.08 | 25 |
| M32x1.5 | 35 | 4  | 13 | -    | 8732.96.11.08 | 10 |
| M40x1.5 | 45 | 6  | 13 | -    | 8740.96.11.08 | 10 |
| M50x1.5 | 55 | 6  | 14 | -    | 8750.96.11.08 | 10 |
| M63x1.5 | 70 | 6  | 15 | -    | 8763.96.11.08 | 10 |
| M75x1.5 | 80 | 6  | 15 | -    | 8775.96.11.08 | 5  |



1 = METRIC COARSE-PITCH THREAD

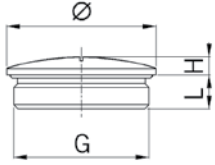
#### AVAILABLE ON REQUEST:

ENTRY THREAD Pg



## SYNTHETIC LOCKING PLUGS

### METRIC THREAD



MATERIAL: POLYAMIDE PA 6  
 TEMPERATURE RANGE: -30°C / +100°C  
 PROTECTION CLASS: IP 54  
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



LIGHT GREY RAL 7035 / WITHOUT O-RING

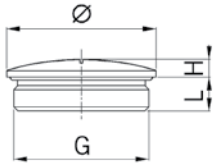
| G       | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |  |
|---------|---------|---------|---------|-----------|-------------------------------------------------------------------------------------|
| M12x1.5 | 15      | 4.5     | 6       | 8855.12   | 100                                                                                 |
| M16x1.5 | 20      | 4.5     | 6       | 8855.17   | 100                                                                                 |
| M20x1.5 | 24      | 4.5     | 6       | 8855.20   | 100                                                                                 |
| M25x1.5 | 30      | 5.0     | 8       | 8855.25   | 100                                                                                 |
| M32x1.5 | 37      | 5.5     | 8       | 8855.32   | 50                                                                                  |
| M40x1.5 | 46      | 6.0     | 8       | 8855.40   | 50                                                                                  |
| M50x1.5 | 56      | 6.0     | 10      | 8855.50   | 10                                                                                  |
| M63x1.5 | 70      | 6.0     | 12      | 8855.63   | 10                                                                                  |



BLACK RAL 9005 / WITHOUT O-RING

| G       | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |  |
|---------|---------|---------|---------|-----------|--------------------------------------------------------------------------------------|
| M12x1.5 | 15      | 4.5     | 6       | 8845.12   | 100                                                                                  |
| M16x1.5 | 20      | 4.5     | 6       | 8845.17   | 100                                                                                  |
| M20x1.5 | 24      | 4.5     | 6       | 8845.20   | 100                                                                                  |
| M25x1.5 | 30      | 5.0     | 8       | 8845.25   | 100                                                                                  |
| M32x1.5 | 37      | 5.5     | 8       | 8845.32   | 50                                                                                   |
| M40x1.5 | 46      | 6.0     | 8       | 8845.40   | 50                                                                                   |
| M50x1.5 | 56      | 6.0     | 10      | 8845.50   | 10                                                                                   |
| M63x1.5 | 70      | 6.0     | 12      | 8845.63   | 10                                                                                   |

### ENTRY THREAD PG



MATERIAL: SHOCK-RESISTANT POLYSTYRENE  
 TEMPERATURE RANGE: -20°C / +80°C  
 PROTECTION CLASS: IP 54, IP 68 IF THE THREAD IS SEALED



LIGHT GREY RAL 7035 / WITHOUT O-RING

| G     | Ø<br>mm | H<br>mm | L<br>mm | PART. NO. |  |
|-------|---------|---------|---------|-----------|---------------------------------------------------------------------------------------|
| Pg 7  | 15      | 2.0     | 6.0     | 8807      | 100                                                                                   |
| Pg 9  | 19      | 3.0     | 6.5     | 8809      | 100                                                                                   |
| Pg 11 | 22      | 3.5     | 6.5     | 8811      | 100                                                                                   |
| Pg 13 | 25      | 3.5     | 6.5     | 8813      | 100                                                                                   |
| Pg 16 | 27      | 3.5     | 6.5     | 8816      | 100                                                                                   |
| Pg 21 | 33      | 4.0     | 8.0     | 8821      | 100                                                                                   |
| Pg 29 | 44      | 4.0     | 8.0     | 8829      | 50                                                                                    |
| Pg 36 | 55      | 4.0     | 10.0    | 8836      | 25                                                                                    |
| Pg 42 | 62      | 4.0     | 10.0    | 8842      | 10                                                                                    |
| Pg 48 | 69      | 4.0     | 12.0    | 8848.48   | 25                                                                                    |

## SOLID RUBBER SEALING INSERTS

### SUITABLE FOR CABLE GLANDS PROGRESS®

MATERIAL: NBR  
TEMPERATURE RANGE: -40°C / +100°C

SHORT SEALING INSERT WITHOUT DRILLED HOLE

| G                   |  mm | PART. NO.      |  |
|---------------------|--------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|
| M6                  | 3.5                                                                                  | 1000.06.30.03  | 1                                                                                   |
| M8                  | 5.0                                                                                  | 1000.08.30.03  | 1                                                                                   |
| M10                 | 6.0                                                                                  | 1000.10.30.03  | 1                                                                                   |
| Pg 11               | 12.0                                                                                 | 1000.11.30.03  | 1                                                                                   |
| M12 / Pg 7          | 8.0                                                                                  | 1000.12.30.03  | 1                                                                                   |
| M16 / Pg 9          | 10.5                                                                                 | 1000.17.30.03  | 1                                                                                   |
| M20 / Pg 13 / Pg 16 | 15.0                                                                                 | 1000.20.30.03  | 1                                                                                   |
| M25 / Pg 21         | 20.5                                                                                 | 1000.25.30.03  | 1                                                                                   |
| Pg 29               | 27.5                                                                                 | 1000.29.30.03  | 1                                                                                   |
| M32                 | 25.5                                                                                 | 1000.32.30.03  | 1                                                                                   |
| Pg 36               | 35.0                                                                                 | 1000.36.30.03  | 1                                                                                   |
| M40                 | 33.0                                                                                 | 1000.40.30.03  | 1                                                                                   |
| Pg 48               | 49.0                                                                                 | 1000.48.30.03  | 1                                                                                   |
| M50 / Pg 42         | 42.0                                                                                 | 1000.50.30.03  | 1                                                                                   |
| M63                 | 52.0                                                                                 | 1000.63.30.03  | 1                                                                                   |
| M75                 | 63.0                                                                                 | 1000.75.30.03  | 1                                                                                   |
| M85                 | 70.0                                                                                 | 1000.085.30.03 | 1                                                                                   |
| M95                 | 80.0                                                                                 | 1000.095.30.03 | 1                                                                                   |
| M100                | 85.0                                                                                 | 1000.100.30.03 | 1                                                                                   |
| M105                | 90.0                                                                                 | 1000.105.30.03 | 1                                                                                   |
| M115                | 95.0                                                                                 | 1000.115.30.03 | 1                                                                                   |



#### TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

### FOR HIGH-TEMPERATURE APPLICATIONS

MATERIAL: FPM  
TEMPERATURE RANGE: -40°C / +200°C

SHORT SEALING INSERT WITHOUT DRILLED HOLE

| G           |  mm | PART. NO.        |  |
|-------------|----------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| M6          | 3.5                                                                                    | 1000.06.98.30.03 | 1                                                                                     |
| M8          | 5.0                                                                                    | 1000.08.98.30.03 | 1                                                                                     |
| M10         | 6.0                                                                                    | 1000.10.98.30.03 | 1                                                                                     |
| Pg 11       | 12.0                                                                                   | 1000.11.98.30.03 | 1                                                                                     |
| M12 / Pg 7  | 8.0                                                                                    | 1000.12.98.30.03 | 1                                                                                     |
| M16 / Pg 9  | 10.5                                                                                   | 1000.17.98.30.03 | 1                                                                                     |
| M20 / Pg 16 | 15.0                                                                                   | 1000.20.98.30.03 | 1                                                                                     |
| M25 / Pg 21 | 20.5                                                                                   | 1000.25.98.30.03 | 1                                                                                     |
| Pg 29       | 27.5                                                                                   | 1000.29.98.30.03 | 1                                                                                     |
| M32         | 25.5                                                                                   | 1000.32.98.30.03 | 1                                                                                     |
| Pg 36       | 35.0                                                                                   | 1000.36.98.30.03 | 1                                                                                     |
| M40 / Pg 29 | 33.0                                                                                   | 1000.40.98.30.03 | 1                                                                                     |
| Pg 48       | 49.0                                                                                   | 1000.48.98.30.03 | 1                                                                                     |
| M50 / Pg 42 | 42.0                                                                                   | 1000.50.98.30.03 | 1                                                                                     |
| M63         | 52.0                                                                                   | 1000.63.98.30.03 | 1                                                                                     |



#### TECHNICAL NOTE

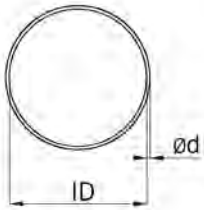
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.



## O-RINGS & SEALING WASHERS

### SUITABLE FOR CABLE GLANDS PROGRESS®

#### O-RINGS



MATERIAL: NBR  
TEMPERATURE RANGE: -40°C / +100°C



SUITABLE FOR ENTRY THREAD METRIC OR PG

| G     | G     | Øl<br>mm | Ød<br>mm | PART. NO.     |  |
|-------|-------|----------|----------|---------------|-------------------------------------------------------------------------------------|
| M 6   | -     | 5.0      | 1.0      | 1005.00.08    | 1                                                                                   |
| M 8   | -     | 6.0      | 1.5      | 1006.00.08    | 1                                                                                   |
| M10   | -     | 8.1      | 1.6      | 1006.06.08    | 1                                                                                   |
| M12   | PG 7  | 10.0     | 1.5      | 1007.00.08    | 1                                                                                   |
| M16   | PG 9  | 13.1     | 1.6      | 1000.09.00.08 | 1                                                                                   |
| M20   | -     | 17.0     | 2.0      | 2111.00.08    | 1                                                                                   |
| M25   | -     | 22.0     | 2.0      | 1013.00.22.08 | 1                                                                                   |
| M32   | -     | 30.0     | 2.0      | 1021.00.30.08 | 1                                                                                   |
| M40   | -     | 36.0     | 2.0      | 1000.40.00.08 | 1                                                                                   |
| M50   | -     | 46.0     | 2.0      | 1000.50.00.08 | 1                                                                                   |
| M63   | -     | 60.0     | 2.0      | 1000.63.00.08 | 1                                                                                   |
| M75   | -     | 72.0     | 2.0      | 1000.75.00.08 | 1                                                                                   |
| -     | PG 11 | 15.0     | 2.0      | 1011.00.08    | 1                                                                                   |
| PG 13 | PG 16 | 19.0     | 2.0      | 1016.00.08    | 1                                                                                   |
| -     | PG 21 | 25.0     | 2.0      | 1016.00.25.08 | 1                                                                                   |
| -     | PG 29 | 33.0     | 2.2      | 1029.00.08    | 1                                                                                   |
| -     | PG 36 | 42.5     | 2.6      | 1036.00.08    | 1                                                                                   |
| -     | PG 42 | 48.0     | 3.0      | 1000.42.00.08 | 1                                                                                   |
| -     | PG 48 | 55.0     | 2.0      | 1000.48.00.08 | 1                                                                                   |

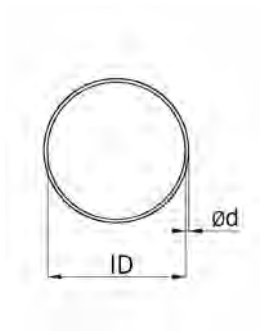


## O-RINGS & SEALING WASHERS

### SUITABLE FOR CABLE GLANDS PROGRESS®

O-RINGS FOR HIGH TEMPERATURES

MATERIAL: FPM  
TEMPERATURE RANGE: -40°C / +200°C



SUITABLE FOR ENTRY THREAD METRIC OR PG

| G     | G     | Øl<br>mm | Ød<br>mm | PART. NO.     |  |
|-------|-------|----------|----------|---------------|-------------------------------------------------------------------------------------|
| M 6   | -     | 5.0      | 1.0      | 1105.98.08    | 1                                                                                   |
| M 8   | -     | 6.0      | 1.5      | 1106.98.08    | 1                                                                                   |
| M10   | -     | 8.1      | 1.6      | 1106.06.98.08 | 1                                                                                   |
| M12   | PG 7  | 10.0     | 1.5      | 1107.98.08    | 1                                                                                   |
| M16   | PG 9  | 13.1     | 1.6      | 1100.09.98.08 | 1                                                                                   |
| M20   | -     | 17.0     | 2.0      | 2111.98.08    | 1                                                                                   |
| M25   | -     | 22.0     | 2.0      | 1113.98.22.08 | 1                                                                                   |
| M32   | -     | 30.0     | 2.0      | 1121.98.30.08 | 1                                                                                   |
| M40   | -     | 36.0     | 2.0      | 1100.40.98.08 | 1                                                                                   |
| M50   | -     | 46.0     | 2.0      | 1100.50.98.08 | 1                                                                                   |
| M63   | -     | 60.0     | 2.0      | 1100.63.98.08 | 1                                                                                   |
| M75   | -     | 72.0     | 2.0      | 1100.75.98.08 | 1                                                                                   |
| -     | PG 11 | 15.0     | 2.0      | 1111.98.08    | 1                                                                                   |
| PG 16 | PG 13 | 18.0     | 2.0      | 1116.98.08    | 1                                                                                   |
| -     | PG 21 | 25.0     | 2.0      | 1116.98.25.08 | 1                                                                                   |
| -     | PG 29 | 33.0     | 1.8      | 1129.98.08    | 1                                                                                   |
| -     | PG 36 | 42.5     | 2.6      | 1136.98.08    | 1                                                                                   |
| -     | PG 42 | 48.0     | 3.0      | 1100.42.98.08 | 1                                                                                   |
| -     | PG 48 | 55.0     | 2.0      | 1100.48.98.08 | 1                                                                                   |

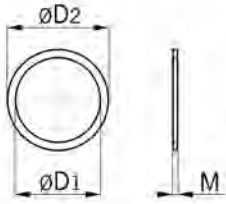




## O-RINGS & SEALING WASHERS

### SUITABLE FOR CABLE GLANDS PROGRESS®

#### SEALING WASHERS



MATERIAL: KLINGERSIL C-4300  
TEMPERATURE RANGE: -40°C / +300°C  
COLOR: GREEN



#### SUITABLE FOR METRIC ENTRY THREAD

| <b>G</b>           | <b>ØD1</b><br>mm | <b>ØD2</b><br>mm | <b>M</b><br>mm | PART. NO.         |  |
|--------------------|------------------|------------------|----------------|-------------------|-------------------------------------------------------------------------------------|
| <b>M6</b>          | 10.0             | 6.0              | 1.5            | <b>1006.00.16</b> | 1                                                                                   |
| <b>M8</b>          | 12.0             | 8.0              | 1.5            | <b>1008.00.16</b> | 1                                                                                   |
| <b>M10</b>         | 14.0             | 10.0             | 1.5            | <b>1010.00.16</b> | 1                                                                                   |
| <b>M12</b>         | 16.0             | 12.0             | 1.5            | <b>1012.00.16</b> | 1                                                                                   |
| <b>M16</b>         | 21.0             | 16.0             | 1.5            | <b>1017.00.16</b> | 1                                                                                   |
| <b>M20 / Pg 13</b> | 25.0             | 20.5             | 1.5            | <b>1013.00.16</b> | 1                                                                                   |
| <b>M25</b>         | 31.0             | 25.0             | 2.0            | <b>1025.00.16</b> | 1                                                                                   |
| <b>M32</b>         | 39.0             | 32.0             | 2.0            | <b>1032.00.16</b> | 1                                                                                   |
| <b>M40</b>         | 48.0             | 40.0             | 2.0            | <b>1040.00.16</b> | 1                                                                                   |
| <b>M50</b>         | 59.0             | 50.0             | 2.0            | <b>1050.00.16</b> | 1                                                                                   |
| <b>M63</b>         | 73.0             | 63.0             | 2.0            | <b>1063.00.16</b> | 1                                                                                   |



#### SUITABLE FOR ENTRY THREAD PG

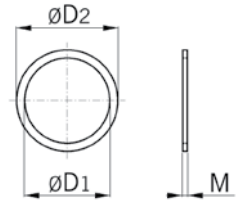
| <b>G</b>           | <b>ØD1</b><br>mm | <b>ØD2</b><br>mm | <b>M</b><br>mm | PART. NO.         |  |
|--------------------|------------------|------------------|----------------|-------------------|---------------------------------------------------------------------------------------|
| <b>Pg 7</b>        | 16.5             | 12.5             | 1.5            | <b>1007.00.16</b> | 1                                                                                     |
| <b>Pg 9</b>        | 19.0             | 15.2             | 1.5            | <b>1009.00.16</b> | 1                                                                                     |
| <b>Pg 11</b>       | 22.5             | 18.5             | 1.5            | <b>1011.00.16</b> | 1                                                                                     |
| <b>M20 / Pg 13</b> | 25.0             | 20.5             | 1.5            | <b>1013.00.16</b> | 1                                                                                     |
| <b>Pg 16</b>       | 27.0             | 22.5             | 1.5            | <b>1016.00.16</b> | 1                                                                                     |
| <b>Pg 21</b>       | 33.5             | 28.5             | 2.0            | <b>1021.00.16</b> | 1                                                                                     |
| <b>Pg 29</b>       | 43.5             | 37.0             | 2.0            | <b>1029.00.16</b> | 1                                                                                     |
| <b>Pg 36</b>       | 55.0             | 47.0             | 2.0            | <b>1036.00.16</b> | 1                                                                                     |
| <b>Pg 42</b>       | 63.0             | 54.0             | 2.0            | <b>1042.00.16</b> | 1                                                                                     |
| <b>Pg 48</b>       | 69.0             | 59.3             | 2.0            | <b>1048.00.16</b> | 1                                                                                     |

## O-RINGS & SEALING WASHERS, BLIND DISCS

### SUITABLE FOR CABLE GLANDS SYNTEC®

#### SEALING WASHERS

MATERIAL: PERBUNAN  
TEMPERATURE RANGE: -20°C / +100°C



#### SUITABLE FOR METRIC ENTRY THREAD

| G   | ØD1<br>mm | ØD2<br>mm | M<br>mm | PART. NO.  |  |
|-----|-----------|-----------|---------|------------|-------------------------------------------------------------------------------------|
| M12 | 20        | 12        | 1.6     | 1012.45.16 | 50                                                                                  |
| M16 | 23        | 16        | 1.8     | 1017.45.16 | 50                                                                                  |
| M20 | 29        | 20        | 1.8     | 1020.45.16 | 50                                                                                  |
| M25 | 37        | 25        | 1.8     | 1025.45.16 | 50                                                                                  |
| M32 | 44        | 32        | 2.2     | 1032.45.16 | 25                                                                                  |
| M40 | 52        | 40        | 2.2     | 1040.45.16 | 25                                                                                  |
| M50 | 64        | 50        | 2.7     | 1050.45.16 | 25                                                                                  |
| M63 | 68        | 63        | 3.2     | 1063.45.16 | 10                                                                                  |



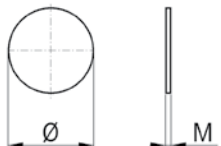
#### SUITABLE FOR ENTRY THREAD PG

| G     | ØD1<br>mm | ØD2<br>mm | M<br>mm | PART. NO.  |  |
|-------|-----------|-----------|---------|------------|-------------------------------------------------------------------------------------|
| Pg 7  | 16.0      | 11.5      | 2.0     | 1007.45.16 | 50                                                                                  |
| Pg 9  | 19.0      | 14.0      | 2.0     | 1009.45.16 | 50                                                                                  |
| Pg 11 | 22.5      | 18.5      | 2.0     | 1011.45.16 | 50                                                                                  |
| Pg 13 | 25.0      | 19.0      | 2.0     | 1013.45.16 | 50                                                                                  |
| Pg 16 | 27.0      | 21.0      | 2.0     | 1016.45.16 | 50                                                                                  |
| Pg 21 | 34.0      | 27.0      | 2.5     | 1021.45.16 | 25                                                                                  |
| Pg 29 | 43.0      | 35.0      | 2.5     | 1029.45.16 | 25                                                                                  |
| Pg 36 | 54.0      | 45.0      | 2.5     | 1036.45.16 | 25                                                                                  |



#### BLIND DISCS SUITABLE FOR CABLE GLANDS

MATERIAL: POLYAMIDE  
TEMPERATURE RANGE: -20°C / +100°C  
APPLICATION: DUST STOPPER FOR CABLE GLANDS



#### BLIND DISC FOR DUST PROTECTION

| G                | Ø<br>mm | M<br>mm | PART. NO.  |  |
|------------------|---------|---------|------------|---------------------------------------------------------------------------------------|
| M10 / M12 / Pg 7 | 10.5    | 0.3     | 1012.00.19 | 50                                                                                    |
| M16 / Pg 9       | 13.5    | 0.3     | 1017.00.19 | 50                                                                                    |
| M20 / Pg 11      | 16.5    | 0.3     | 1011.00.19 | 50                                                                                    |
| Pg 13 / Pg 16    | 20.5    | 0.3     | 1020.00.19 | 50                                                                                    |
| M25 / Pg 21      | 26.5    | 0.3     | 1025.00.19 | 50                                                                                    |
| Pg 29            | 35.0    | 0.3     | 1029.00.19 | 50                                                                                    |
| M32              | 30.0    | 0.3     | 1032.00.19 | 50                                                                                    |
| Pg 36            | 45.0    | 0.3     | 1036.00.19 | 50                                                                                    |
| M40              | 38.0    | 0.3     | 1040.00.19 | 50                                                                                    |
| M50 / Pg 42      | 52.0    | 0.3     | 1050.00.19 | 50                                                                                    |
| M63 / Pg 48      | 57.0    | 0.3     | 1063.00.19 | 50                                                                                    |





## CROSS REFERENCE

HEYCO - AGRO

### HEYCO - PG THREAD TYPE

| THREAD TYPE | HEYCO BLACK | HEYCO GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM) | AGRO BLACK | AGRO GREY  |
|-------------|-------------|------------|---------------------|---------------------|------------|------------|
| PG7         | 3207        | 3208       | 2.3 - 6.4           | 2.5 - 6.5           | 1545.07.06 | 1555.07.06 |
| PG7         | 3444        | 3445       | 2.0 - 4.            | 2.5 - 6.5           | 1545.07.06 | 1555.07.06 |
| PG9         | 3210        | 3211       | 4.7 - 7.6           | 3.0 - 8.0           | 1545.09.08 | 1555.09.08 |
| PG9         | 3446        | 3447       | 3.0 - 5.8           | 3.0 - 8.0           | 1545.09.08 | 1555.09.08 |
| PG11        | 3213        | 3214       | 5.9 - 10.0          | 4.0 - 10.0          | 1545.11.10 | 1555.11.10 |
| PG11        | 3448        | 3449       | 3.8 - 7.0           | 2.0 - 7.0           | 1545.11.07 | 1555.11.07 |
| PG13        | 3216        | 3217       | 6.9 - 11.9          | 5.5 - 12.0          | 1545.13.12 | 1555.13.12 |
| PG13        | 3450        | 3451       | 5.0 - 8.8           | 3.0 - 7.0           | 1545.13.07 | 1555.13.07 |
| PG16        | 3219        | 3220       | 10.9 - 13.9         | 8.5 - 14.0          | 1545.16.14 | 1555.16.14 |
| PG16        | 3452        | 3453       | 8.1 - 11.9          | 5.0 - 11.0          | 1545.16.11 | 1555.16.11 |
| PG21        | 3222        | 3223       | 13.8 - 18.0         | 11.0 - 18.0         | 1545.21.18 | 1555.21.18 |
| PG21        | 3454        | 3455       | 11.6 - 16.0         | 6.5 - 14.0          | 1545.21.14 | 1555.21.14 |
| PG29        | 3225        | 3226       | 18.3 - 24.5         | 17.0 - 25.0         | 1545.29.25 | 1555.29.25 |
| PG29        | 3456        | 3457       | 16.3 - 19.6         | 17.0 - 25.0         | 1545.29.25 | 1555.29.25 |
| PG36        | 3204        | N/A        | 22.0 - 32.0         | 22.0 - 33.0         | 1545.36.33 | 1555.36.33 |
| PG36        | 3206        | N/A        | 20.0 - 26.0         | 22.0 - 33.0         | 1545.36.33 | 1555.36.33 |
| PG42        | 3212        | N/A        | 32.0 - 38.0         | 28.0 - 38.0         | 1545.42.38 | 1545.42.38 |
| PG42        | 3218        | N/A        | 25.0 - 31.0         | 28.0 - 38.0         | 1545.42.38 | 1545.42.38 |
| PG48        | 3281        | N/A        | 37.0 - 44.0         | 32.0 - 44.0         | 1545.48.44 | 1545.48.44 |
| PG48        | 3283        | N/A        | 29.0 - 35.0         | 32.0 - 44.0         | 1545.48.44 | 1545.48.44 |

### AGRO - PG THREAD TYPE

### HEYCO - NPT THREAD TYPE

| THREAD TYPE | HEYCO BLACK | HEYCO GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM) | AGRO BLACK    | AGRO GREY     |
|-------------|-------------|------------|---------------------|---------------------|---------------|---------------|
| NPT 3/8     | 3228        | 3229       | 4.7 - 7.9           | 3.0 - 8.0           | 1545.N0375.08 | 1555.N0375.08 |
| NPT 3/8     | 3458        | 3459       | 2.0 - 6.0           | 3.0 - 8.0           | 1545.N0375.08 | 1555.N0375.08 |
| NPT 1/2     | 3231        | 3232       | 6.9 - 11.8          | 5.5 - 12.0          | 1545.N0500.12 | 1555.N0500.12 |
| NPT 1/2     | 3224        | 3236       | 5.0 - 8.8           | 3.0 - 7.0           | 1545.N0500.07 | 1555.N0500.07 |
| NPT 3/4     | 3234        | 3235       | 13.8 - 18.0         | 11.0 - 18.0         | 1545.N0750.18 | 1555.N0750.18 |
| NPT 3/4     | 3460        | 3461       | 11.5 - 16.0         | 6.5 - 14.0          | 1545.N0750.14 | 1555.N0750.14 |
| NPT 1       | 8437        | 8438       | 18.0 - 25.4         | 17.0 - 22.0         | 1545.N1000.22 | 1555.N1000.22 |
| NPT 1       | 8439        | 8440       | 12.0 - 19.5         | 17.0 - 22.0         | 1545.N1000.22 | 1555.N1000.22 |

### AGRO - NPT THREAD TYPE

### HEYCO - STRAIN RELIEF

| THREAD TYPE | HEYCO BLACK | HEYCO GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM) | AGRO GREY  | AGRO BLACK |
|-------------|-------------|------------|---------------------|---------------------|------------|------------|
| PG7         | 3237        | 3228       | 2.3 - 6.4           | 2.5 - 6.5           | 1576.07.06 | 1546.07.06 |
| PG7         | 3464        | 3464       | 2.0 - 4.6           | 2.5 - 6.5           | 1576.07.06 | 1546.07.06 |
| PG9         | 3240        | 3241       | 4.7 - 7.6           | 3.0 - 8.0           | 1576.09.08 | 1546.09.08 |
| PG9         | 3466        | 3467       | 3.0 - 5.8           | 3.0 - 8.0           | 1576.09.08 | 1546.09.08 |
| PG11        | 3243        | 3244       | 5.9 - 10.0          | 4.0 - 10.0          | 1576.11.10 | 1546.11.10 |
| PG11        | 3468        | 3469       | 3.8 - 7.0           | 2.0 - 7.0           | 1576.11.07 | 1546.11.07 |
| PG13        | 3246        | 3247       | 6.9 - 11.9          | 5.5 - 12.0          | 1576.13.12 | 1546.13.12 |
| PG13        | 3470        | 3471       | 5.0 - 8.8           | 3.0 - 7.0           | 1576.13.07 | 1546.13.07 |
| PG16        | 3249        | 3250       | 10.9 - 13.9         | 8.5 - 14.0          | 1576.16.14 | 1546.16.14 |
| PG16        | 3472        | 3473       | 8.1 - 11.9          | 5.0 - 11.0          | 1576.16.11 | 1546.16.11 |

### AGRO - STRAIN RELIEF

## CROSS REFERENCE

### OLFLEX - AGRO

| OLFLEX - PG THREAD TYPE |              |             |                     | AGRO - PG THREAD TYPE |            |            |
|-------------------------|--------------|-------------|---------------------|-----------------------|------------|------------|
| THREAD TYPE             | OLFLEX BLACK | OLFLEX GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM)   | AGRO BLACK | AGRO GREY  |
| PG7                     | S2207        | S1207       | 2.0 - 5.0           | 2.5 - 6.5             | 1545.07.06 | 1555.07.06 |
| PG7                     | S2107        | S1107       | 3.0 - 6.5           | 2.5 - 6.5             | 1545.07.06 | 1555.07.06 |
| PG9                     | S2209        | S1209       | 2.0 - 6.0           | 3.0 - 8.0             | 1545.09.08 | 1555.09.08 |
| PG9                     | S2109        | S1109       | 4.0 - 8.0           | 3.0 - 8.0             | 1545.09.08 | 1555.09.08 |
| PG11                    | S2211        | S1211       | 4.0 - 7.0           | 2.0 - 7.0             | 1545.11.07 | 1555.11.07 |
| PG11                    | S2111        | S1111       | 5.1 - 10.0          | 4.0 - 10.0            | 1545.11.10 | 1555.11.10 |
| PG13                    | S2213        | S1213       | 8.7 - 9.0           | 3.0 - 7.0             | 1545.13.07 | 1555.13.07 |
| PG13                    | S2113        | S1113       | 6.0 - 12.0          | 5.5 - 12.0            | 1545.13.12 | 1555.13.12 |
| PG16                    | S2216        | S1216       | 10.7 - 12.2         | 5.0 - 11.0            | 1545.16.11 | 1555.16.11 |
| PG16                    | S2116        | S1116       | 10.0 - 14.0         | 8.5 - 14.0            | 1545.16.14 | 1555.16.14 |
| PG21                    | S2221        | S1221       | 12.2 - 15.7         | 6.5 - 14.0            | 1545.21.14 | 1555.21.14 |
| PG21                    | S2121        | S1121       | 13.8 - 18.0         | 11.0 - 18.0           | 1545.21.18 | 1555.21.18 |
| PG29                    | S2229        | S1229       | 13.0 - 20.0         | 17.0 - 25.0           | 1545.29.25 | 1555.29.25 |
| PG29                    | S2129        | S1129       | 18.0 - 25.0         | 17.0 - 25.0           | 1545.29.25 | 1555.29.25 |
| PG36                    | S2236        | S1236       | 20.0 - 26.0         | 22.0 - 33.0           | 1545.36.33 | 1555.36.33 |
| PG36                    | S2136        | S1136       | 22.0 - 32.0         | 22.0 - 33.0           | 1545.36.33 | 1555.36.33 |
| PG42                    | S2242        | S1242       | 25.0 - 31.0         | 28.0 - 38.0           | 1545.42.38 | 1555.42.38 |
| PG42                    | S2142        | S1142       | 32.0 - 38.0         | 28.0 - 38.0           | 1545.42.38 | 1555.42.38 |
| PG48                    | S2248        | S1248       | 29.0 - 35.0         | 32.0 - 44.0           | 1545.48.44 | 1555.48.44 |
| PG48                    | S2148        | S1148       | 37.0 - 44.0         | 32.0 - 44.0           | 1545.48.44 | 1555.48.44 |

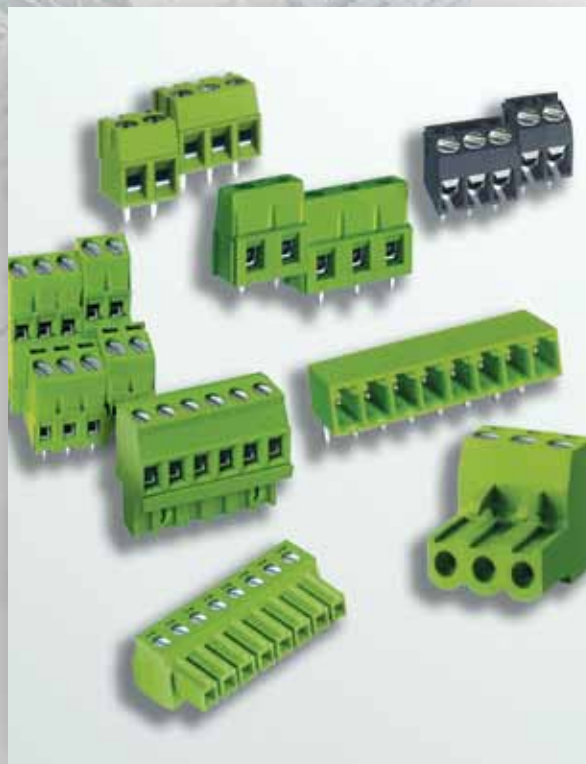
| OLFLEX - NPT THREAD TYPE |              |             |                     | AGRO - NPT THREAD TYPE |               |               |
|--------------------------|--------------|-------------|---------------------|------------------------|---------------|---------------|
| THREAD TYPE              | OLFLEX BLACK | OLFLEX GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM)    | AGRO BLACK    | AGRO GREY     |
| NPT 3/8                  | S2238        | S1238       | 2.0 - 6.0           | 3.0 - 8.0              | 1545.N0375.08 | 1555.N0375.08 |
| NPT 3/8                  | S2138        | S1138       | 4.0 - 8.0           | 3.0 - 8.0              | 1545.N0375.08 | 1555.N0375.08 |
| NPT 1/2                  | S2212        | S1212       | 8.7 - 9.0           | 3.0 - 7.0              | 1545.N0500.07 | 1555.N0500.07 |
| NPT 1/2                  | S2112        | S1112       | 6.0 - 12.0          | 5.5 - 12.0             | 1545.N0500.12 | 1555.N0500.12 |
| NPT 3/4                  | S2234        | S1234       | 12.2 - 15.7         | 6.5 - 14.0             | 1545.N0750.14 | 1555.N0750.14 |
| NPT 3/4                  | S2134        | S1134       | 13.8 - 18.0         | 11.0 - 18.0            | 1545.N0750.18 | 1555.N0750.18 |
| NPT 1                    | S2201        | S1201       | 14.0 - 21.0         | 17.0 - 22.0            | 1545.N1000.22 | 1555.N1000.22 |
| NPT 1                    | S2101        | S1101       | 18.0 - 26.0         | 17.0 - 22.0            | 1545.N1000.22 | 1555.N1000.22 |

| OLFLEX - STRAIN RELIEF |              |             |                     | AGRO - STRAIN RELIEF |            |            |
|------------------------|--------------|-------------|---------------------|----------------------|------------|------------|
| THREAD TYPE            | OLFLEX BLACK | OLFLEX GREY | DIAMETER RANGE (MM) | DIAMETER RANGE (MM)  | AGRO GREY  | AGRO BLACK |
| PG7                    | S2407        | S1407       | 2.0 - 5.0           | 2.5 - 6.5            | 1576.07.06 | 1546.07.06 |
| PG7                    | S2307        | S1307       | 3.0 - 6.5           | 2.5 - 6.5            | 1576.07.06 | 1546.07.06 |
| PG9                    | S2409        | S1409       | 2.0 - 6.0           | 3.0 - 8.0            | 1576.09.08 | 1546.09.08 |
| PG9                    | S2309        | S1309       | 4.0 - 8.0           | 3.0 - 8.0            | 1576.09.08 | 1546.09.08 |
| PG11                   | S2411        | S1411       | 4.0 - 7.0           | 2.0 - 7.0            | 1576.11.07 | 1546.11.07 |
| PG11                   | S2311        | S1311       | 5.1 - 10.0          | 4.0 - 10.0           | 1576.11.10 | 1546.11.10 |
| PG13                   | S2413        | S1413       | 8.7 - 9.0           | 3.0 - 7.0            | 1576.13.07 | 1546.13.07 |
| PG13                   | S2313        | S1313       | 6.0 - 12.0          | 5.5 - 12.0           | 1576.13.12 | 1546.13.12 |
| PG16                   | S2416        | S1416       | 10.7 - 12.2         | 5.0 - 11.0           | 1576.16.11 | 1546.16.11 |
| PG16                   | S2316        | S1316       | 10.0 - 14.0         | 8.5 - 14.0           | 1576.16.14 | 1546.16.14 |



## PRINTED CIRCUIT BOARD TERMINAL BLOCKS & CONNECTORS

AEI OFFERS SINGLE AND DUAL LEVEL TERMINAL BLOCKS FOR PRINTED CIRCUIT BOARDS ON 3.5MM, 5.0MM, .08MM, 7.5MM AND 7.62MM IN MODULAR 2 OR 3 POLE DESIGNS. CONNECTORS ARE OFFERED FROM 3.50MM, 3.81MM, 5.00MM AND 5.08MM VERSIONS IN 90° AND 180° CONFIGURATION UP TO 24 POLES.



# PRINTED CIRCUIT BOARD

## TERMINAL BLOCKS

### SINGLE LEVEL • 90° • PITCH: 3.50 MM

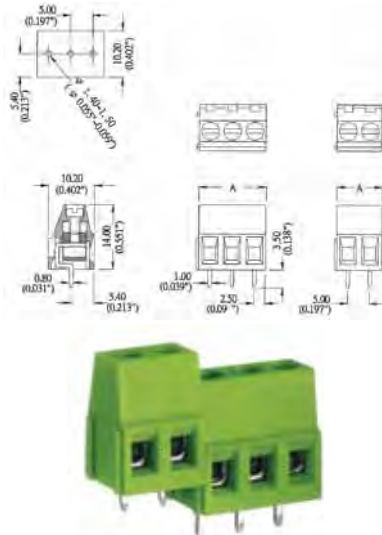


#### TECHNICAL

|                               |                          |
|-------------------------------|--------------------------|
| TERMINAL:                     | BRASS, TIN PLATED        |
| WIRE PROTECTOR:               | STAINLESS STRIP STEEL    |
| INSULATING BODY:              | POLYESTER                |
| SCREW:                        | M2.0, STEEL, CHROMATIZED |
| COLOR:                        | BLACK                    |
| OPERATION TEMPERATURE:        | -33°C TO +105°C          |
| SHORT-TIME TEMPERATURE:       | UP TO 200°C (+392°F)     |
| CURRENT RATING:               | 6 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC1500V MIN              |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V         |
| PCB HOLE DIAMETER:            | φ 1.4 MM                 |
| WIRE STRIP LENGTH:            | 4MM - 5MM                |
| WIRE RANGE:                   | 16 - 26 AWG              |
| SCREWS TORQUE:                | 2.5 LB-INCH              |

| ITEM NO.           | POLES | A (MM) | A (INCH) |
|--------------------|-------|--------|----------|
| <b>T-212-350M2</b> | 2     | 7.00   | 0.276    |
| <b>T-212-350M3</b> | 3     | 10.50  | 0.413    |

### SINGLE LEVEL • 90° • PITCH: 5.00 MM

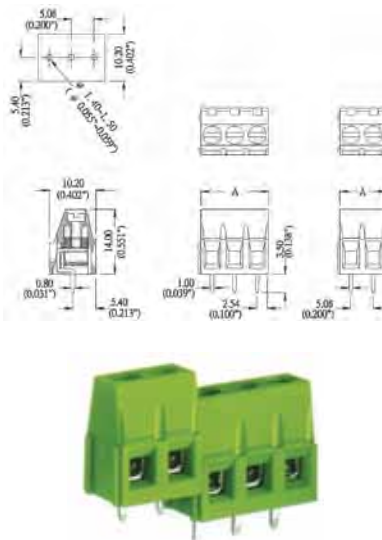


#### TECHNICAL

|                               |                         |
|-------------------------------|-------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED        |
| TERMINAL:                     | BRASS, TIN PLATED, 0.8T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.6, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)    |
| CURRENT RATING:               | 16 AMP AC300V           |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM     |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 14 - 24 AWG             |
| SCREWS TORQUE:                | 5.0 LB-INCH             |

| ITEM NO.           | POLES | A (MM) | A (INCH) |
|--------------------|-------|--------|----------|
| <b>T-312-500M2</b> | 2     | 10.00  | 0.394    |
| <b>T-312-500M3</b> | 3     | 15.00  | 0.591    |

### SINGLE LEVEL • 90° • PITCH: 5.08 MM



#### TECHNICAL

|                               |                         |
|-------------------------------|-------------------------|
| TERMINAL:                     | BRASS, NI PLATED        |
| WIRE PROTECTOR:               | BRASS, TIN PLATED, 0.8T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.6, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)    |
| CURRENT RATING:               | 16 AMP AC300V           |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM     |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 14 - 24 AWG             |
| SCREWS TORQUE:                | 5.0 LB-INCH             |

| ITEM NO.           | POLES | A (MM) | A (INCH) |
|--------------------|-------|--------|----------|
| <b>T-312-508M2</b> | 2     | 10.16  | 0.400    |
| <b>T-312-508M3</b> | 3     | 15.24  | 0.600    |

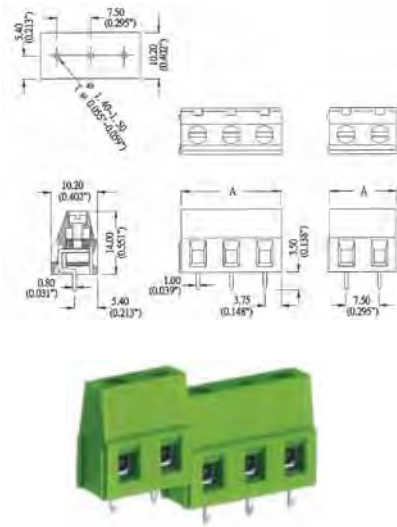




## PRINTED CIRCUIT BOARD

### TERMINAL BLOCKS

#### SINGLE LEVEL • 90° • PITCH: 7.50 MM

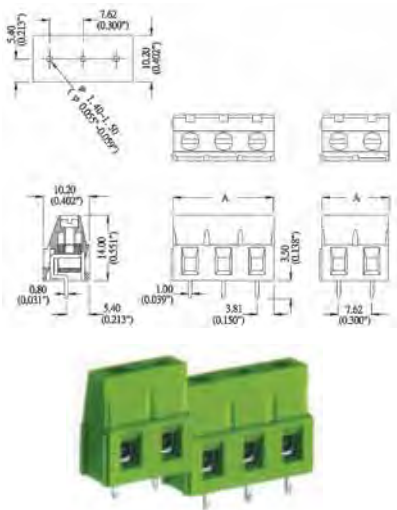


##### TECHNICAL

|                               |                         |
|-------------------------------|-------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED        |
| TERMINAL:                     | BRASS, TIN PLATED, 0.8T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.6, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)    |
| CURRENT RATING:               | 16 AMP AC300V           |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM     |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 14 - 24 AWG             |
| SCREWS TORQUE:                | 5.0 LB-INCH             |

| ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|
| T-312-750M2 | 2     | 15.00  | 0.591    |
| T-312-750M3 | 3     | 22.50  | 0.886    |

#### SINGLE LEVEL • 90° • PITCH: 7.62 MM

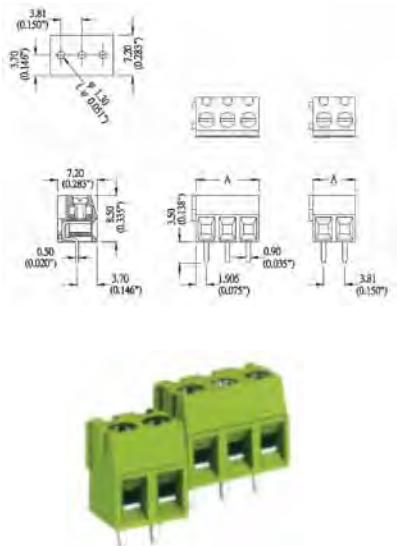


##### TECHNICAL

|                               |                         |
|-------------------------------|-------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED        |
| TERMINAL:                     | BRASS, TIN PLATED, 0.8T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.6, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)    |
| CURRENT RATING:               | 16 AMP AC300V           |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM     |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 14 - 24 AWG             |
| SCREWS TORQUE:                | 5.0 LB-INCH             |

| ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|
| T-312-762M2 | 2     | 15.24  | 0.600    |
| T-312-762M3 | 3     | 22.86  | 0.900    |

#### SINGLE LEVEL • 90° • PITCH: 3.81 MM



##### TECHNICAL

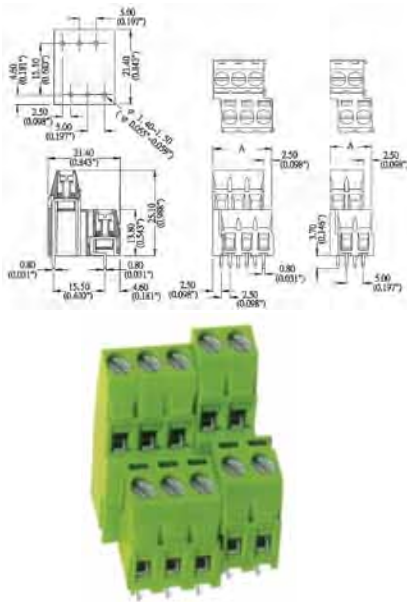
|                               |                         |
|-------------------------------|-------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED        |
| TERMINAL:                     | BRASS, TIN PLATED, 0.5T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.0, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 200°C (+392°F)    |
| CURRENT RATING:               | 8 AMP AC300V            |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.3                   |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 16 - 26 AWG             |
| SCREWS TORQUE:                | 2.5 LB-INCH             |

| ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|
| T-332-381M2 | 2     | 7.62   | 0.300    |
| T-332-381M3 | 3     | 11.43  | 0.450    |

## PRINTED CIRCUIT BOARD

### TERMINAL BLOCKS

#### DOUBLE LEVEL • 90° • PITCH: 5.00 MM

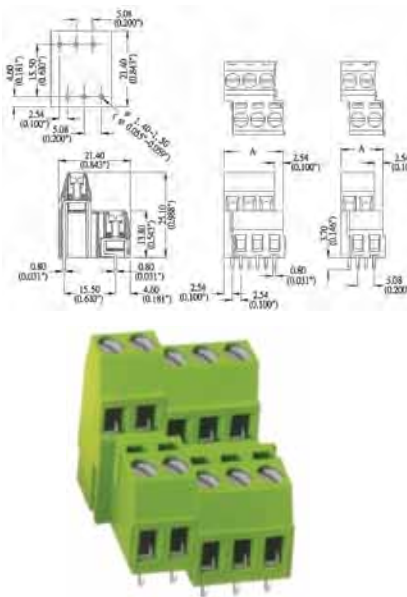


##### TECHNICAL

|                               |                             |
|-------------------------------|-----------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED            |
| TERMINAL:                     | BRASS, TIN PLATED, 0.8T     |
| INSULATING                    | BODY: POLYAMIDE66 (UL94V-0) |
| SCREW:                        | M2.6, STEEL, NI PLATED      |
| COLOR:                        | GREEN                       |
| OPERATION TEMPERATURE:        | -55°C TO +105°C             |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)        |
| CURRENT RATING:               | 16 AMP AC300V               |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN                 |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V            |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM         |
| WIRE STRIP LENGTH:            | 4MM - 5MM                   |
| WIRE RANGE:                   | 14 - 24 AWG                 |
| SCREWS TORQUE:                | 4.5 LB-INCH                 |

| ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|
| T-362-500M2 | 2     | 12.50  | 0.492    |
| T-362-500M3 | 3     | 17.50  | 0.689    |

#### DOUBLE LEVEL • 90° • PITCH: 5.08 MM



##### TECHNICAL

|                               |                         |
|-------------------------------|-------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED        |
| TERMINAL:                     | BRASS, TIN PLATED, 0.8T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)   |
| SCREW:                        | M2.6, STEEL, NI PLATED  |
| COLOR:                        | GREEN                   |
| OPERATION TEMPERATURE:        | -55°C TO +105°C         |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)    |
| CURRENT RATING:               | 16 AMP AC300V           |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN             |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V        |
| PCB HOLE DIAMETER:            | φ 1.4 MM - φ 1.5 MM     |
| WIRE STRIP LENGTH:            | 4MM - 5MM               |
| WIRE RANGE:                   | 14 - 24 AWG             |
| SCREWS TORQUE:                | 4.5 LB-INCH             |

| ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|
| T-362-508M2 | 2     | 12.70  | 0.500    |
| T-362-508M3 | 3     | 17.78  | 0.700    |



## PRINTED CIRCUIT BOARD

### PLUGS

#### PLUGS • 180°

##### TECHNICAL

|                               |                                   |
|-------------------------------|-----------------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED                  |
| CONTACT:                      | PHOSPHOR BRONZE, TIN PLATED, 0.4T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)             |
| SCREW:                        | M3.0, STEEL, ZINC PLATED          |
| COLOR:                        | GREEN                             |
| OPERATION TEMPERATURE:        | -55°C TO +105°C                   |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)              |
| CURRENT RATING:               | 16 AMP AC300V                     |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN                       |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V                  |
| WIRE STRIP LENGTH:            | 4 MM - 5 MM                       |
| WIRE RANGE:                   | 14 - 24 AWG                       |
| SCREWS TORQUE:                | 4.5 LB-INCH                       |

#### PITCH: 5.00 MM

| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| P-100-50002 | 2     | 10.00  | 0.394    | P-100-50009 | 9     | 45.00  | 1.772    |
| P-100-50003 | 3     | 15.00  | 0.591    | P-100-50010 | 10    | 50.00  | 1.969    |
| P-100-50004 | 4     | 20.00  | 0.787    | P-100-50011 | 11    | 55.00  | 2.165    |
| P-100-50005 | 5     | 25.00  | 0.984    | P-100-50012 | 12    | 60.00  | 2.362    |
| P-100-50006 | 6     | 30.00  | 1.181    |             |       |        |          |
| P-100-50007 | 7     | 35.00  | 1.378    | P-100-50024 | 24    | 120.00 | 4.724    |
| P-100-50008 | 8     | 40.00  | 1.575    |             |       |        |          |

#### PITCH: 5.08 MM

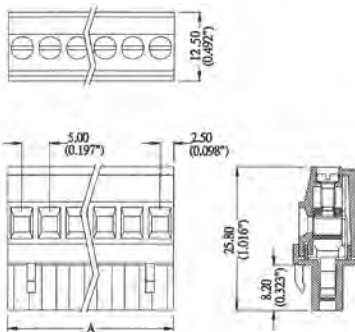
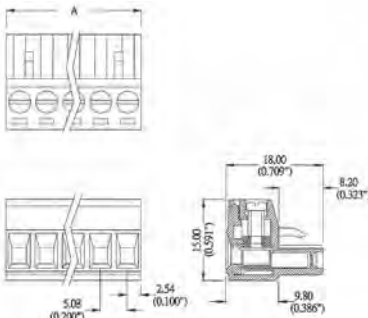
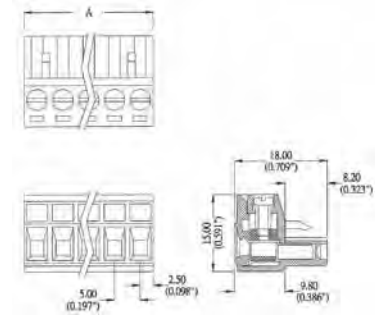
| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| P-100-50802 | 2     | 10.16  | 0.400    | P-100-50809 | 9     | 45.72  | 1.800    |
| P-100-50803 | 3     | 15.24  | 0.600    | P-100-50810 | 10    | 50.80  | 2.000    |
| P-100-50804 | 4     | 20.32  | 0.800    | P-100-50811 | 11    | 55.88  | 2.200    |
| P-100-50805 | 5     | 25.40  | 1.000    | P-100-50812 | 12    | 60.96  | 2.400    |
| P-100-50806 | 6     | 30.48  | 1.200    |             |       |        |          |
| P-100-50807 | 7     | 35.56  | 1.400    | P-100-50824 | 24    | 121.92 | 4.800    |
| P-100-50808 | 8     | 40.64  | 1.600    |             |       |        |          |

#### PLUGS • 90° • PITCH: 5.00 MM

##### TECHNICAL

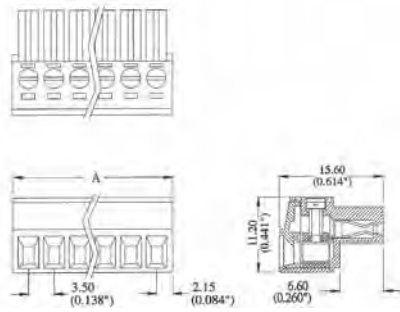
|                               |                                   |
|-------------------------------|-----------------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED                  |
| CONTACT:                      | PHOSPHOR BRONZE, TIN PLATED, 0.4T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)             |
| SCREW:                        | M2.6, STEEL, ZINC PLATED          |
| COLOR:                        | GREEN                             |
| OPERATION TEMPERATURE:        | -55°C TO +105°C                   |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)              |
| CURRENT RATING:               | 16 AMP AC300V                     |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN                       |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V                  |
| WIRE STRIP LENGTH:            | 7 MM                              |
| WIRE RANGE:                   | 14 - 24 AWG                       |
| SCREWS TORQUE:                | 4.5 LB-INCH                       |

| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| P-200-50002 | 2     | 10.00  | 0.394    | P-200-50009 | 9     | 45.00  | 1.772    |
| P-200-50003 | 3     | 15.00  | 0.591    | P-200-50010 | 10    | 50.00  | 1.969    |
| P-200-50004 | 4     | 20.00  | 0.787    | P-200-50011 | 11    | 55.00  | 2.165    |
| P-200-50005 | 5     | 25.00  | 0.984    | P-200-50012 | 12    | 60.00  | 2.362    |
| P-200-50006 | 6     | 30.00  | 1.181    |             |       |        |          |
| P-200-50007 | 7     | 35.00  | 1.378    | P-200-50024 | 24    | 120.00 | 4.724    |
| P-200-50008 | 8     | 40.00  | 1.575    |             |       |        |          |



# PRINTED CIRCUIT BOARD

## PLUGS

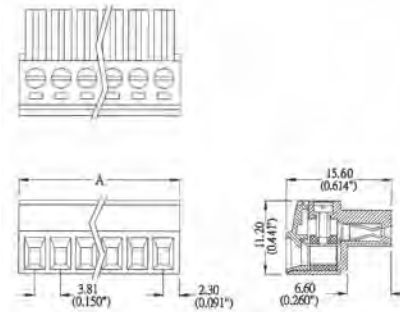


### PLUGS • 180° • PITCH: 3.50 MM

#### TECHNICAL

|                               |                                   |
|-------------------------------|-----------------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED                  |
| CONTACT:                      | PHOSPHOR BRONZE, TIN PLATED, 0.3T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-O)             |
| SCREW:                        | M2.0, STEEL, ZINC                 |
| COLOR:                        | GREEN                             |
| OPERATION TEMPERATURE:        | -55°C TO +105°C                   |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)              |
| CURRENT RATING:               | 10 AMP AC300V                     |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN                       |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V                  |
| WIRE STRIP LENGTH:            | 6.5 MM                            |
| WIRE RANGE:                   | 16 - 26 AWG                       |
| SCREWS TORQUE:                | 2.5 LB-INCH                       |

| ITEM No.           | POLES | A (MM) | A (INCH) | ITEM No.           | POLES | A (MM) | A (INCH) |
|--------------------|-------|--------|----------|--------------------|-------|--------|----------|
| <b>P-420-35002</b> | 2     | 7.80   | 0.307    | <b>P-420-35009</b> | 9     | 32.30  | 1.272    |
| <b>P-420-35003</b> | 3     | 11.30  | 0.445    | <b>P-420-35010</b> | 10    | 35.80  | 1.409    |
| <b>P-420-35004</b> | 4     | 14.80  | 0.583    | <b>P-420-35011</b> | 11    | 39.30  | 1.547    |
| <b>P-420-35005</b> | 5     | 18.30  | 0.720    | <b>P-420-35012</b> | 12    | 42.80  | 1.685    |
| <b>P-420-35006</b> | 6     | 21.80  | 0.858    | <b>P-420-35013</b> | 13    | 46.30  | 1.823    |
| <b>P-420-35007</b> | 7     | 25.30  | 0.996    | <b>P-420-35014</b> | 14    | 49.80  | 1.961    |
| <b>P-420-35008</b> | 8     | 28.80  | 1.134    |                    |       |        |          |



### PLUGS • 180° • PITCH: 3.81 MM

#### TECHNICAL

|                               |                                   |
|-------------------------------|-----------------------------------|
| CAGE CLAMP:                   | BRASS, NI PLATED                  |
| CONTACT:                      | PHOSPHOR BRONZE, TIN PLATED, 0.3T |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-O)             |
| SCREW:                        | M2.0, STEEL, ZINC                 |
| COLOR:                        | GREEN                             |
| OPERATION TEMPERATURE:        | -55°C TO +105°C                   |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)              |
| CURRENT RATING:               | 10 AMP AC300V                     |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN                       |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V                  |
| WIRE STRIP LENGTH:            | 6.5 MM                            |
| WIRE RANGE:                   | 16 - 26 AWG                       |
| SCREWS TORQUE:                | 2.5 LB-INCH                       |

| ITEM No.           | POLES | A (MM) | A (INCH) | ITEM No.           | POLES | A (MM) | A (INCH) |
|--------------------|-------|--------|----------|--------------------|-------|--------|----------|
| <b>P-420-38102</b> | 2     | 8.41   | 0.331    | <b>P-420-38109</b> | 9     | 35.08  | 1.381    |
| <b>P-420-38103</b> | 3     | 12.22  | 0.481    | <b>P-420-38110</b> | 10    | 38.89  | 1.531    |
| <b>P-420-38104</b> | 4     | 16.03  | 0.631    | <b>P-420-38111</b> | 11    | 42.70  | 1.681    |
| <b>P-420-38105</b> | 5     | 19.84  | 0.781    | <b>P-420-38112</b> | 12    | 46.51  | 1.831    |
| <b>P-420-38106</b> | 6     | 23.65  | 0.931    |                    |       |        |          |
| <b>P-420-38107</b> | 7     | 27.46  | 1.081    | <b>P-420-38116</b> | 16    | 61.75  | 2.431    |
| <b>P-420-38108</b> | 8     | 31.27  | 1.231    |                    |       |        |          |



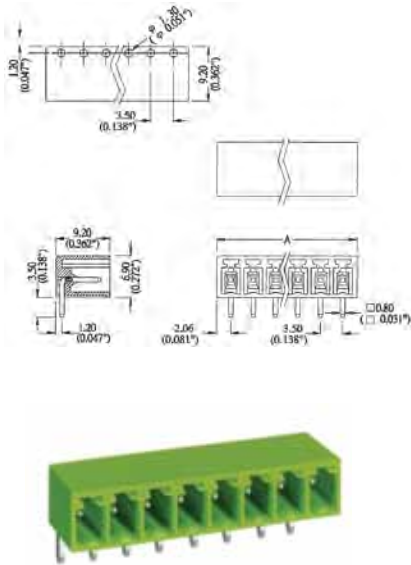
## PRINTED CIRCUIT BOARD

### HEADERS

HEADERS • CLOSED 90° • PITCH: 3.50 MM

#### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 0.8 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.3 MM                  |

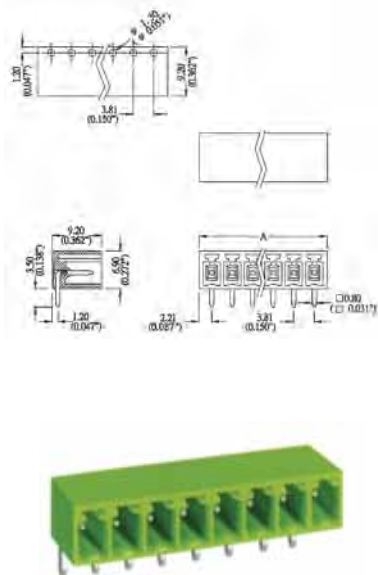


| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-030-35002 | 2     | 7.60   | 0.299    | H-030-35009 | 9     | 32.10  | 1.264    |
| H-030-35003 | 3     | 11.10  | 0.437    | H-030-35010 | 10    | 35.60  | 1.402    |
| H-030-35004 | 4     | 14.60  | 0.575    | H-030-35011 | 11    | 39.10  | 1.539    |
| H-030-35005 | 5     | 18.10  | 0.713    | H-030-35012 | 12    | 42.60  | 1.677    |
| H-030-35006 | 6     | 21.60  | 0.850    | H-030-35013 | 13    | 46.10  | 1.815    |
| H-030-35007 | 7     | 25.10  | 0.988    | H-030-35014 | 14    | 49.60  | 1.953    |
| H-030-35008 | 8     | 28.60  | 1.126    |             |       |        |          |

HEADERS • CLOSED 90° • PITCH: 3.81 MM

#### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 0.8 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.3 MM                  |

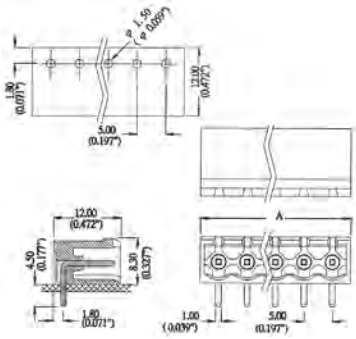


| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-030-38102 | 2     | 8.23   | 0.324    | H-030-38109 | 9     | 34.90  | 1.374    |
| H-030-38103 | 3     | 12.04  | 0.474    | H-030-38110 | 10    | 38.71  | 1.524    |
| H-030-38104 | 4     | 15.85  | 0.624    | H-030-38111 | 11    | 42.52  | 1.674    |
| H-030-38105 | 5     | 19.66  | 0.774    | H-030-38112 | 12    | 46.33  | 1.824    |
| H-030-38106 | 6     | 23.47  | 0.924    |             |       |        |          |
| H-030-38107 | 7     | 27.28  | 1.074    | H-030-38116 | 16    | 61.57  | 2.424    |
| H-030-38108 | 8     | 31.09  | 1.224    |             |       |        |          |

# PRINTED CIRCUIT BOARD

## HEADERS

HEADERS • CLOSED 90° • PITCH: 5.00 MM

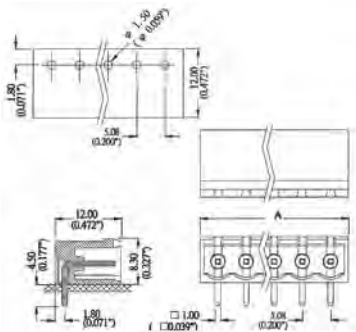


### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 1.0 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.5 MM                  |

| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-030-50002 | 2     | 11.60  | 0.457    | H-030-50009 | 9     | 46.60  | 1.835    |
| H-030-50003 | 3     | 16.60  | 0.654    | H-030-50010 | 10    | 51.60  | 2.031    |
| H-030-50004 | 4     | 21.60  | 0.850    | H-030-50011 | 11    | 56.60  | 2.228    |
| H-030-50005 | 5     | 26.60  | 1.047    | H-030-50012 | 12    | 61.60  | 2.425    |
| H-030-50006 | 6     | 31.60  | 1.244    |             |       |        |          |
| H-030-50007 | 7     | 36.60  | 1.441    | H-030-50016 | 16    | 121.60 | 4.787    |
| H-030-50008 | 8     | 41.60  | 1.638    |             |       |        |          |

HEADERS • CLOSED 90° • PITCH: 5.08 MM



### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 1.0 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.5 MM                  |

| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-030-50802 | 2     | 11.76  | 0.463    | H-030-50809 | 9     | 47.32  | 1.863    |
| H-030-50803 | 3     | 16.84  | 0.663    | H-030-50810 | 10    | 52.40  | 2.063    |
| H-030-50804 | 4     | 21.92  | 0.863    | H-030-50811 | 11    | 57.48  | 2.263    |
| H-030-50805 | 5     | 27.00  | 1.063    | H-030-50812 | 12    | 62.56  | 2.463    |
| H-030-50806 | 6     | 32.08  | 1.263    |             |       |        |          |
| H-030-50807 | 7     | 37.16  | 1.463    | H-030-50816 | 16    | 123.52 | 4.863    |
| H-030-50808 | 8     | 42.24  | 1.663    |             |       |        |          |





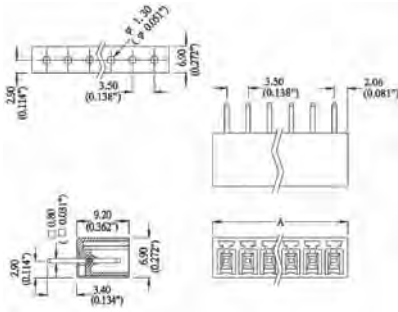
## PRINTED CIRCUIT BOARD

### HEADERS

#### HEADERS • CLOSED 180° • PITCH: 3.50 MM

##### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 0.8 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.3 MM                  |

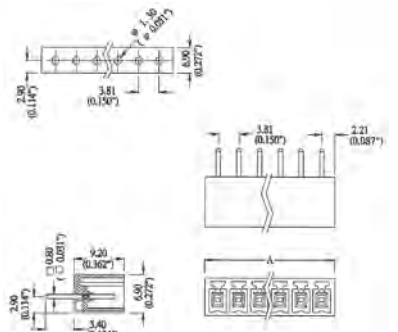


| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-040-35002 | 2     | 7.60   | 0.299    | H-040-35009 | 9     | 32.10  | 1.264    |
| H-040-35003 | 3     | 11.10  | 0.437    | H-040-35010 | 10    | 35.60  | 1.402    |
| H-040-35004 | 4     | 14.60  | 0.575    | H-040-35011 | 11    | 39.10  | 1.539    |
| H-040-35005 | 5     | 18.10  | 0.713    | H-040-35012 | 12    | 42.60  | 1.677    |
| H-040-35006 | 6     | 21.60  | 0.850    | H-040-35013 | 13    | 46.10  | 1.815    |
| H-040-35007 | 7     | 25.10  | 0.988    | H-040-35014 | 14    | 49.60  | 1.953    |
| H-040-35008 | 8     | 28.60  | 1.126    |             |       |        |          |

#### HEADERS • CLOSED 180° • PITCH: 3.81 MM

##### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 0.8 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-0)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.3 MM                  |



| ITEM No.    | POLES | A (MM) | A (INCH) | ITEM No.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-040-38102 | 2     | 8.23   | 0.324    | H-040-38109 | 9     | 34.90  | 1.374    |
| H-040-38103 | 3     | 12.04  | 0.474    | H-040-38110 | 10    | 38.71  | 1.524    |
| H-040-38104 | 4     | 15.85  | 0.624    | H-040-38111 | 11    | 42.52  | 1.674    |
| H-040-38105 | 5     | 19.66  | 0.774    | H-040-38112 | 12    | 46.33  | 1.824    |
| H-040-38106 | 6     | 23.47  | 0.924    |             |       |        |          |
| H-040-38107 | 7     | 27.28  | 1.074    | H-040-38116 | 16    | 61.57  | 2.424    |
| H-040-38108 | 8     | 31.09  | 1.224    |             |       |        |          |



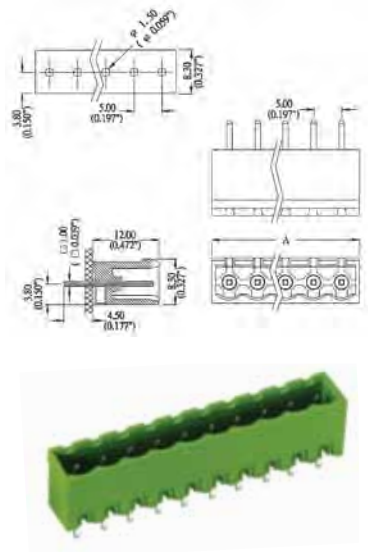
# PRINTED CIRCUIT BOARD

## HEADERS

### HEADERS • CLOSED 180° • PITCH: 5.00 MM

#### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 1.0 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-O)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.5 MM                  |

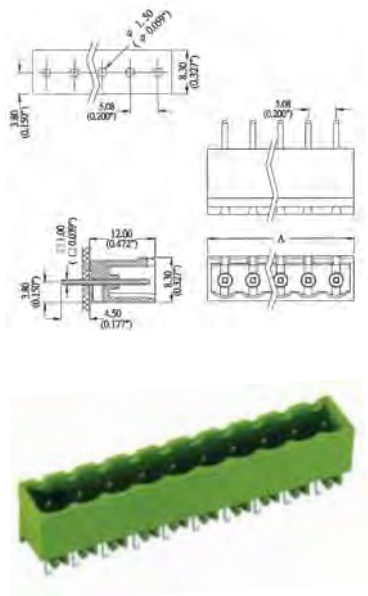


| ITEM NO.    | POLES | A (MM) | A (INCH) | ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-040-50002 | 2     | 11.60  | 0.457    | H-040-50009 | 9     | 46.60  | 1.835    |
| H-040-50003 | 3     | 16.60  | 0.654    | H-040-50010 | 10    | 51.60  | 2.031    |
| H-040-50004 | 4     | 21.60  | 0.850    | H-040-50011 | 11    | 56.60  | 2.228    |
| H-040-50005 | 5     | 26.60  | 1.047    | H-040-50012 | 12    | 61.60  | 2.425    |
| H-040-50006 | 6     | 31.60  | 1.244    |             |       |        |          |
| H-040-50007 | 7     | 36.60  | 1.441    | H-040-50016 | 16    | 121.60 | 4.787    |
| H-040-50008 | 8     | 41.60  | 1.638    |             |       |        |          |

### HEADERS • CLOSED 180° • PITCH: 5.08 MM

#### TECHNICAL

|                               |                           |
|-------------------------------|---------------------------|
| SOLDER PIN:                   | 1.0 MM, BRASS, TIN PLATED |
| INSULATING BODY:              | POLYAMIDE66 (UL94V-O)     |
| COLOR:                        | GREEN                     |
| OPERATION TEMPERATURE:        | -55°C TO +105°C           |
| SHORT-TIME TEMPERATURE:       | UP TO 250°C (+482°F)      |
| CURRENT RATING:               | 12 AMP AC300V             |
| INSULATION WITHSTANDING VOLT: | AC2000V MIN               |
| INSULATION RESISTANCE:        | >5000Ω AT DC500V          |
| PDB HOLE DIAMETER:            | φ 1.5 MM                  |



| ITEM NO.    | POLES | A (MM) | A (INCH) | ITEM NO.    | POLES | A (MM) | A (INCH) |
|-------------|-------|--------|----------|-------------|-------|--------|----------|
| H-040-50802 | 2     | 11.76  | 0.463    | H-040-50809 | 9     | 47.32  | 1.863    |
| H-040-50803 | 3     | 16.84  | 0.663    | H-040-50810 | 10    | 52.40  | 2.063    |
| H-040-50804 | 4     | 21.92  | 0.863    | H-040-50811 | 11    | 57.48  | 2.263    |
| H-040-50805 | 5     | 27.00  | 1.063    | H-040-50812 | 12    | 62.56  | 2.463    |
| H-040-50806 | 6     | 32.08  | 1.263    |             |       |        |          |
| H-040-50807 | 7     | 37.16  | 1.463    | H-040-50816 | 16    | 123.52 | 4.863    |
| H-040-50808 | 8     | 42.24  | 1.663    |             |       |        |          |



## SCREWDRIVERS

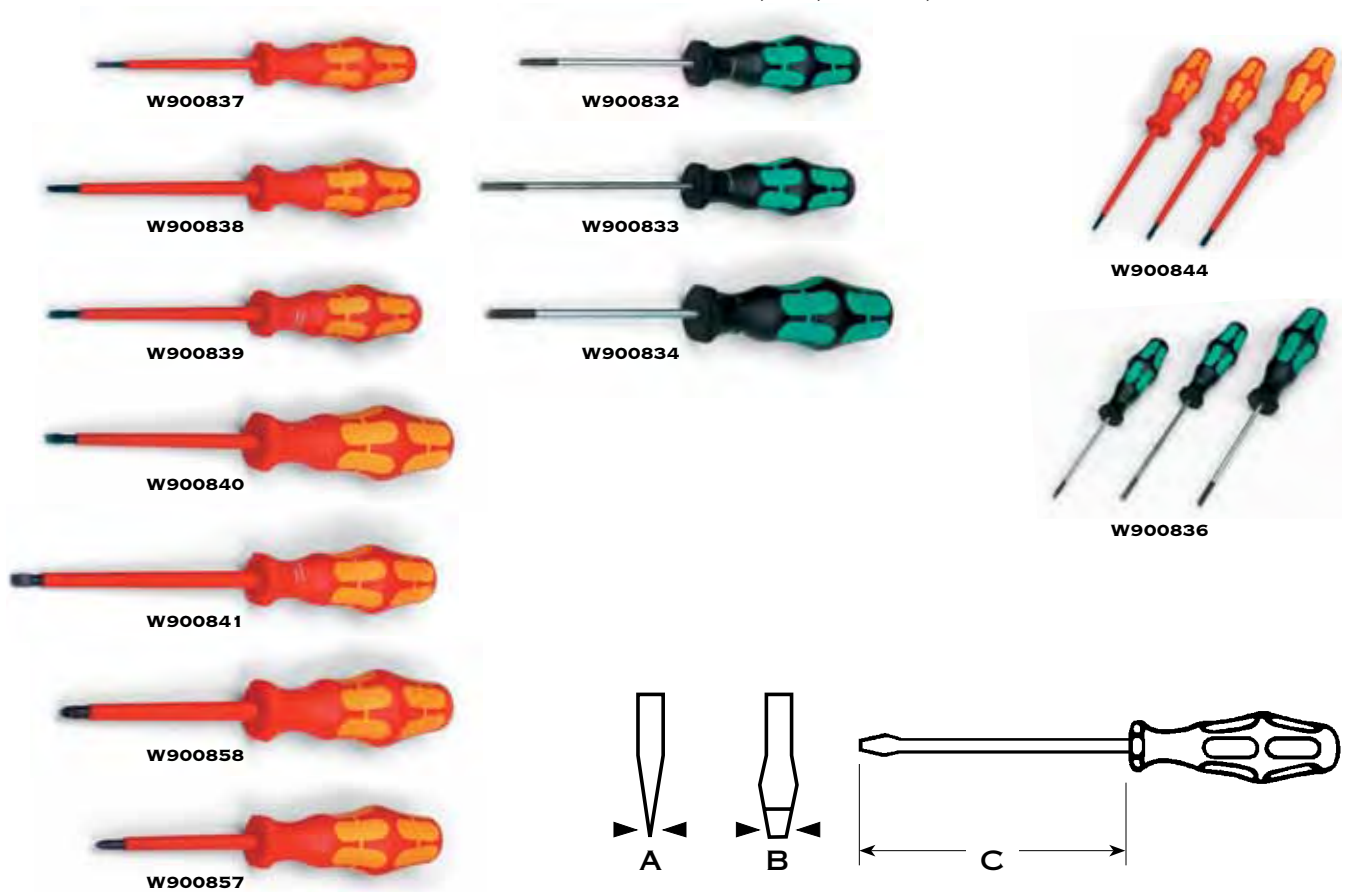
THE ERGONOMIC DESIGN OF OUR SCREWDRIVER HANDLES EFFICIENTLY HELP TO PROVIDE THE PROPER TIGHTENING TORQUE FOR YOUR TERMINAL BLOCK APPLICATION. INSULATION IS RATED AT 10,000V FOR YOUR SAFETY. THE TIPS OF OUR SCREWDRIVERS ARE MADE OF HARDENED STEEL FOR A LONGER TOOL LIFE.



## SCREWDRIVERS FOR TERMINAL BLOCKS

### FEATURES

- ERGONOMIC HANDLE PROVIDES PROPER TIGHTENING TORQUE
- IMPACT RESISTANT MATERIAL USED TO PROVIDE LONG LASTING USE
- INSULATION SLEEVE PROVIDES ISOLATION UP TO 10,000 V
- APPROVALS: DIN - VDE 0680/2, ISO, IEC 900, EN 60900



| DESCRIPTION                            | PART NO.                                                     | A (MM) | B (MM) | C (MM) |
|----------------------------------------|--------------------------------------------------------------|--------|--------|--------|
| INSULATED SCREWDRIVERS                 | W900837                                                      | 0.4    | 2.5    | 80     |
|                                        | W900838                                                      | 0.5    | 3.0    | 100    |
|                                        | W900839                                                      | 0.6    | 3.5    | 100    |
|                                        | W900840                                                      | 0.8    | 4.0    | 100    |
|                                        | W900841                                                      | 1.0    | 5.5    | 125    |
| KIT FOR INSULATED SCREWDRIVERS (3)     | W900844<br>(INCLUDES ONE OF EACH: W900838, W900839, W900840) |        |        |        |
| NON-INSULATED SCREWDRIVERS             | W900832                                                      | 0.5    | 3.0    | 80     |
|                                        | W900833                                                      | 0.6    | 3.5    | 100    |
|                                        | W900834                                                      | 0.8    | 4.0    | 100    |
| KIT FOR NON-INSULATED SCREWDRIVERS (3) | W900836<br>(INCLUDES ONE OF EACH: W900832, W900833, W900834) |        |        |        |
| INSULATED PHILLIPS SCREWDRIVER         | W900858 (100 MM)                                             |        |        |        |
| NON-INSULATED PHILLIPS SCREWDRIVER     | W900857 (80 MM)                                              |        |        |        |



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| 165     | 124    | 1160.42 | 173    | 5200.09 | 209    | 5716     | 212    | 8063.85 | 228    | 8300.32 | 243    |
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| 1000.16 | 172    | 1160.75 | 168    | 5200.16 | 209    | 5725     | 212    | 8207.40 | 246    | 8708.08 | 262    |
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| 1000.21 | 172    | 1183.25 | 216    | 5200.21 | 209    | 8000.06  | 242    | 8211    | 246    | 8711.08 | 263    |
| 1000.25 | 168    | 1183.32 | 216    | 5200.25 | 208    | 8000.08  | 242    | 8211.40 | 246    | 8712.08 | 262    |
| 1000.29 | 172    | 1400.11 | 191    | 5200.29 | 209    | 8000.080 | 242    | 8212    | 246    | 8713.08 | 263    |
| 1000.32 | 168    | 1400.16 | 191    | 5200.32 | 208    | 8000.085 | 242    | 8212.40 | 246    | 8716.08 | 263    |
| 1000.36 | 172    | 1400.17 | 191    | 5200.40 | 208    | 8000.095 | 242    | 8213    | 246    | 8717.08 | 262    |
| 1000.40 | 168    | 1400.20 | 191    | 5210.07 | 209    | 8000.10  | 242    | 8213.40 | 246    | 8720.08 | 262    |
| 1000.42 | 172    | 1400.21 | 191    | 5210.09 | 209    | 8000.100 | 242    | 8216    | 246    | 8721.08 | 263    |
| 1000.48 | 172    | 1400.25 | 191    | 5210.11 | 209    | 8000.105 | 242    | 8216.40 | 246    | 8725.08 | 262    |
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| 1000.63 | 168    | 1809.02 | 197    | 5210.13 | 209    | 8000.12  | 242    | 8217.40 | 246    | 8732.08 | 262    |
| 1000.75 | 168    | 1811.02 | 197    | 5210.16 | 209    | 8000.17  | 242    | 8220    | 246    | 8736.08 | 263    |
| 1007.52 | 192    | 1812.02 | 197    | 5210.17 | 208    | 8000.20  | 242    | 8220.40 | 246    | 8740.08 | 262    |
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| 1013.51 | 192    | 1825.02 | 197    | 5210.40 | 208    | 8000.75  | 242    | 8229.40 | 246    | 8745.32 | 263    |
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