

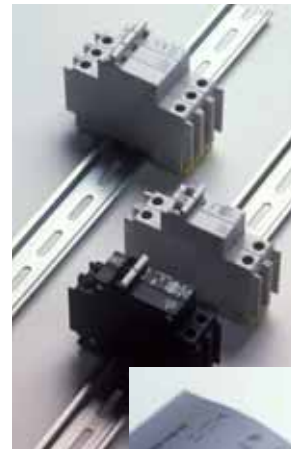


COMPANY HISTORY

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 10 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 ACCESSORIES. 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 AND 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.

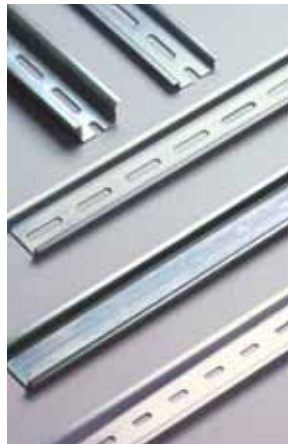
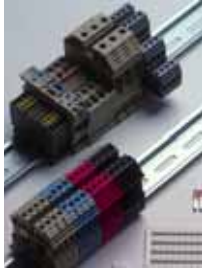




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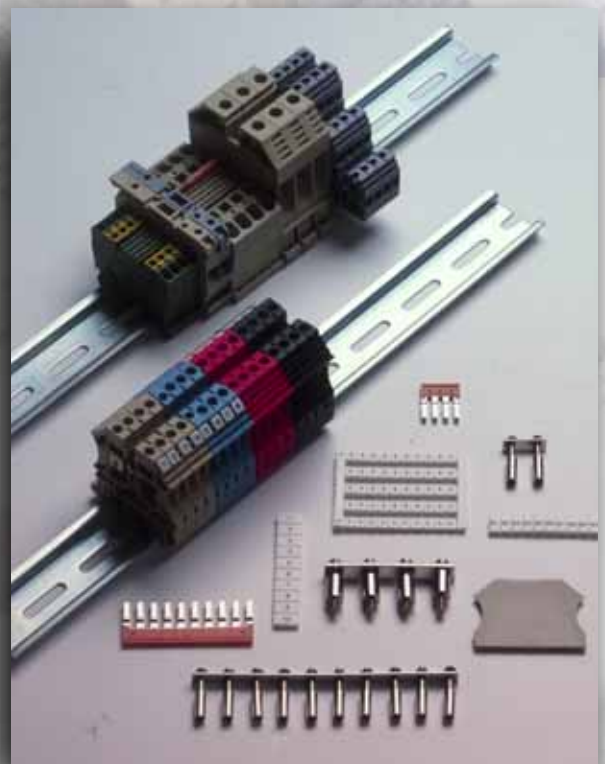
ALPHA-NUMERIC INDEX108



DIN RAIL MOUNTED TERMINAL BLOCKS

AMERICAN ELECTRICAL OFFERS THE KLEMSAN LINE OF COST, SPACE AND TIME SAVING TERMINAL BLOCKS. THE TERMINAL BLOCKS ARE DIN RAIL MOUNTABLE AND CAN BE INSTALLED INTO VARIOUS CONFIGURATIONS QUICKLY. KLEMSAN HAS OVER 30 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.

MODULAR TERMINAL BLOCKS ARE USED WORLDWIDE. OUR TERMINAL BLOCKS ARE USED IN ANY MACHINE CONTROL INTERFACE APPLICATION. WE SELL INTO THE PROCESS AND MACHINE CONTROL MARKETS AS WELL AS BUILDING AUTOMATION.



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 - 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.

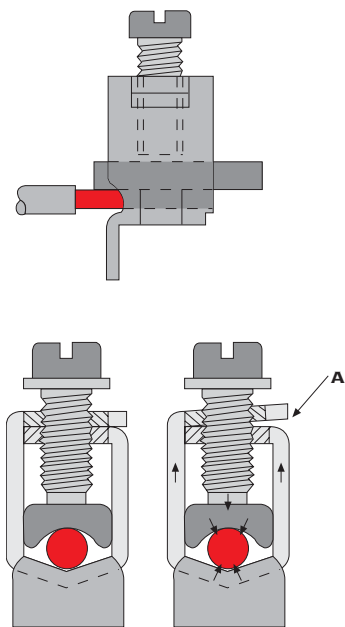
SCREWS – MADE OF STEEL AS WELL, THE SCREWS ACT AS A SYSTEM WITH THE CLAMPS – THIS SYSTEM REQUIRES THE SAME MATERIALS FOR EACH COMPONENT. THE SCREWS LIFT AND HELP TO SELF-LOCK THE CLAMPS PROVIDING A DOWNWARD FORCE ONTO THE CONDUCTORS. THE SCREWS ARE ALSO PLATED WITH A ZINC FINISH TO PREVENT ANY FORM OF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

CONNECTION TYPES

SCREW CONNECTION

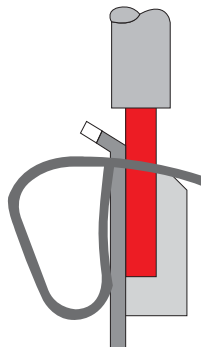
THIS IS THE MOST POPULAR OF ALL KNOWN CONNECTION METHODS. SCREW CONNECTION REFERS TO ANY CONNECTION IN WHICH THE CONDUCTOR IS STRIPPED OF ITS INSULATION AND CLAMPED WITHOUT ANY PREPARATION.

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.



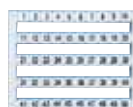
PARTITION – THE PARTITION ALLOWS VISUAL SEPARATION OF CIRCUITS AND FOR ELECTRICAL SEPARATION DUE TO ADJACENT CROSS CONNECTIONS.



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.





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
	AVK 2.5	NPP	APP
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
	AVK 4	NPP	APP
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
	AVK 6	NPP	APP
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
	AVK 10	NPP	APP
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 16	NPP	APP
GREY	304 160	444 160	462 160
BLUE	304 161	444 161	462 161
GREEN	304 162	444 162	462 162
YELLOW	304 163	444 163	462 163
RED	304 164	444 164	462 164
BEIGE	304 169	444 169	462 169
	AVK 35		
GREY	304 170		
BLUE	304 171		
GREEN	304 172		
YELLOW	304 173		
RED	304 174		
BEIGE	304 179		
	AVK 70		
GREY	304 190		
BLUE	304 191		
GREEN	304 192		
YELLOW	304 193		
RED	304 194		
BEIGE	304 199		

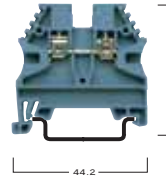
AVK SERIES

FEED-THROUGH TERMINALS AND ACCESSORIES



AVK 2.5

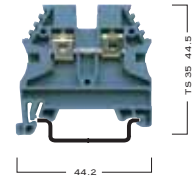
WIDTH 5 MM
304 120



TORQUE: 0.4 NM

AVK 4

WIDTH 6 MM
304 130



TORQUE: 0.5 NM

ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION

VDE (IEC 60947-7-1)

UL / CSA

ATEX

INSULATION STRIPPING LENGTH

CONNECTION DATA

SOLID STRAND, SCREW CONNECTION

FINE STRAND, SCREW CONNECTION

AWG CONDUCTOR

ORDERING DATA

POLYAMIDE 6.6 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 BRACKET

THICKNESS 8MM

KD 3



END PLATE - PARTITION

THICKNESS 1.5MM

POLYAMIDE 6.6

NPP



SMALL PARTITION

GREY



CROSS CONNECTION



TEST PLUG-SOC. / INS. TEST SOC.

TF

ITK

TSK



WARNING LABEL

IP

WITH SYMBOL

WITHOUT SYMBOL



GROUP MARKING

GREY

GE

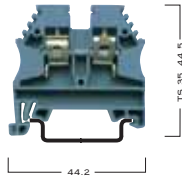
GE 2



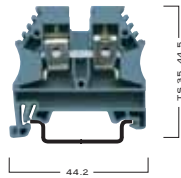
MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

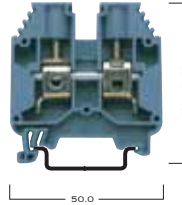
750V ~ / 26 A / 2.5 MM ²	750V ~ / 34 A / 4 MM ²		
750V ~ / 24 A / 2.5 MM ²	750V ~ / 32 A / 4 MM ²		
600V ~ / 20 A / AWG 26-12	600V ~ / 30 A / AWG 26-10		
630V ~ / 21 A / 2.5 MM ²	400V ~ / 28 A / 4 MM ²		
10MM	10 MM		
0.5 - 4 MM ²	0.5 - 6 MM ²		
1.5 - 2.5 MM ²	1.5 - 4 MM ²		
26 - 12	26 - 10		
PART No.	STD. Pk.	PART No.	STD. Pk.
304 120	100	304 130	100
TYPE	PART No. STD.Pk.	TYPE	PART No. STD.Pk.
SLOTTED		SLOTTED	
35X7.5 TS3575SL 2M		35X7.5 TS3575SL 2M	
35X7.5 TS3575SL1 1M		35X7.5 TS3575SL1 1M	
35X7.5 TS3575SL1-A 1M		35X7.5 TS3575SL1-A 1M	
35X15 TS3515SL 2M		35X15 TS3515SL 2M	
SOLID		SOLID	
35X7.5 TS3575SOL 2M		35X7.5 TS3575SOL 2M	
35X15 TS3515SOL 2M		35X15 TS3515SOL 2M	
KD 3 495 049 100		KD 3 495 049 100	
NPP 2.5-10 444 120 100		NPP 2.5-10 444 120 100	
AD1 467 919 100		AD 1 467 919 100	
UK 2.5/2 474 122 25		UK 4/2 474 132 25	
UK 2.5/3 474 123 20		UK 4/3 474 133 20	
UK 2.5/4 474 124 15		UK 4/4 474 134 15	
UK 2.5/10 474 129 5		UK 4/10 474 139 5	
TF (Ø2) 493 020 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 S 498 130 25	
IP 2 498 140 25		IP 2 498 140 25	
GE 496 119 50		GE 496 119 50	
GE 2 496 250 25		GE 2 496 250 25	

AVK 6WIDTH 8 MM
304 140

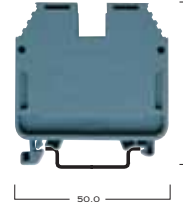
TORQUE: 0.8 NM

AVK 10WIDTH 10 MM
304 150

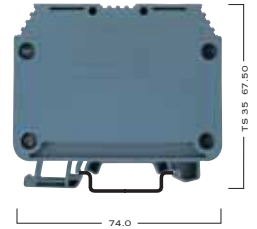
TORQUE: 1.2 NM

AVK 16WIDTH 12 MM
304 160

TORQUE: 1.2 NM

AVK 35WIDTH 16 MM
304 170

TORQUE: 2.5 NM

AVK 70WIDTH 22 MM
304 190

TORQUE: 6 NM

750V ~ / 44 A / 6 MM ²	750V ~ / 61 A / 10 MM ²	750V ~ / 82 A / 16 MM ²	750V ~ / 135 A / 35 MM ²	750V ~ / 192 A / 70 MM ²
630 V ~ / 41 A / 6 MM ²	630V ~ / 57 A / 10 MM ²	750V ~ / 76 A / 16 MM ²	750V ~ / 125 A / 35 MM ²	
600V ~ / 50 A / AWG 26-8	600V ~ / 65 A / AWG 16-6	600V ~ / 85 A / AWG 12-4	600V ~ / 115 A / AWG 10-2	600V ~ / 175 A / AWG 6-2/0
630V ~ / 36 A / 6 MM ²	500V ~ / 50 A / 10 MM ²	630V ~ / 66 A / 16 MM ²	630V ~ / 109 A / 35 MM ²	1000V ~ / 167 A / 70 MM ²
12 MM	12 MM	16 MM	18 MM	20 MM
0.5 – 10 MM ²	1.5 – 16 MM ²	1.5 – 16 MM ²	6 – 16 MM ²	10 – 16 MM ²
1.5 – 6 MM ²	1.5 – 10 MM ²	1.5 – 16 MM ²	10 – 35 MM ²	10 – 70 MM ²
26 – 8	16 – 6	14 – 4	8 – 1	6 – 2/0
PART No. STD. PK.	PART No. STD. PK.	PART No. STD. PK.	PART No. STD. PK.	PART No. STD. PK.
304 140 100	304 150 100	304 160 50	304 170 50	304 190 10
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
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-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
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
35x15 TS3515SOL 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	KD 3 495 049 100
NPP 2.5-10 444 120 100	NPP 2.5-10 444 120 100	NPP 16 444 160 100		
AD 1 467 919 100	AD 1 467 919 100			
UK 6/2 474 142 25	UK 10/2 474 152 25	UK 162/2 474 162 25	UK 35/2 474 172 25	
UK 6/3 474 143 20	UK 10/3 474 153 20	UK 16/3 474 163 20	UK 35/3 474 173 20	
UK 6/4 474 144 15	UK 10/4 474 154 15	UK 16/4 474 164 15	UK 35/4 474 174 15	
UK 6/10 474 149 5	UK10/10 474 159 5	UK 16/10 474 169 5	UK 35/10 474 179 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			
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 7 (Ø4) 490 070 5	TSK 7 (Ø4) 490 070 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 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 496 119 50
GE 2 496 250 25	GE 2 496 250 25	GE 2 496 250 25	GE 2 496 250 25	



AVK SERIES

GROUND TERMINALS

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

VOLTAGE/CURRENT/CROSS-SECTION

VDE (IEC 60947-7-1)

VDE (IEC 60947-7-2)

UL / CSA

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

END BRACKET

THICKNESS 8MM

KD 3



GREY

GROUP MARKING

GE



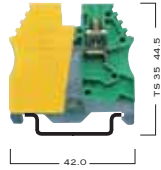
GREY

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

AVK 2.5 / 4 T

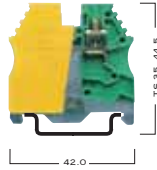
WIDTH 6 MM
334 120



TORQUE: 0.5 NM

AVK 6 / 10 T

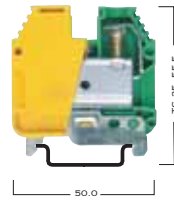
WIDTH 10 MM
334 140



TORQUE: 1.2 NM

AVK 16 / 35 T

WIDTH 16 MM
334 160



TORQUE: 2.5 NM

-V~ / -A / 4MM²

-V~ / -A / 4MM²

26 – 10

10 MM

0.5 – 6 MM²

1.5 – 4 MM²

26 – 10

PART No.

334 120

STD. PK.

50

-V~ / -A / 10MM²

-V~ / -A / 10MM²

16 – 8

12 MM

1.5 – 16 MM²

1.5 – 10 MM²

16 – 6

PART No.

334 140

STD. PK.

25

-V~ / -A / 35MM²

-V~ / -A / 35MM²

10 – 2

18 MM

6 – 16 MM²

10 – 35 MM²

8 – 1

PART No.

334 160

STD. PK.

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

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

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

GE

496 119

50

GE

496 119

50

GE

496 119

50



PEK SERIES

FEED-THROUGH TERMINALS AND ACCESSORIES

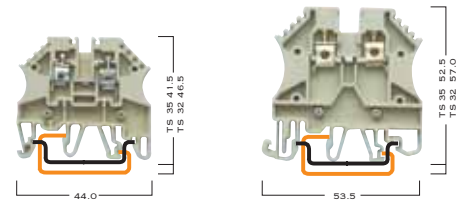
PEK 2.5 K

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
	PEK 2.5 K	NPP	APP
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
	PEK 2.5	NPP	APP
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
	PEK 4	NPP	APP
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
	PEK 6	NPP	APP
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
	PEK 10	NPP	APP
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
	PEK 16	NPP	APP
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
	PEK 35	NPP	APP
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
	PEK 35 I	NPP	APP
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



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

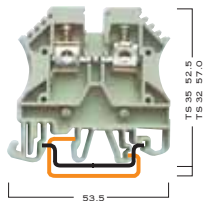
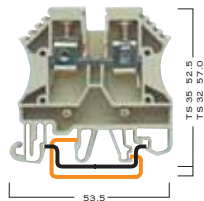
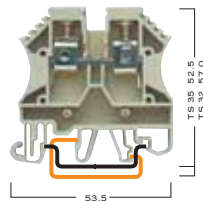
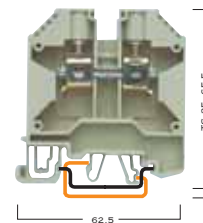
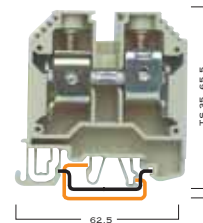
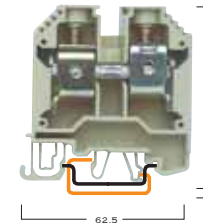
IP WITH SYMBOL WITHOUT SYMBOL
IP 1 S 498 110 25 IP 2 S 498 130 25
IP 1 498 120 25 IP 2 498 140 25

GROUP MARKING

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

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

PEK 4WIDTH 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 ²	750 V~/44 A/6 MM ²	750 V~/61 A/10 MM ²	750 V~/82 A/16 MM ²	750 V~/135 A/35 MM ²	750 V~/135 A/35 MM ²
750 V~/32 A/4 MM ²	750 V~/41 A/6 MM ²	750 V~/57 A/10 MM ²	750 V~/76 A/16 MM ²	750 V~/125 A/35 MM ²	750 V~/125 A/35 MM ²
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 ²	0.5 - 10 MM ²	1.5 - 16 MM ²	1.5 - 16 MM ²	6 - 16 MM ²	6 - 16 MM ²
1.5 - 4 MM ²	1.5 - 6 MM ²	1.5 - 10 MM ²	1.5 - 16 MM ²	6 - 35 MM ²	6 - 35 MM ²
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
NPP2.5-10 445 150 100	NPP2.5-10 445 150 100	NPP2.5-10 445 150 100	NPP16-35 445 170 25	NPP16-35 445 170 25	NPP16-35 445 170 25
APP2.5-10 463 150 25	APP2.5-10 463 150 25	APP2.5-10 463 150 25	APP16-35 463 170 25	APP16-35 463 170 25	APP16-35 463 170 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			
TSK4(Ø2.3) 490 040 5	TSK4(Ø2.3) 490 040 5	TSK4(Ø2.3) 490 040 5	TSK8(Ø4) 490 080 5	TSK9(Ø4) 490 090 5	TSK9(Ø4) 490 090 5
TSK7(Ø4) 490 070 5	TSK7(Ø4) 490 070 5	TSK7(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 TERMINALS

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

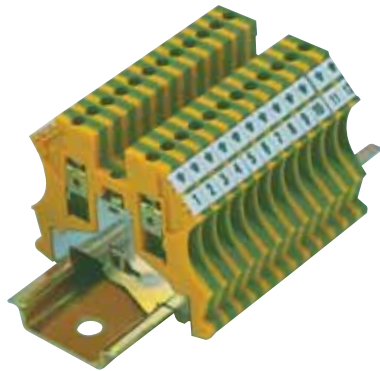
CONNECTION DATA

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



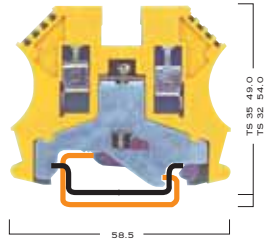
BEIGE

MARKING TAGS

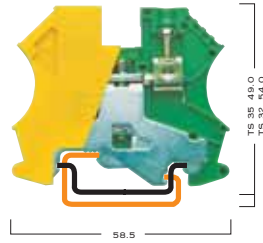
SEE PAGE 34 FOR FURTHER DETAIL.

WGT 2.5

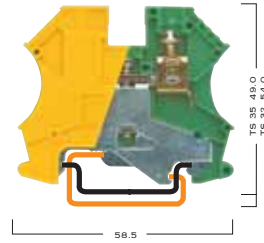
WIDTH 5 MM
331 120

**WGT 4**

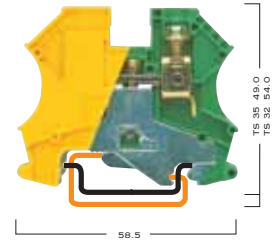
WIDTH 6 MM
331 130

**WGT 6**

WIDTH 8 MM
331 140

**WGT 10**

WIDTH 10 MM
331 150



- V~ / - A / 2.5 MM²
- V~ / - A / 2.5 MM²
- V~ / - A / AWG 26-12

12 MM

0.5 - 4 MM²
1.5 - 2.5 MM²
26 - 12

PART No. STD. PK.
331 120 50

- V~ / - A / 4 MM²
- V~ / - A / 4 MM²
- V~ / - A / AWG 26-12

12 MM

0.5 - 6 MM²
1.5 - 4 MM²
26 - 10

PART No. STD. PK.
331 130 50

- V~ / - A / 6 MM²
- V~ / - A / 6 MM²
- V~ / - A / AWG 26-8

12 MM

0.5 - 10 MM²
1.5 - 6 MM²
20 - 8

PART No. STD. PK.
331 140 40

- V~ / - A / 10 MM²
- V~ / - A / 10 MM²
- V~ / - A / AWG 16-8

12 MM

0.5 - 16 MM²
1.5 - 10 MM²
16 - 6

PART No. STD. PK.
331 150 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

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

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

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



YBK SERIES

TENSION CLAMP TERMINALS

TENSION 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 TENSION 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.



ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION
UL

INSULATION STRIPPING LENGTH

CONNECTION DATA

SOLID STRAND, CLAMP CONNECTION
FINE STRAND, CLAMP CONNECTION
AWG CONDUCTOR

ORDERING DATA

POLYAMIDE 6.6
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
GREY



END PLATE

THICKNESS 1.2MM
POLYAMIDE 6.6
BEIGE
GREY



CROSS CONNECTION



TEST PLUG



WARNING LABEL



WITH SYMBOL
WITHOUT SYMBOL

GROUP MARKING

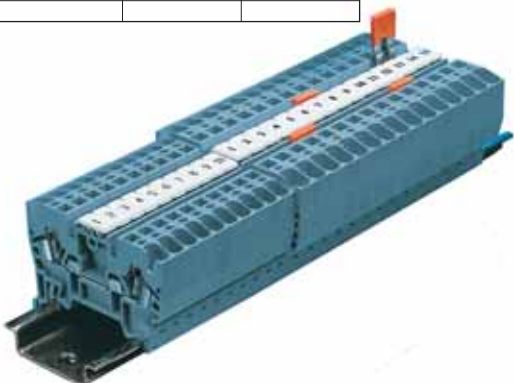


BEIGE
GREY

MARKING TAGS

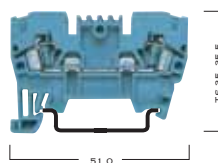
SEE PAGE 34 FOR FURTHER DETAIL.

COLORS	TERMINALS	END PLATE
	PART NUMBER	PART NUMBER
	YBK 2.5	NPP
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
	YBK 4	NPP
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
	YBK 6	NPP
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
	YBK 10	NPP
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

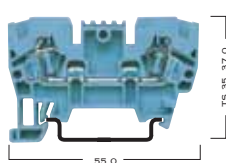


YBK 2.5

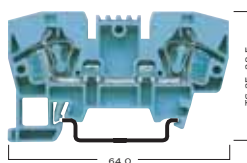
WIDTH 5 MM
306 220 BEIGE
306 229 GREY

**YBK 4**

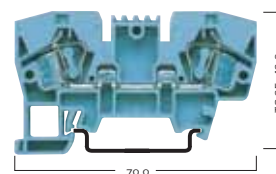
WIDTH 6 MM
306 230 BEIGE
306 239 GREY

**YBK 6**

WIDTH 8 MM
306 240 BEIGE
306 249 GRAU / GREY

**YBK 10**

WIDTH 10 MM
306 250 BEIGE
306 259 GREY



750 V~ / 22 A / 2.5 MM ²			750 V~ / 30 A / 4 MM ²			750 V~ / 40 A / 6 MM ²			750 V~ / 63 A / 10 MM ²		
600 V~ / 20 A / AWG 22-12			600 V~ / 26 A / AWG 22-10			600 V~ / 35 A / AWG 22-8			600 V~ / 55 A / AWG 20-6		
10 MM			12 MM			13 MM			13 MM		
0.5 - 2.5 MM ²			0.5 - 4 MM ²			0.5 - 6 MM ²			0.5 - 10 MM ²		
0.5 - 2.5 MM ²			0.5 - 4 MM ²			0.5 - 6 MM ²			0.5 - 10 MM ²		
22 - 12			22 - 10			22 - 8			20 - 6		
PART NO.	STD. PK.		PART NO.	STD. PK.		PART NO.	STD. PK.		PART NO.	STD. PK.	
306 220	100		306 230	100		306 240	100		306 250	100	
306 229	100		306 239	100		306 249	100		306 259	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	495 040	100	KD 3	495 040	100	KD 3	495 040	100	KD 3	495 040	100
KD 3	495 049	100	KD 3	495 049	100	KD 3	495 049	100	KD 3	495 049	100
NPP	446 320	100	NPP	446 330	100	NPP	446 340	100	NPP	446 350	100
NPP	446 329	100	NPP	446 339	100	NPP	446 349	100	NPP	446 359	100
UK 2.5/2	476 222	25	UK 4/2	476 232	25	UK 6/2	476 242	25	UK 10/2	476 252	25
UK 2.5/3	476 223	20	UK 4/3	476 233	20	UK 6/3	476 243	20	UK 10/3	476 253	20
UK 2.5/4	476 224	15	UK 4/4	476 234	15	UK 6/4	476 244	15	UK 10/4	476 254	15
UK 2.5/10	476 229	5	UK 4/10	476 239	5	UK 6/10	476 249	5			
TF (Ø2)	493 020	5	TF (Ø2)	493 020	5	TF (Ø2)	493 020	5	TF (Ø2)	493 020	5
IP 4 S	498 160	25	IP 4 S	498 160	25	IP 4 S	498 160	25	IP 4 S	498 160	25
IP 4	498 170	25	IP 4	498 170	25	IP 4	498 170	25	IP 4	498 170	25
GE	496 110	50	GE	496 110	50	GE	496 110	50	GE	496 110	50
GE	496 119	50	GE	496 119	50	GE	496 119	50	GE	496 119	50



YBK SERIES

TENSION CLAMP GROUND TERMINALS

THE YBK TENSION 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 PROCESS IS COMPLETED.



ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION
UL

INSULATION STRIPPING LENGTH

CONNECTION DATA

SOLID STRAND, CLAMP CONNECTION
FINE STRAND, CLAMP 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

END BRACKET

THICKNESS 8MM

BEIGE
GREY

KD 3



END PLATE

THICKNESS 1.2MM
POLYAMIDE 6.6

GREEN

NPP



GROUP MARKING

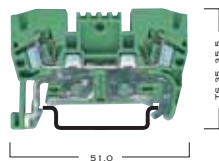
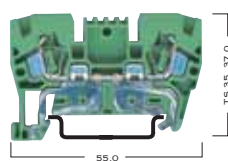
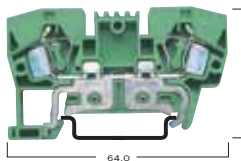
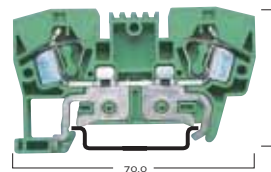
GE

BEIGE
GREY



MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

YBK 2.5 TWIDTH 5 MM
336 220**YBK 4 T**WIDTH 6 MM
336 230**YBK 6 T**WIDTH 8 MM
336 240**YBK 10 T**WIDTH 10 MM
336 250

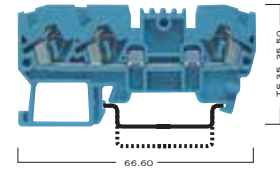
- V~ / - A / 2.5 MM ²			- V~ / - A / 4 MM ²			- V~ / - A / 6 MM ²			- V~ / - A / 10 MM ²		
600 V~ / 20 A / AWG 22-12			600 V~ / 26 A / AWG 22-10			600 V~ / 35 A / AWG 22-8			600 V~ / 55 A / AWG 20-6		
10 MM			12 MM			13 MM			13 MM		
0.5 - 2.5 MM ²			0.5 - 4 MM ²			0.5 - 6 MM ²			0.5 - 10 MM ²		
0.5 - 2.5 MM ²			0.5 - 4 MM ²			0.5 - 6 MM ²			0.5 - 10 MM ²		
22 - 12			22 - 10			22 - 8			20 - 6		
PART No.	STD. PK.		PART No.	STD. PK.		PART No.	STD. PK.		PART No.	STD. PK.	
336 220	50		336 230	50		336 240	40		336 250	30	
TYPE			TYPE			TYPE			TYPE		
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			KD 3			KD 3			KD 3		
	495 040	100		495 040	100		495 040	100		495 040	100
KD 3	495 049	100	KD 3	495 049	100	KD 3	495 049	100	KD 3	495 049	100
NPP			NPP			NPP			NPP		
	446 322	100		446 332	100		446 342	100		446 352	100
GE			GE			GE			GE		
	496 110	50		496 110	50		496 110	50		496 110	50
GE	496 119	50	GE	496 119	50	GE	496 119	50	GE	496 119	50



YBK SERIES

YBK 2.5 E

WIDTH 5 MM
326 050 BEIGE
326 059 GREY



ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION

750 V~ / 24 A / 2.5 MM²

INSULATION STRIPPING LENGTH

13 MM

CONNECTION DATA

SOLID STRAND, CLAMP CONNECTION

0.5 - 2.5 MM²

FINE STRAND, CLAMP CONNECTION

0.5 - 2.5 MM²

AWG CONDUCTOR

22 - 12

ORDERING DATA

POLYAMIDE 6.6

BEIGE

PART No.

STD. PK.

GREY

326 050

50

YELLOW-GREEN

326 059

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 BRACKET

THICKNESS 8MM

BEIGE

GREY

KD 3



KD 3

495 040

100

KD 3

495 049

100

END PLATE

THICKNESS 1.2MM

NPP

BEIGE

POLYAMIDE 6.6

GREY

GREEN



NPP

446 210

10

NPP

446 219

10

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

TEST PLUG

TF



TF (Ø2)

493 020

5

GROUP MARKING

GE



BEIGE

GREY

GE

496 110

50

GE

496 119

50

MARKING TAGS

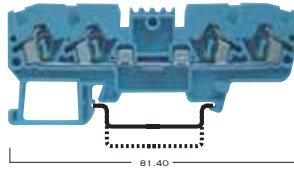
SEE PAGE 34 FOR FURTHER DETAIL.

YBK 2.5 C

WIDTH 5 MM

326 100 BEIGE

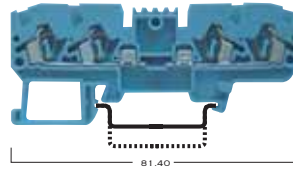
326 109 GREY

**YBK 2.5 CX2**

WIDTH 5 MM

326 200 BEIGE

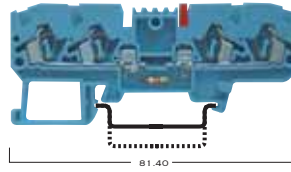
326 209 GREY

**YBK 2.5 CD**

WIDTH 5 MM

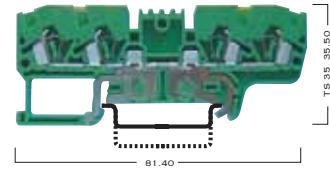
326 210 BEIGE

326 219 GREY

**YBK 2.5 CT**

WIDTH 5 MM

336 100

GROUND
TERMINAL750 V~ / 24 A / 2.5 MM²750 V~ / 24 A / 2.5 MM²750 V~ / 24 A / 2.5 MM²- V~ / - A / 2.5 MM²

13 MM

13 MM

13 MM

13 MM

0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²0.5 - 2.5 MM²

22 - 12

22 - 12

22 - 12

22 - 12

PART NO.

STD. PK.

PART NO.

STD. PK.

PART NO.

STD. PK.

PART NO.

STD. PK.

326 100**50****326 200****50****326 210****50****326 109****50****326 209****50****326 219****50****336 100****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

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

495 040

100

KD 3

495 040

100

KD 3

495 040

100

KD 3

495 040

100

KD 3

495 049

100

KD 3

495 049

100

KD 3

495 049

100

KD 3

495 049

100

NPP

446 270

10

NPP

446 270

10

NPP

446 270

10

NPP

446 279

10

NPP

446 279

10

NPP

446 279

10

NPP

446 272

10

UK 2.5/2

476 222

25

UK 2.5/2

476 222

25

UK 2.5/2

476 222

25

UK 2.5/3

476 223

20

UK 2.5/3

476 223

20

UK 2.5/3

476 223

20

UK 2.5/4

476 224

15

UK 2.5/4

476 224

15

UK 2.5/4

476 224

15

UK 2.5/10

476 229

5

UK 2.5/10

476 229

5

UK 2.5/10

476 229

5

TF (Ø2)

493 020

5

TF (Ø2)

493 020

5

TF (Ø2)

493 020

5

TF (Ø2)

493 020

5

GE

496 110

50

GE

496 110

50

GE

496 110

50

GE

496 110

50

GE

496 119

50

GE

496 119

50

GE

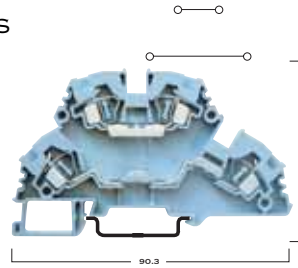
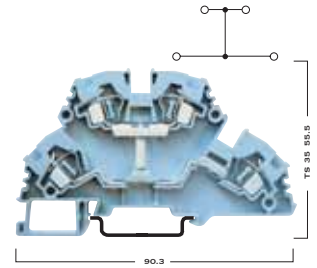
496 119

50

GE

496 119

50

**YBK SERIES****DOUBLE-DECK
TENSION CLAMP TERMINALS****YBK 4-2F**WIDTH 6 MM
318 109**YBK 4-2FK**WIDTH 6 MM
318 129**ELECTRICAL RATINGS**VOLTAGE/CURRENT/CROSS-SECTION
UL750 V~ / 30 A / 4 MM²
600 V~ / 26 A / AWG 22-10750 V~ / 30 A / 4 MM²
600 V~ / 26 A / AWG 22-10

INSULATION STRIPPING LENGTH

12 MM

12 MM

CONNECTION DATA

SOLID STRAND, SCREW CONNECTION

0.5 - 4 MM²0.5 - 4 MM²

FINE STRAND, SCREW CONNECTION

0.5 - 4 MM²0.5 - 4 MM²

AWG CONDUCTOR

22 - 10

22 - 10

ORDERING DATA

POLYAMIDE 6.6

BEIGE

PART No.

STD. PK.

PART No.

STD. PK.

318 100

50

318 120

20

GREY

318 109

50

318 129

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

495 040

100

KD 3

495 049

100

KD 3

495 040

100

495 049

100

END PLATE - PARTITION

THICKNESS 1.5MM

POLYAMIDE 6.6

NPP



BEIGE

GREY

NPP

446 260

25

NPP

446 269

25

NPP

446 260

25

446 269

25

CROSS CONNECTION

UK 4/2

476 232

25

UK 4/3

476 233

20

UK 4/4

476 234

15

UK 4/10

476 239

5

UK 4/2

476 232

25

476 233

20

476 234

15

476 239

5

TEST PLUG-SOC. / INS. TEST SOC.

TF



TF (Ø2)

493 020

5

TF (Ø2)

493 020

5

GROUP MARKING

GE



BEIGE

GREY

GE

496 110

50

GE

496 119

50

GE

496 110

50

496 119

50

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

PIK 4N SERIES

DOUBLE-DECK TERMINALS AND ACCESSORIES

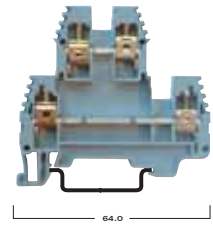


PIK 4 N

WIDTH 6 MM

319 100 BEIGE

319 109 GREY



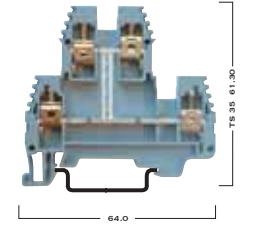
TORQUE: 0.5 NM

PIK 4 NK

WIDTH 6 MM

319 120 BEIGE

319 129 GREY



TORQUE: 0.5 NM

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

GREY

MOUNTING RAILS

TS 35x7.5

TS 35x15 SLOTTED

TS 35x7.5

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 - PARTITION

THICKNESS 1.5MM

POLYAMIDE 6.6

NPP



BEIGE

GREY

CROSS CONNECTION



TEST PLUG-SOC. / INS. TEST SOC.

TF

ITK

TSK



GROUP MARKING

GE



BEIGE

GREY

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

750 V~ / 34 A / 4 MM ²	750 V~ / 34 A / 4 MM ²
500 V~ / 32 A / 4 MM ²	500 V~ / 32 A / 4 MM ²
300 V~ / 32 A / AWG 26-10	300 V~ / 32 A / AWG 26-10
9 MM	9 MM
0.5 - 6 MM ²	0.5 - 6 MM ²
1.5 - 4 MM ²	1.5 - 4 MM ²
26 - 10	26 - 10
PART No. STD. PK.	PART No. STD. PK.
319 100 100	319 120 20
319 109 100	319 129 20
TYPE PART No. STD. PK.	TYPE PART No. STD. PK.
SLOTTED	SLOTTED
35x7.5 TS3575SL 2M	35x7.5 TS3575SL 2M
35x7.5 TS3575SL1 1M	35x7.5 TS3575SL1 1M
35x7.5 TS3575SL1-A 1M	35x7.5 TS3575SL1-A 1M
35x15 TS3515SL 2M	35x15 TS3515SL 2M
SOLID	SOLID
35x7.5 TS3575SOL 2M	35x7.5 TS3575SOL 2M
35x15 TS3515SOL 2M	35x15 TS3515SOL 2M
KD 3 495 040 100	KD 3 495 040 100
KD 3 495 049 100	KD 3 495 049 100
NPP 449 010 25	NPP 449 010 25
NPP 449 019 25	NPP 449 019 25
UK 4/2 474 132 25	UK 4/2 474 132 25
UK 4/3 474 133 20	UK 4/3 474 133 20
UK 4/4 474 134 15	UK 4/4 474 134 15
UK 4/10 474 139 5	UK 4/10 474 139 5
TF (Ø2.3) 493 023 5	TF (Ø2.3) 493 023 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 7 (Ø4) 490 070 5	TSK 7 (Ø4) 490 070 5
ITK 28 (Ø4) 492 010 5	ITK 28 (Ø4) 492 010 5
GE 496 110 50	GE 496 110 50
GE 496 119 50	GE 496 119 50



PUK SERIES

SCREW TYPE TERMINAL BLOCKS FOR INITIATORS, ACTUATORS AND MOTORS

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. THE PUK 3 AND PUK 2T BOTH HAVE AREAS FOR JUMPERING ONE OR TWO LEVELS. THIS IS PARTICULARLY TIME SAVING WHEN DAISY-CHAINING POWER OR GROUND (+ OR -).

THE PUK 2T AND PUK 3T ALLOW FEED THRU TERMINAL BLOCKS AS WELL AS DIRECT GROUNDING TO THE RAIL ASSEMBLY.



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

GREY
BEIGE

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

TS 32 & TS 35 / FOR BEIGE / GREY
TS 35 / FOR BEIGE / GREY

KD 3



END PLATE

THICKNESS 1.5MM
POLYAMIDE 6.6



NPP PUK 3



NPP PUK 2 T



NPP PUK 3T

BEIGE
GREY

SMALL PARTITION



BEIGE
GREY

CROSS CONNECTION



TEST PLUG-SOC. / INS. TEST SOC.

TF



TSK



GROUP MARKING

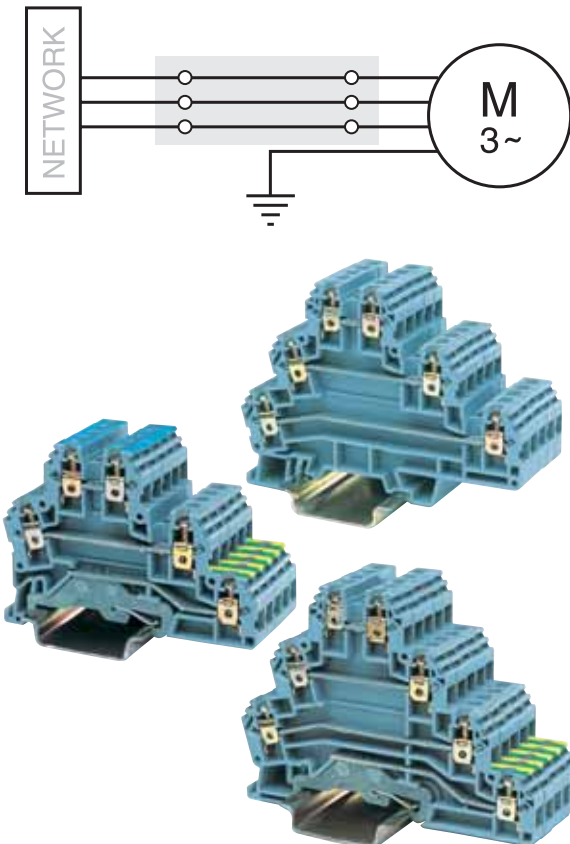
GE



BEIGE
GREY

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

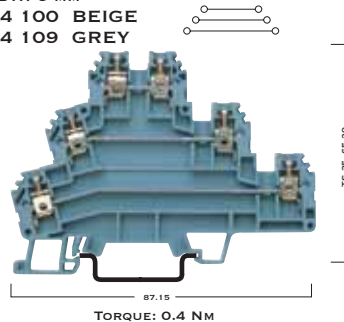


PUK 3

WIDTH 6 MM

324 100 BEIGE

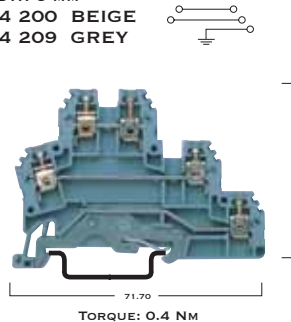
324 109 GREY

**PUK 2 T**

WIDTH 6 MM

324 200 BEIGE

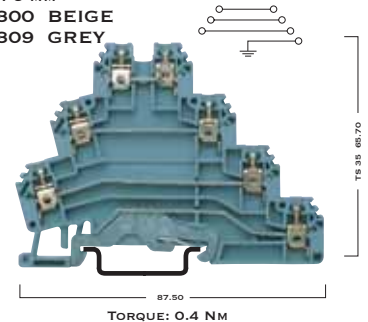
324 209 GREY

**PUK 3 T**

WIDTH 6 MM

324 300 BEIGE

324 309 GREY

500 V~ / 24 A / 2.5 MM²440 V~ / 24 A / 2.5 MM²

300 V~ / 24 A / 24...12 AWG

9 MM

0.5 - 4 MM²1.5 - 2.5 MM²

26 - 12

PART No.

STD. PK.

324 100**25****324 109****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

495 040 / 495 049

100

NPP

450 130

10

NPP

450 139

10

AD 1

467 910

100

AD 1

467 919

100

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(Ø2.3)

493 023

5

TSK 3 (Ø2.3)

490 030

5

GE

496 110

50

GE

496 119

50

500 V~ / 24 A / 2.5 MM²440 V~ / 24 A / 2.5 MM²

300 V~ / 24 A / 24...12 AWG

9 MM

0.5 - 4 MM²1.5 - 2.5 MM²

26 - 12

PART No.

STD. PK.

324 200**25****324 209****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

495 040 / 495 049

100

NPP

450 140

10

NPP

450 149

10

AD 1

467 910

100

AD 1

467 919

100

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(Ø2.3)

493 023

5

TSK 3 (Ø2.3)

490 030

5

GE

496 110

50

GE

496 119

50

500 V~ / 24 A / 2.5 MM²440 V~ / 24 A / 2.5 MM²

300 V~ / 24 A / 24...12 AWG

9 MM

0.5 - 4 MM²1.5 - 2.5 MM²

26 - 12

PART No.

STD. PK.

324 300**25****324 309****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

495 040 / 495 049

100

NPP

450 150

10

NPP

450 159

10

AD 1

467 910

100

AD 1

467 919

100

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(Ø2.3)

493 023

5

TSK 3 (Ø2.3)

490 030

5

GE

496 110

50

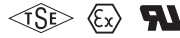
GE

496 119

50

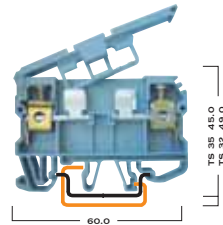
ASK SERIES

SCREW-TYPE
FUSE TERMINALS



ASK 2 S

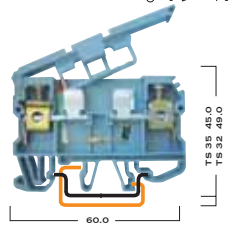
WIDTH 8 MM
351 100 BEIGE
351 109 GREY



TORQUE: 0.8 NM

ASK 2 LD

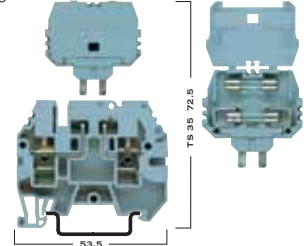
WIDTH 8 MM
--- 0 BEIGE
--- 9 GREY



TORQUE: 0.8 NM

ASK 3 F

WIDTH 6 MM
354 100 BEIGE
354 109 GREY



TORQUE: 0.5 NM

ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION
UL

500 V~ / 6.3 A / 6 MM ²	- V~ / 6.3 A / 6 MM ²	600 V~ / 6.3 A / 4 MM ²
300 V~ / 6.3 A / AWG 26-8	- V~ / 6.3 A / AWG 26-8	600 V~ / 10 A / AWG 26-10

FUSE SIZE

5x20, 5x25 MM	5x20, 5x25 MM	5x20, 5x25 MM
---------------	---------------	---------------

INSULATION STRIPPING LENGTH

12 MM	12 MM	12 MM
-------	-------	-------

CONNECTION DATA

SOLID STRAND, SCREW CONNECTION

0.5 -10 MM ²	0.5 -10 MM ²	0.5 -6 MM ²
-------------------------	-------------------------	------------------------

FINE STRAND, SCREW CONNECTION

1.5 -10 MM ²	1.5 -10 MM ²	1.5 -4 MM ²
-------------------------	-------------------------	------------------------

AWG CONDUCTOR

26 - 8	26 - 8	26 - 10
--------	--------	---------

ORDERING DATA

POLYAMIDE 6.6	BEIGE/GREY	351 100 / 351 109	50	351 220 / 351 229 (24V DC) 25	354 100 / 354 109	20
				351 310 / 351 319 (48V AC) 25		
				351 320 / 351 319 (48V DC) 25		
				351 510 / 351 519 (110V AC) 25		

MOUNTING RAILS

TS 35x7.5 TS 35x15 SLOTTED
TS 35x7.5 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.	TYPE	PART No.	STD. PK.	TYPE	PART No.	STD. PK.
SLOTTED			SLOTTED			SLOTTED		
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-A	1M	35x7.5	TS3575SL1-A	1M	35x7.5	TS3575SL1-A	1M
35x15	TS3515SL	2M	35x15	TS3515SL	2M	35x15	TS3515SL	2M
SOLID			SOLID			SOLID		
35x7.5	TS3575SOL	2M	35x7.5	TS3575SOL	2M	35x7.5	TS3575SOL	2M
35x15	TS3515SOL	2M	35x15	TS3515SOL	2M	35x15	TS3515SOL	2M

END BRACKET

THICKNESS 8MM
KD 3 BEIGE
KD 3 GREY



KD 3	495 040	100	KD 3	495 040	100	KD 3	495 040	100
KD 3	495 049	100	KD 3	495 049	100	KD 3	495 049	100

END PLATE - PARTITION

THICKNESS 1.5MM
POLYAMIDE 6.6 BEIGE
POLYAMIDE 6.6 GREY

NPP ASK 3 NPP ASK 2



NPP	450 040	10	NPP	450 040	10	NPP	450 050	10
NPP	450 049	10	NPP	450 049	10	NPP	450 059	10

CROSS CONNECTION



UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

GROUP MARKING

GE BEIGE
GE GREY



GE	496 110	50	GE	496 110	50	GE	496 110	50
GE	496 119	50	GE	496 119	50	GE	496 119	50

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.



YBK SERIES

TENSION CLAMP FUSE AND DISCONNECT TERMINALS

THE YBK SERIES FOR FUSE BLOCKS UTILIZE
SPRING CLAMP TECHNOLOGY AND FUSING FOR
5X20MM, 5X25MM AND 1 1/4" X 1/4" TYPES.



ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION
UL / CSA

FUSE SIZE
INSULATION STRIPPING LENGTH

CONNECTION DATA

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

ORDERING DATA

POLYAMIDE 6.6
GREY
BEIGE
GREY
BEIGE

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
BEIGE
GREY



END PLATE

THICKNESS 1.5MM
POLYAMIDE 6.6
NPP YBK S - YBK I
BEIGE
GREY



CROSS CONNECTION



GROUP MARKING

GE
BEIGE
GREY



MARKING TAGS

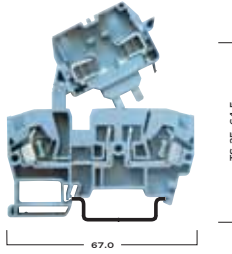
SEE PAGE 34 FOR FURTHER DETAIL.

YBK S

WIDTH 8 MM

355 110 BEIGE

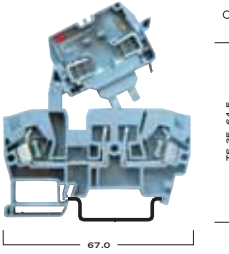
355 119 GREY

**YBK SLD**

WIDTH 8 MM

---0 BEIGE

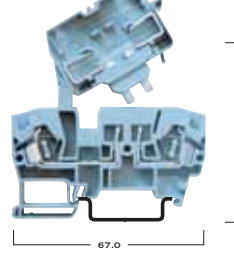
---9 GREY

**YBK I**

WIDTH 8 MM

355 120 BEIGE

355 129 GREY

500 V~ / - A / 4 MM²

600 V~ / - A / AWG 22-10

5x20, 5x25 MM

12 MM

0.5 -4 MM²0.5 -4 MM²

22 - 10

PART NO.

STD. PK.

355 110**20****355 119****20**- V~ / - A / 4 MM²

- V~ / - A / AWG 22-10

5x20, 5x25 MM

12 MM

0.5 -4 MM²0.5 -4 MM²

22 - 10

PART NO.

STD. PK.

355 720 (24V DC)**20****355 729** (24V DC)**20****355 750** (110V DC)**20****355 759** (110V DC)**20**500 V~ / - A / 4 MM²

600 V~ / - A / AWG 22-10

11/4x1/4"

12 MM

0.5 -4 MM²0.5 -4 MM²

22 - 10

PART NO.

STD. PK.

355 120**20****355 129****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

495 040

100

KD 3

495 049

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

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

450 060

10

NPP

450 069

10

NPP

450 060

10

NPP

450 069

10

NPP

450 060

10

NPP

450 069

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 6/2

476 242

25

UK 6/3

476 243

20

UK 6/4

476 244

15

UK 6/10

476 249

5

GE

496 110

50

GE

496 119

50

GE

496 110

50

GE

496 119

50

GE

496 110

50

GE

496 119

50

WGO SERIES

DISCONNECT TERMINALS

WGO 1

WIDTH 8 MM

--- -0- BEIGE

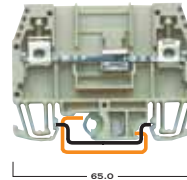
--- -9- GREY

WGO 2

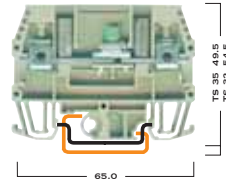
WIDTH 10 MM

--- -0- BEIGE

--- -9- GREY



TORQUE: 0.8 NM



TORQUE: 1.2 NM

ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION

IEC 60947-7-1

UL

INSULATION STRIPPING LENGTH

CONNECTION DATA

SOLID STRAND, SCREW CONNECTION

FINE STRAND, SCREW CONNECTION

AWG CONDUCTOR

ORDERING DATA

PART No.	STD. PK.
POLYAMIDE 6.6 W/O TEST SOCKET BEIGE	370 500
W/ TEST SOCKET BEIGE	370 501
DOUBLE TEST SOCKET BEIGE	370 502
W/O TEST SOCKET GREY	370 590
W/ TEST SOCKET GREY	370 591
DOUBLE TEST SOCKET GREY	370 592

MOUNTING RAILS

TYPE	PART No.	STD. PK.
TS 35x7.5	TS 35x15 SLOTTED	
TS 35x7.5	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	
THICKNESS 8MM	GREY
KD 3	



END PLATE

THICKNESS 1.5MM	BEIGE
NPP WGO 1-2	
THICKNESS 1.5MM	GREY
NPP WGO 1-2	



SMALL PARTITION

BEIGE
AD 2
GREY
AD 2



CROSS CONNECTION

UK 6/2	480 182	10
UK 6/3	480 183	10
UK 6/4	480 184	10
UK 6/10	480 189	5



SWITCHABLE CROSS CONNECTION LINKS

CK 6	485 506	10
CK 10	485 510	10



TEST PLUG-SOC. / INS. TEST SOC.

TF	TSK
ITK 32	492 020
TSK 6	490 060
ITK 35	492 030
TSK 6	490 060
TF 4	493 040

GROUP MARKING

GE	BEIGE
GE	
GE	GREY
GE	



MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.



YBK/AVK SERIES

TENSION CLAMP DISCONNECT TERMINALS

DISCONNECT TERMINAL

YBK 2.5A

THIS TERMINAL BLOCK IS A TENSION CLAMP TERMINAL THAT PROVIDES THE USER WITH THE ABILITY TO DISCONNECT THE CIRCUIT. ALSO TWO JUMPER CHANNELS ARE PROVIDED TO SUIT MOST ANY APPLICATION.



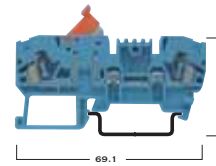
FUSE TERMINAL PLUS FEED THRU

AVK 4 FS

THIS TERMINAL BLOCK CAN PROTECT ONE LEG OF A CIRCUIT, WHILE FEEDING ANOTHER. IN 8MM THIS BLOCK CAN TERMINATE AND PROTECT MOST 2 WIRE SYSTEMS USING 5X20MM OR 5X25MM FUSES.

YBK 2.5 A

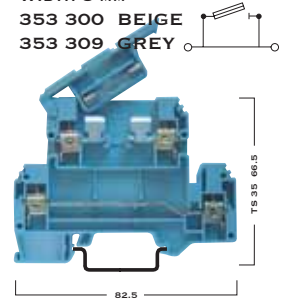
WIDTH 5 MM
353 200 BEIGE
353 209 GREY



TORQUE: 0.8 NM

AVK 4 FS

WIDTH 8 MM
353 300 BEIGE
353 309 GREY



TORQUE: 0.8 NM

ELECTRICAL RATINGS

VOLTAGE/CURRENT/CROSS-SECTION

750 V~ / 16 A / 2.5 MM²

750 V~ / 32 A / 4 MM²

FUSE SIZE

INSULATION STRIPPING LENGTH

10 MM

5x20, 5x25 MM

CONNECTION DATA

SOLID STRAND, SCREW CONNECTION

0.5 -2.5 MM²

0.5 -6 MM²

FINE STRAND, SCREW CONNECTION

0.5 -2.5 MM²

1.5 -4 MM²

AWG CONDUCTOR

22 - 12

24 - 10

ORDERING DATA

POLYAMIDE 6.6

BEIGE

PART No.

STD. PK.

PART No.

STD. PK.

353 200

50

GREY

353 209

50

353 300

50

353 309

50

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

GREY



KD 3

495 040

100

KD 3

495 049

100

KD 3

495 040

100

KD 3

495 049

100

END PLATE

THICKNESS 1.5MM

BEIGE

POLYAMIDE 6.6

GREY

NPP YBK S - YBK I

NPP

450 210

10

NPP

450 219

10

NPP

450 200

10

NPP

450 209

10

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 6/2

476 242

25

UK 6/3

476 243

20

UK 6/4

476 244

15

UK 6/10

476 249

5

GROUP MARKING

GE

BEIGE



GREY

GE

496 110

50

GE

496 119

50

GE

496 110

50

GE

496 119

50

MARKING TAGS

SEE PAGE 34 FOR FURTHER DETAIL.

PSK SERIES

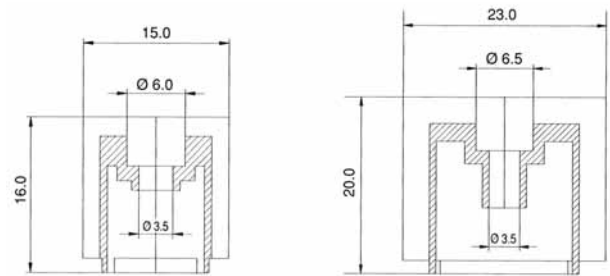
PSK 1

PSK 2

TERMINAL STRIPS



ELECTRICAL RATINGS						
VOLTAGE/CURRENT/CROSS-SECTION	380 V~ / 25 A / 2.5 MM²			600 V~ / 47 A / 6 MM²		
VDE (IEC 60998-1, IEC 60998-2-1)	400 V~ / 24 A / 2.5 MM²			600 V~ / 41 A / 6 MM²		
INSULATION STRIPPING LENGTH	5 MM			9 MM		
ORDERING DATA	TYPE	PART NO.	STD. PK.	TYPE	PART NO.	STD. PK.
CAN BE JOINED END TO END	PSK1/2 (2'Li)	420 020	100	PSK2/2 (2'Li)	421 020	100
	PSK1/12 (12'Li)	420 120	75	PSK2/10 (10'Li)	421 120	30



SK SERIES

SK 1-2-3-4

TERMINAL STRIPS



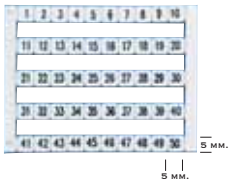
ELECTRICAL RATINGS												
VOLTAGE/CROSS-SECTION	380 V~ 450 V- / 2.5 MM²			380 V~ 450 V- / 4 MM²			380 V~ 450 V- / 6 MM²			380 V~ 450 V- / 10 MM²		
IEC 60998-1	450 V / 24 A / 2.5 MM²			450 V / 32 A / 4 MM²			450 V / 41 A / 6 MM²			450 V / 41 A / 10 MM²		
UL												
CONNECTION DATA												
SOLID STRAND, SCREW CONNECTION	0.75 – 4 MM²			0.75 – 6 MM²			0.75 – 10 MM²			0.75 – 16 MM²		
FINE STRAND, SCREW CONNECTION	1.5 – 2.5 MM²			1.5 – 4 MM²			1.5 – 6 MM²			1.5 – 10 MM²		
ORDERING DATA												
	TYPE	PART No.	STD. PK.	TYPE	PART No.	STD. PK.	TYPE	PART No.	STD. PK.	TYPE	PART No.	STD. PK.
BLACK (W/ SCREW BLOCKAGE, PASSIVE)	SK 1	430 012	50	SK 2	430 022	50	SK 3	430 032	50	SK 4	430 042	50
WHITE (W/ SCREW BLOCKAGE, NI COATED, NON-FLAMMABLE)	SK 1	432 012	50	SK 2	432 022	50	SK 3	432 032	50	SK 4	432 042	50



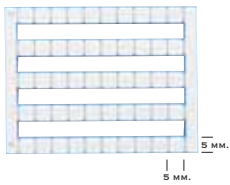
FEED-THROUGH TERMINAL ACCESSORIES

MARKING TAGS

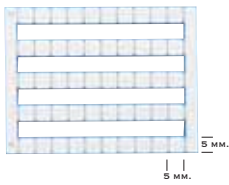
DY5 TYP / DY5 TYPE



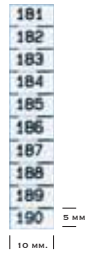
DB5 TYP / DB5 TYPE



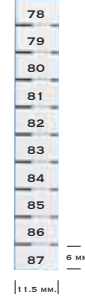
DYO 5 TYP / DYO 5 TYPE



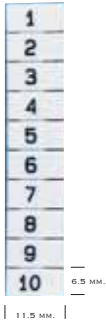
DB 10/5 TYP / TYPE DO 10/5 TYP / TYPE



DB 10/6 TYP / TYPE DB 10/6 TYP / TYPE



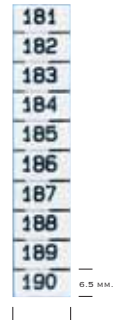
DY 10/6.5 TYP / TYPE



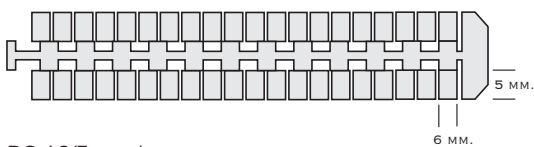
DB 10/6.5 TYP / TYPE



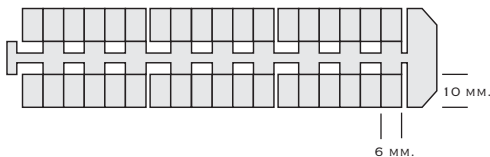
DO 10/6.5 TYP / TYPE



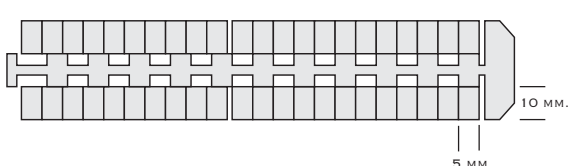
DG 5/6 TYP / TYPE



DG 10/5 TYP / TYPE



DG 10/6 TYP / TYPE



TYPE	DESCRIPTION	PART No.	STD PACK
DY 5	STANDARD PRINT	505 —	500
DYO 5	SPECIAL PRINT	505 650	500
DB 5	WITHOUT PRINT	505 850	500
DO 10/5	SPECIAL PRINT	505 710	500
DB 10/5	WITHOUT PRINT	505 910	500
DB 10/6	WITHOUT PRINT	505 915	500
DY 10/6.5	STANDARD PRINT	505 —	500
DO 10/6.5	SPECIAL PRINT	505 720	500
DB 10/6.5	WITHOUT PRINT	505 920	500
DG 5/6	WITHOUT PRINT	505 330	400
DG 10/5	WITHOUT PRINT	505 310	440
DG 10/6	WITHOUT PRINT	505 320	360

TYPE	DESCRIPTION	STD. PK.	TYPE	DESCRIPTION	STD. PK.
DY 5	0	505 000	DY 5	H	505 067
DY 5	1	505 001	DY 5	I	505 068
DY 5	2	505 002	DY 5	J	505 069
DY 5	3	505 003	DY 5	K	505 070
DY 5	4	505 004	DY 5	L	505 071
DY 5	5	505 005	DY 5	M	505 072
DY 5	6	505 006	DY 5	N	505 073
DY 5	7	505 007	DY 5	O	505 074
DY 5	8	505 008	DY 5	P	505 075
DY 5	9	505 009	DY 5	Q	505 076
DY 5	10	505 010	DY 5	R	505 077
DY 5	1-10	505 020	DY 5	S	505 078
DY 5	11-20	505 021	DY 5	T	505 079
DY 5	21-30	505 022	DY 5	U	505 080
DY 5	31-40	505.023	DY 5	V	505 081
DY 5	41-50	505 024	DY 5	W	505 082
DY 5	10-100	505 030	DY 5	X	505 083
DY 5	1-50	505 040	DY 5	Y	505 084
DY 5	51-100	505 041	DY 5	Z	505 085
DY 5	101-150	505 042	DY 5	L1	505 090
DY 5	151-200	505 043	DY 5	L2	505 091
DY 5	201-250	505 044	DY 5	L3	505 092
DY 5	251-300	505 045	DY 5	RSTN≠	505 093
DY 5	301-350	505 046	DY 5	MP	505 094
DY 5	351-400	505 047	DY 5	+	505 095
DY 5	401-450	505 048	DY 5	-	505 096
DY 5	451-500	505 049	DY 5	⊕	505 097
DY 5	501-550	505 050			
DY 5	551-600	505 051			
DY 5	601-650	505 052	DY 10/6.5	1-10	505 201
DY 5	651-700	505 053	DY 10/6.5	11-20	505 202
DY 5	701-750	505 054	DY 10/6.5	21-30	505 203
DY 5	751-800	505 055	DY 10/6.5	31-40	505 204
DY 5	801-850	505 056	DY 10/6.5	41-50	505 205
DY 5	851-900	505 057	DY 10/6.5	51-60	505 206
DY 5	901-950	505 058	DY 10/6.5	61-70	505 207
DY 5	951-999	505 059	DY 10/6.5	71-80	505 208
DY 5	A	505 060	DY 10/6.5	81-90	505 209
DY 5	B	505 061	DY 10/6.5	91-100	505 210
DY 5	C	505 062			
DY 5	D	505 063			
DY 5	E	505 064			
DY 5	F	505 065			
DY 5	G	505 066			

FEED-THROUGH TERMINAL ACCESSORIES

CABLE MARKING SLEEVES

MATERIAL: FLEXIBLE PLASTIC PVC FOR KG 1 – KG 2 (RESISTANT TO FLAME).

POLYAMIDE 6.6 FOR KE 1 – KE 2.

AMBIENT TEMPERATURE: -30° C AND + 70° C

EVERY PACKET CONTAINS ONLY ONE TYPE OF LETTER, NUMBER OR SIGN.



INS.EXT.
DIAMETER
2.4 – 4.4 mm²

FOR CONDUCTORS OF
0.75 – 4 mm²



INS.EXT.
DIAMETER
4.0 – 8.5 mm²

FOR CONDUCTORS OF
4 – 16 mm²



KE1

FOR CONDUCTORS OF
0.75 1.5 mm²



KE2

FOR CONDUCTORS OF
1.50 2.5 mm²



KE3

FOR CONDUCTORS OF
4 - 6 mm²

TYPE	FOR CONDUCTORS mm ²	QUANTITY
KG 1	0.75 – 4	100
KG 2	4 – 16	50
KE 1	0.75 – 1.5	500
KE 2	1.5 – 2.5	500
KE 3	4 – 6	500

	CHARACTER	CLOSED TYPE			OPEN TYPE			
		KG 1	KG 2	COLOR	KE 1	KE 2	KE 3	COLOR
NUMBERS	0	515 000	516 000		517 000	518 000	519 000	
	1	515 001	516 001		517 001	518 001	519 001	
	2	515 002	516 002		517 002	518 002	519 002	
	3	515 003	516 003		517 003	518 003	519 003	
	4	515 004	516 004		517 004	518 004	519 004	
	5	515 005	516 005		517 005	518 005	519 005	
	6	515 006	516 006		517 006	518 006	519 006	
	7	515 007	516 007		517 007	518 007	519 007	
	8	515 008	516 008		517 008	518 008	519 008	
	9	515 009	516 009		517 009	518 009	519 009	
LETTERS	A	515 010	516 010		517 010	518 010	519 010	
	B	515 011	516 011		517 011	518 011	519 011	
	C	515 012	516 012		517 012	518 012	519 012	
	D	515 013	516 013		517 013	518 013	519 013	
	E	515 014	516 014		517 014	518 014	519 014	
	F	515 015	516 015		517 015	518 015	519 015	
	G	515 016	516 016		517 016	518 016	519 016	
	H	515 017	516 017		517 017	518 017	519 017	
	I	515 018	516 018		517 018	518 018	519 018	
	J	515 019	516 019		517 019	518 019	519 019	
	K	515 020	516 020		517 020	518 020	519 020	
	L	515 021	516 021		517 021	518 021	519 021	
	M	515 022	516 022		517 022	518 022	519 022	
	N	515 023	516 023		517 023	518 023	519 023	
	O	515 024	516 024		517 024	518 024	519 024	
	P	515 025	516 025		517 025	518 025	519 025	
	Q	515 026	516 026		517 026	518 026	519 026	
	R	515 027	516 027		517 027	518 027	519 027	
	S				517 028	518 028	519 028	
	T				517 029	518 029	519 029	
	U	515 030	516 030		517 030	518 030	519 030	
	V	515 031	516 031		517 031	518 031	519 031	
	W	515 032	516 032		517 032	518 032	519 032	
	X	515 033	516 033		517 033	518 033	519 033	
	Y	515 034	516 034		517 034	518 034	519 034	
	Z	515 035	516 035		517 035	518 035	519 035	
SIGNS	MP	515 040	516 040		517 040	518 040	519 040	
	S	515 041	516 041					
	T	515 042	516 042					
	+	515 043	516 043		517 043	518 043	519 043	
	-	515 044	516 044		517 044	518 044	519 044	
	↓	515 045	516 045		517 045	518 045	519 045	
	(	515 046	516 046		517 046	518 046	519 046	
	.	515 047	516 047		517 047	518 047	519 047	
	/	515 048	516 048		517 048	518 048	519 048	



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 TELEMECHANIQUE AND THE W CODE ANOTHER EUROPEAN CODE DEVELOPED BY WEIDMULLER. BOTH TELEMECHANIQUE AND WEIDMULLER DO NOT MANUFACTURE WIRE FERRULES.

- INSULATED FERRULES
- INSULATED FERRULES FOR WIRES WITH THICK INSULATION
- FERRULES ON STRIPS
- FERRULES ON REELS
- TWO 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
- IMPROVED 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

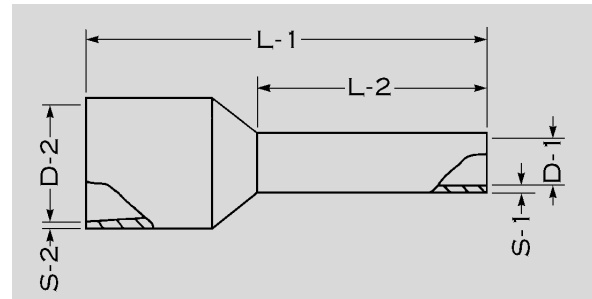
TECHNICAL DATA		WIRE FERRULE PULL OUT FORCES			
MATERIAL (H TYPE)	POLYPROPYLENE PP HOMO	MM ²	AWG	PULL OUT FORCE LBS (N)	FERRULE
MI (MELT INDEX)	12	0.25	24	3.375 (15)	0.25
FLEXURAL	1.550 MPA	0.25	22	3.375 (15)	0.5
MOLDULUS IZOD	25	0.5	20	6.75 (30)	0.75
THERMAL PROPERTIES	89°C	1	18	6.75 (30)	1
H.D.T. – 4.6 KG/CM ²	108°C	1.5	16	9 (40)	1.5
H.D.T. – 18.6 KG/CM ²	-20°C	2.5	14	11.25 (50)	2.5
CRYSTAL MELTING TEMP.	164 - 168°C	4	12	11.25 (50)	4
		6	10	13.5 (60)	6
		10	8	18 (80)	10
		16	6	20.25 (90)	16
		25	4	22.5 (100)	25
		35	2	27 (120)	35
		50	1	31.5 (140)	50



WIRE FERRULES INSULATED

DIN 46228

PART 4



MATERIAL: COPPER / PLASTIC
SURFACE: TIN PLATED



SIZE MM ²	AWG	DIN PART NO.	COLOR CODE DIN	T PART NO.	COLOR CODE T	W PART NO.	COLOR CODE W	PIECES PER BAG	DIMENSIONS (MM)						REC. CRIMPING TOOL
									L-1	L-2	D-1	S-1	D-2	S-2	
0.14*	26	1161014	GREY	1163014	BROWN	1162014	GREY	500	10.5	6	0.8	0.25	2.0	0.25	TRAP24-10 OR SQ28-10
0.14*		1181014		1183014		1182014			12.5	8	0.8	0.25	2.0	0.25	
0.25*	24	1161025	YELLOW	1163025	VIOLET	1162025	BLUE	500	10.5	6	0.8	0.25	2.0	0.25	
0.25*		1181025		1183025		1182025			12.5	8	0.8	0.25	2.0	0.25	
0.34*	24	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	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	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	
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	
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	TRAP8-1 OR TRAP8-4
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 MM ²	AWG	DIN PART NO.	COLOR CODE DIN	T PART NO.	COLOR CODE T	W PART NO.	COLOR CODE W	PIECES PER BAG	DIMENSIONS (MM)						REC. CRIMPING 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 OR 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 MCM	113211500	YELLOW	113231500	YELLOW	113221500	YELLOW	25	58.0	32	19.5	0.5	23.0	1.0	

WIRE FERRULES INSULATED FOR THICK INSULATION



SIZE MM ²	AWG	DIN PART NO.	COLOR CODE DIN	T PART NO.	COLOR CODE T	W PART NO.	COLOR CODE W	PIECES PER 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	13.5	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	14	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

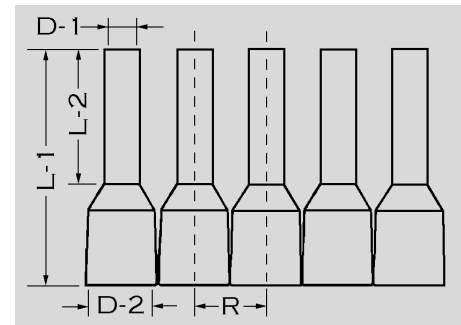




WIRE FERRULES ON STRIPS



SIZE MM²		BARREL LENGTH (MM)	DIN PART NO.	COLOR CODE DIN	T PART NO.	COLOR CODE T	C PART NO.	COLOR CODE 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



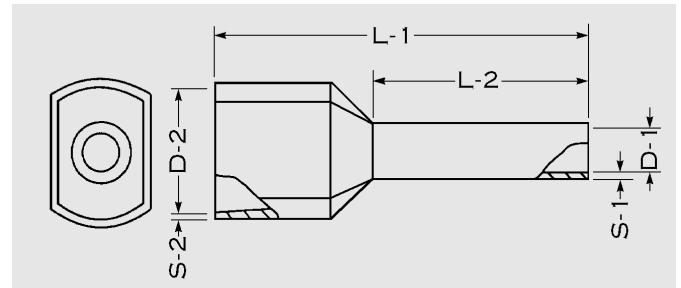
MATERIAL: COPPER / PLASTIC
SURFACE: TIN PLATED

WIRE FERRULES ON REELS

ALSO USED WITH MC 25

SIZE MM ²	LENGTH MM	PART No.	COLOR CODE DIN	PART No.	COLOR CODE T	PART No.	COLOR CODE W	PIECES PER 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



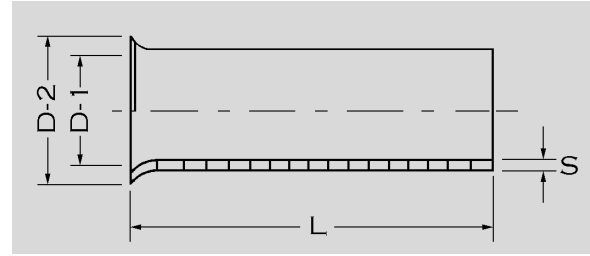
SIZE MM ²	AWG	DIN PART No.	COLOR CODE DIN	W PART No.	COLOR CODE W	PCS. PER BAG	DIMENSIONS (MM)						REC. CRIMPING TOOL
							L-1	L-2	D-1	S-1	D-2	S-2	
2 X 0.50	20	1381050	WHITE	1382050	ORANGE	500	15.0	8.0	1.5	0.15	2.3 / 4.5	0.25	SQ28-10 OR TRAP24-10
2 X 0.75	20	1381075	GREY	1382075	WHITE	500	15.0	8.0	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	100	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 OR 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	6	0.40	
2 X 16.0	6	13161160	BLUE	13162160	GREEN	50	31.0	16.0	8.5	0.20	6	0.50	





WIRE FERRULES NON-INSULATED

DIN 46228 PART 1



MATERIAL: COPPER
SURFACE: TIN PLATED



SIZE MM ²		PART NO.	PCS. PER BAG	DIMENSIONS (MM)				REC. CRIMPING TOOL
				L	D-1	D-2	S	
0.25	24	12510025* 12710025*	1000	5 7	0.8	1.7	0.15	SQ28-10 OR TRAP24-10
0.34	22	12510034* 12710034*	1000	5 7	0.9	1.8	0.15	
0.50	20	12610050 12810050* 121010050	1000	6 8 10	1.0	2.1	0.15	
0.75	20	12610075 12810075* 121010075 121210075	1000	6 8 10 12	1.2	2.3	0.15	
1.00	18	12610100 12810100* 121010100 121210100*	1000	6 8 10 12	1.4	2.5	0.15	
1.50	16	12710150 121010150 121210150 121510150* 121810150 122010150*	1000	7 10 12 15 18 20	1.7	2.8	0.15	
2.50	14	12710250 121010250 121210250 121510250* 121810250 122010250*	1000	7 10 12 15 18 20	2.2	3.4	0.15	
4.00	12	12910400 121010400 121210400 121510400 121810400 122010400*	1000	9 10 12 15 18 20	2.8	4.0	0.2	

SIZE MM ²	AWG	PART NO.	PCS. PER BAG	DIMENSIONS (MM)				REC. CRIMPING TOOL
				L	D-1	D-2	S	
6.00	10	121010600 121210600 121510600 121810600	1000	10 12 15 18	3.5	4.7	0.2	SQ28-10 OR TRAP24-10
10.00	8	1212110 1215110 1218110 1220110* 1225110*	500	12 15 18 20 25	4.5	5.8	0.2	
16.00	6	1212116 1215116 1218116 1220116* 1225116 1232116	250	12 15 18 20 25 32	5.8	7.5	0.2	
25.00	4	1212125* 1215125 1218125 1225125 1232125	100	12 15 18 25 32	7.3	9.5	0.2	
35.00	2	1218135 1220135* 1225135 1232135	100	18 20 25 32	8.3	11	0.2	
50.00	1	1218150 1222150* 1225150 1232150	100	18 22 25 32	10.3	13	0.3	
70.00	2/0	1225170 1232170*	100	25 32	12.5	15	0.4	

* DOES NOT CONFORM TO DIN 46228 PART 1



SIZE MM ²	AWG	PART NO.	PCS. PER BAG	DIMENSIONS (MM)				REC. CRIMPING 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	
	MCM	124011850*		40				





ASSORTMENT BOXES

INSULATED FERRULES	SIZE MM ²	AWG	BARREL LENGTH	QUANTITY	PART NUMBER	DIN	PART DIN	T	PART T	W
ASSORTMENT	0.25	26	6	30	161025	YELLOW	163025	VIOLET	162025	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	161050	WHITE	163050	WHITE	162050	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	16140	GREY	16340	ORANGE	16240	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	16050T	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	16075T	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	16150T	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	16050U					
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	16040U					
Box 8	2.50	14	10	100						
NONINSULATED	4.00	12	12	80						
	6.00	10	12	40						
ASSORTMENT					165					
Box EMPTY										
5 DIVISIONS										
ASSORTMENT					164					
Box EMPTY										
4 DIVISIONS										
ASSORTMENT					160					
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 MM ²	AWG	BARREL LENGTH	QUANTITY	PART NUMBER	COLOR CODE DIN	PART NUMBER	COLOR CODE 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

ENTRELEC

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
3009215	100	0.34	24
3200014	100	0.5	20
3200027	100	0.75	20
3200030	100	1	18
3200043	100	1.5	16
3200056	100	1.5	16
3200069	100	2.5	14
3200072	100	2.5	14
3200085	100	4	12
3200098	100	4	12
3200108	100	6	10
3200111	100	6	10
3200124	100	10	8
3200137	100	10	8
3200179	100	0.25	24
3200182	100	1	18
3200195	100	1.5	16
3200205	100	2.5	14
3200412	100	25	4
3200438	100	4	12
3200441	100	35	2
3200454	100	50	1
3200519	100	0.75	20
3200522	100	2.5	14
3200535	100	4	12
3200548	100	6	10
3200551	100	10	8
3200564	100	16	6
3200577	100	25	4
3200580	100	2.5	14
3200593	100	4	12
3200603	100	6	10
3200616	100	10	8
3200629	100	16	6
3200632	100	0.25	24
3200674	100	1	18
3200687	100	0.5	20
3200713	100	35	2
3200726	100	50	1
3200739	100	35	2
3200742	100	1	18
3200755	100	1.5	16
3200865	100	0.34	24
3200881	1000	0.5	20
3200904	1000	1	18
3200917	1000	1.5	16
3200920	1000	2.5	14
3200959	100	4	12
3200962	100	2.5	14
3201068	100	10	8
3201071	100	35	2
3201084	100	25	4
3201097	100	1	18
3201107	100	6	10
3201110	100	0.75	20
3201136	100	1.5	16
3201152	100	16	6
3201178	100	50	1
3201181	100	16	6
3201275	100	0.5	20
3201291	100	0.25	24
3201301	100	0.5	20
3201301	100	0.5	20
3201314	100	0.75	20
3201327	100	1	18
3201330	100	16	6

AMERICAN ELECTRICAL

PART #	COLOR	PCS./BAG
1161034	TURQ	500
1181050	WHITE	500
1183075	BLUE	500
1181010	RED	500
1181015	BLACK	500
1181015	BLACK	500
1183025	GREY	500
1183025	GREY	500
11103040	ORANGE	500
1183040	ORANGE	100
11123060	GREEN	100
1183060	GREEN	100
11123100	BROWN	100
1183100	BROWN	100
11610025	YELLOW	500
11103010	RED	500
11103015	BLACK	500
11123025	GREY	500
11163250	BLACK	50
11123040	ORANGE	500
11161350	RED	50
11201500	BLUE	50
1181075	GREY	500
1181025	BLUE	500
11101040	GREY	500
11121060	YELLOW	100
11121100	RED	100
11121160	BLUE	100
11161250	YELLOW	50
11181025	BLUE	500
11181040	GREY	100
11181060	YELLOW	100
11181100	RED	100
11181160	BLUE	100
11820025	BLUE	500
11123010	RED	500
1163050	WHITE	500
11253350	RED	50
11253500	BLUE	25
11252350	BEIGE	50
1163010	RED	500
1163015	BLACK	500
1182034	TURQ	500
1183050	WHITE	500
1183010	RED	500
1183015	BLACK	500
1182025	BLUE	500
11122040	GREY	500
11122025	BLUE	500
11122100	IVORY	100
11162350	BEIGE	50
11162250	BROWN	50
1182010	YELLOW	500
11122060	BLACK	100
1182075	WHITE	500
1182015	RED	500
11122160	GREEN	100
11202500	OLIVE	50
11123160	WHITE	100
11103050	WHITE	500
11620025	BLUE	500
1162050	ORANGE	500
1182050	ORANGE	500
1162075	WHITE	500
1162010	YELLOW	500
11182160	GREEN	100

PHOENIX

PART #	PCS./BAG	MM	AWG
3009202	1000	0.34	22
3200218	1000	0.5	20
3200221	1000	0.75	20
3200234	1000	0.75	20
3200247	1000	1	18
3200250	1000	1	18
3200263	1000	1.5	16
3200276	1000	1.5	16
3200289	1000	2.5	14
3200292	1000	2.5	14
3200302	1000	4	12
3200315	1000	4	12
3200328	500	6	10
3200836	100	2.5	14
3200878	100	2.5	14
3200975	100	0.75	20
3200988	100	1	18
3200991	100	1.5	16
3201000	100	4	12
3201013	100	4	12
3201026	100	10	8

AMERICAN ELECTRICAL

PART #	COLOR	PCS./BAG
12710034		1000
12610050		1000
12610075		1000
121010075		1000
12610100		1000
121010100		1000
12710150		1000
121010150		1000
12710250		1000
121210250		1000
12910400		1000
121210400		1000
121210600		1000
13101025		500
13131025		500
13101075		500
13101010		500
13121015		500
13121040		100
13141060		100
13141100		100

WAGO

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

AMERICAN ELECTRICAL



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	11182025	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
0372600000	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

AMERICAN ELECTRICAL

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 mm²)
FOR SINGLE CONDUCTOR FERRULES
20-14 AWG (0.5-2.5 mm²) FOR
TWIN FERRULES (TWO WIRES)
LENGTH: 7.5 INCHES (190 MM)
WEIGHT: 12.3 OUNCES (350 G)



TRAP 24 - 10 F

TRAPEZOID CRIMPING
WITH RATCHET, FRONT ENTRY
UNIVERSAL DIE
RANGE: 24-10 AWG (0.25-6.0 mm²)
FOR SINGLE CONDUCTOR FERRULES
20-14 AWG (0.5-2.5 mm²) FOR
TWIN FERRULES (TWO WIRES)
LENGTH: 8.7 INCHES (220 MM)
WEIGHT: 15.1 OUNCES (430 G)



TRAP 22 - 10

TRAPEZOID CRIMPING
WITH RATCHET, FRONT ENTRY
UNIVERSAL DIE
RANGE: 22-10 AWG (0.5-6.0 mm²)
FOR SINGLE CONDUCTOR FERRULES
20-14 AWG (0.5-2.5 mm²) 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 mm²)
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 mm²)
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 mm²)
FOR SINGLE CONDUCTOR FERRULES
12-6 AWG (4.0-16.0 mm²) 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 mm²)

LENGTH: 5.9 INCHES (150 MM)

WEIGHT: 5.6 OUNCES (160 G)



IND 20 - 14 L

INDENT CRIMPING

NO RATCHET, UNIVERSAL DIE, SIDE ENTRY

RANGE: 20-14 AWG (0.5-2.5 mm²)

LENGTH: 5.9 INCHES (150 MM)

WEIGHT: 7.0 OUNCES (200 G)



IND 20 - 6 L

INDENT CRIMPING

NO RATCHET, SIDE ENTRY

RANGE: 20-6 AWG (0.5-16.0 mm²)

FOR SINGLE CONDUCTOR FERRULES

20-10 AWG (0.5-6.0 mm²)

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 mm²)

FOR SINGLE CONDUCTOR FERRULES

20-14 AWG (0.5-2.5 mm²)

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 mm²)

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 mm²

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 MM²)
LENGTH: 8.1 INCHES (205 MM)
WEIGHT: 7.0 OUNCES (200 G)

CABLE CUTTER



CUT 6

CABLE CUTTER

RANGE: 6 AWG (16.0 MM²) MAXIMUM
LENGTH: 6.5 INCHES (165 MM)
WEIGHT: 4.2 OUNCES (120 G)

CRIMPING TOOL FOR WIRE LUGS

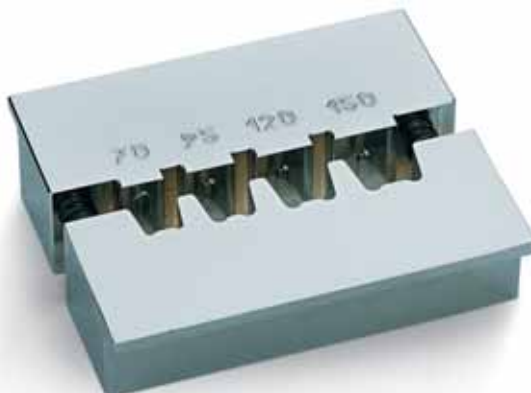


LUG 20 - 10

CRIMPING TOOL
FOR INSULATED WIRE LUGS

RANGE: 20-10 AWG (0.5-6.0 MM²)
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_
2/0 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/.

MC 25 TECHNICAL DATA

POWER SUPPLY:	120 VAC / 60 HZ
POWER CONSUMPTION:	80 VA
OPERATING RANGE:	20 - 14 AWG (0.5 - 2.5 SQUARE MILLIMETERS)
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 MM ²	LENGTH MM	PART NO.	COLOR CODE DIN	PART NO.	COLOR CODE T	PART NO.	COLOR CODE W	PIECES PER 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



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
TRAPEZOID CRIMPING
SIDE AND FRONT INSERTION
UNIVERSAL - DIE
RANGE 24-14 AWG (0.25-2.50 mm²)

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 mm²)

LENGTH:	7.9 INCHES (200 MM)
WEIGHT:	35.2 OUNCES (1000 G)
PRESSURE:	58 PSI (4 BAR)

PC 12 - 8 B

BENCH-CRIMPER
TRAPEZOID CRIMPING
SIDE ENTRY
RANGE 12-8 AWG (4-10 mm²)

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 mm²)

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 ² , 28 – 8 AWG
SINGLE WIRE	0.08 – 2.5 MM ² , 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

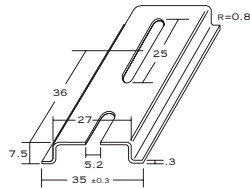
STEEL DESIGN
ZINC PLATING
2 METER LENGTH
COMPETITIVE PRICING

INDUSTRY STANDARD MATERIALS
CE APPROVED
NO MARKINGS ON RAIL



SLOTTED

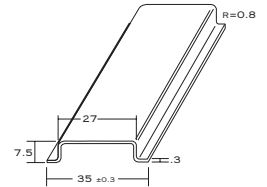
35 MM X 7.5 MM
SLOTTED
STANDARD PACK: 40



TS3575SL
TS3575SL1

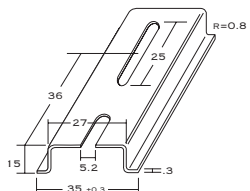
SOLID

35 MM X 7.5 MM
SOLID
STANDARD PACK: 40



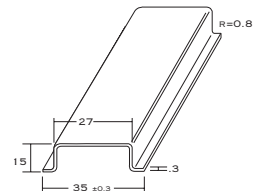
TS3575SOL

35 MM X 15 MM
SLOTTED
STANDARD PACK: 20



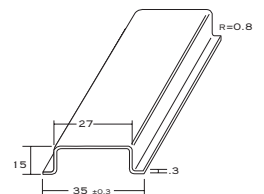
TS3515SL

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



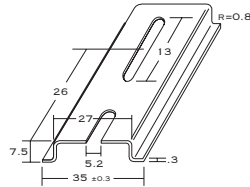
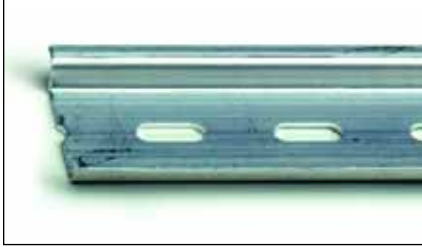
DIN RAIL ALUMINUM

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	DR-45-24
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 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	DR-75-24
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 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	DR-120-24
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 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	DRP-240-24
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 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



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	DRT-240-24
AC INPUT VOLTAGE RANGE	340 – 550VAC; 3 PHASE 4 WIRES (DUAL OPERATION POSSIBLE)
DC ADJUSTMENT RANGE	24V: 24-28V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, 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 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



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	DRT-480-24
AC INPUT VOLTAGE RANGE	340 – 550VAC; 3 PHASE 4 WIRES (DUAL OPERATION POSSIBLE)
DC ADJUSTMENT RANGE	24V: 24-28V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, 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, 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 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	227 X 125.2 X 100MM



FEATURES

WIDE RANGE	COMPACT HOUSING 20A, 3PH ONLY 3.39 INCHES LONG
OUTPUT	HORIZONTAL MOUNTING UP TO 40A, 3 PHASE 24V / 1.25 TO 20A - SINGLE PHASE 24V / 10, 20, AND 40A - 3 PHASE
UNIVERSAL INPUT	115 / 230 VAC 3 X 340 / 550 VAC
LOAD SHARING	PARALLEL OPERATION REDUNDANCY
HIGH EFFICIENCY	TYPICAL 90%
INCREASED OPERATING TEMPERATURE	100% AT 140°F
STATUS INDICATION	POWER ON INDICATION OVERLOAD STATUS LED
TOUCH SAFE POWER ENTRY	COVERED POWER ENTRY CONVENIENT CUSTOMER INPUT TERMINALS
APPROVALS	UL / CSA AND EN 60950 EMC CERTIFIED



30 WATTS, 1.25 AMPS, 24VDC

TECHNICAL DATA SLIMLINE

PART NUMBER	F2400125
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	F240050S
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	F24010S
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	F24010S-3
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	F24020S-3
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	F240025
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	F240050
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



240 WATTS, 10 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL

PART NUMBER	F24010
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	F24020
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	F24020-3
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	F24040-3
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

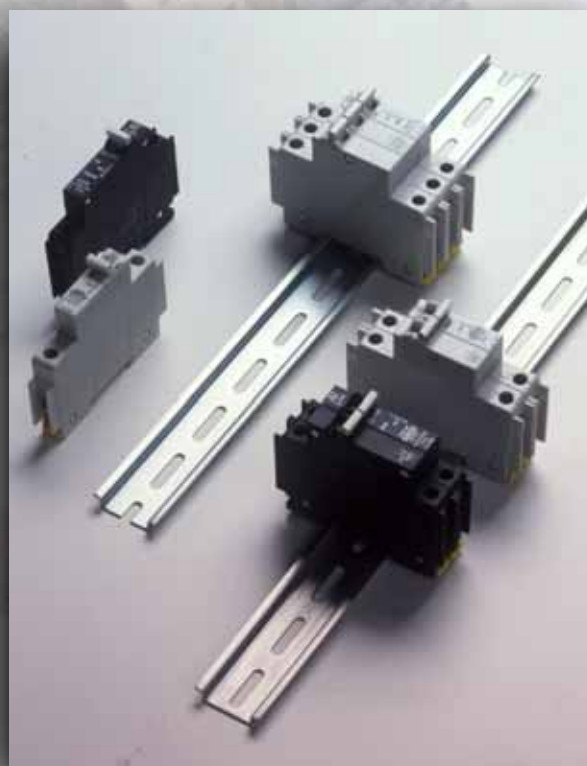
DUAL 120V AC RECEPTACLE, DIN RAIL MOUNTED
3 FOOT, HOT/NEUTRAL/GROUND CABLE
GREEN LED FOR POWER ON INDICATION
CURRENT RATING, 20 A
GROUND FAULT CIRCUIT PROTECTION WITH RESET
DIN RAIL & DIRECT MOUNTABLE
STANDARD RECEPTACLE SIZE
ALL COMPONENTS UL APPROVED

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:

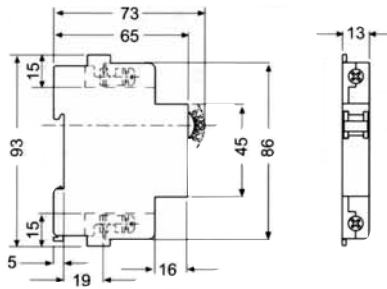
CIRCUIT	TYPE	MAX. POLES	MAX. AMPS
AC	UL 1077	3	50
AC	UL 489	2	25
DC	UL 489 A	1	50





DIN RAIL MOUNTED CIRCUIT BREAKERS

UL 1077 RATED



FEATURES

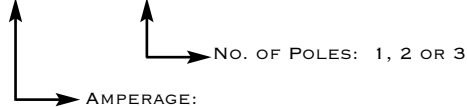
UL 1077 APPROVED
DIN RAIL MOUNTED
COMPACT 13 MM WIDTH
ONE, TWO & THREE POLE
CURRENT RATING UP TO 50 A
100% RATING CAPABILITY
HYDRAULIC-MAGNETIC TECHNOLOGY
TRIP CURVE 2 STANDARD

TECHNICAL DATA

NUMBERS OF POLES	1, 2 & 3
MAXIMUM VOLTAGE	277/480 50/60 Hz
MINIMUM AMP RATING	1 AMP
MAXIMUM AMP RATING	50 AMP
INTERRUPTING CAP.	5000A @ 120V 1000A @ 277V 1000A @ 480V
DIELECTRIC STRENGTH	1960V 50/60 Hz
INSULATION RESISTANCE	100 MEGA OHM
OPERATING TEMP. RANGE	-40°C TO +60°C

PART NUMBERING SYSTEM

C A P

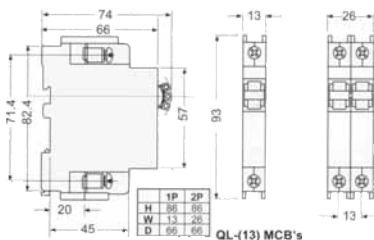


E.G., 1 FOR 1 AMP, 15 FOR 15 AMP, ETC.

EXAMPLE: C10A1P = 10A SINGLE POLE CIRCUIT BREAKER



UL 489 RATED



FEATURES

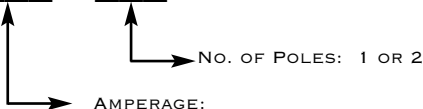
UL 489 APPROVED
DIN RAIL MOUNTED
COMPACT 13 MM WIDTH
ONE & TWO POLE ONLY
CURRENT RATING UP TO 25 A
100% RATING CAPABILITY
HYDRAULIC-MAGNETIC TECHNOLOGY
TRIP CURVE KM STANDARD

TECHNICAL DATA

NUMBERS OF POLES	1 AND 2 POLE ONLY
MAXIMUM VOLTAGE	120/240V 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

C A P-489

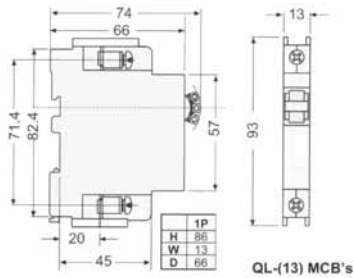


E.G., 1 FOR 1 AMP, 15 FOR 15 AMP, ETC.

EXAMPLE: C10A1P = 10A SINGLE POLE CIRCUIT BREAKER



UL 489A RATED



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**



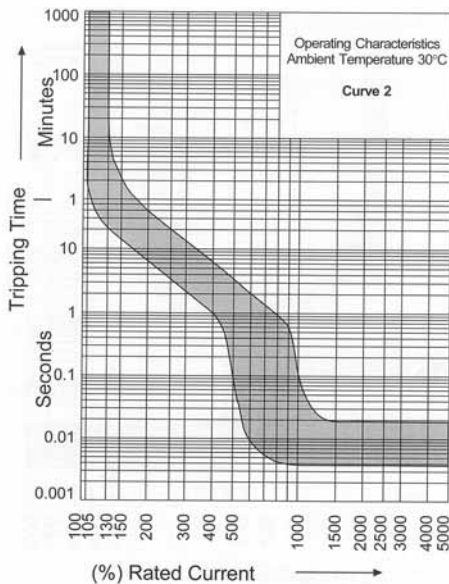
AMPERAGE:

E.G., 1 FOR 1 AMP, 15 FOR 15 AMP, ETC.

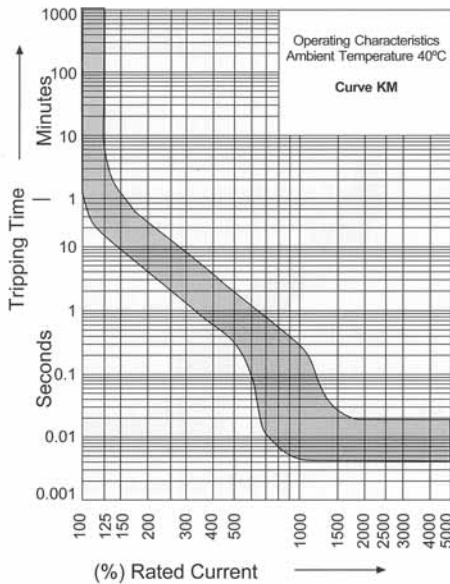
EXAMPLE: C10A1P-80VDC = 10A UL489A RATED CB

TRIP CURVE

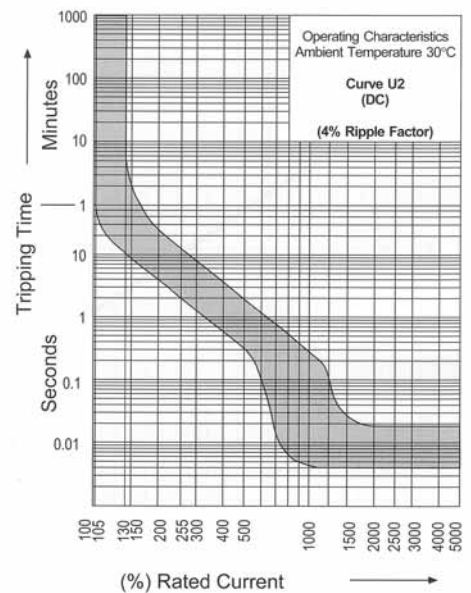
UL 1077 RATED
CURVE 2



UL 489 RATED
CURVE KM



UL 489A RATED
CURVE U2



TRIP CURVE 3 AND TRIP CURVE 9 AVAILABLE AT WWW.AMERICANELECTRIC.COM.

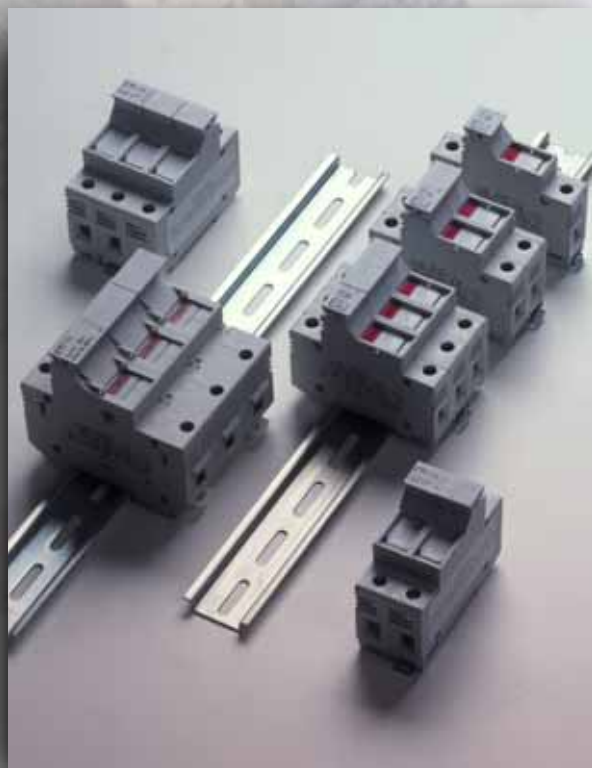


DIN RAIL MOUNTED FUSE HOLDERS

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 27, 29, 32)
- 1 1/4"X1/4" (SEE PAGES 29, 30)
- 1 1/2"X1 3/32" (SEE NEXT PAGE)
- 2"X1/2"(14X51MM) (SEE NEXT PAGE)

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" FUSES

ASK 4



FEATURES

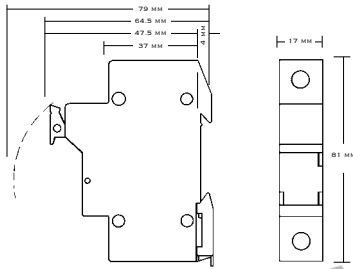
DIN RAIL MOUNTABLE
BOTH INDICATING AND NON INDICATING AVAILABLE
COMPACT AT 17MM WIDTH

TECHNICAL DATA

NUMBERS OF POLES	1, 2 & 3
VOLTAGE	600
AMPS	32 AMP
WIRE SIZE AWG	26...6

PART NUMBERING SYSTEM

NO. OF POLES	INDICATOR TYPE	PART NUMBER
1	NON-INDICATING	2541000
2	NON-INDICATING	2543000
3	NON-INDICATING	2544000
1	WITH INDICATOR	2541100
2	WITH INDICATOR	2543100
3	WITH INDICATOR	2544100



DIN RAIL MOUNTED FUSE HOLDERS

FOR 14 X 51 MM FUSES

ASK 6



FEATURES

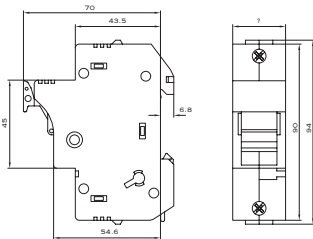
DIN RAIL MOUNTABLE
BOTH INDICATING AND NON INDICATING AVAILABLE

TECHNICAL DATA

NUMBERS OF POLES	1, 2 & 3
VOLTAGE	600
AMPS	50 AMP
WIRE SIZE AWG	26...6

PART NUMBERING SYSTEM

NO. OF POLES	INDICATOR TYPE	PART NUMBER
1	NON-INDICATING	2561000
2	NON-INDICATING	2563000
3	NON-INDICATING	2564000
1	WITH INDICATOR	2561100
2	WITH INDICATOR	2563100
3	WITH INDICATOR	2564100



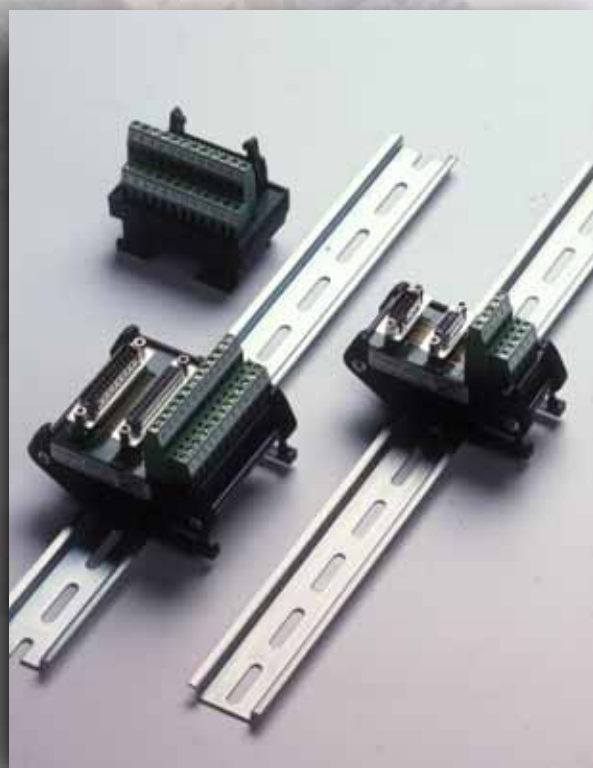
ASK 6





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 2.5" (39 x 63 x 93MM)	1.93 x 2.48 x 2.58" (49 x 63 x 93MM)	2.87 x 2.48 x 2.58" (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	20	20
DIMENSIONS	1.53 x 2.48 x 2.5" (39 x 63 x 93MM)	1.93 x 2.48 x 2.58" (49 x 63 x 93MM)	2.87 x 2.48 x 2.58" (73 x 63 x 93MM)

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 SHUTS OFF AND HANDLES ARE OFFERED FOR THOSE DESIGNS THAT ARE THRU-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	19200-11	19201-11	19202-11
	RED	19210-11	19211-11	19212-11
RATED CURRENT		16 A	25 A	32 A
MAX VOLTAGE		600 V	600 V	600 V
SHORT CIRCUIT RATING		5 KA	5 KA	5 KA
MAXIMUM UL HORSEPOWER 3-PHASE (120V)		3	3	3
WIRE RANGE		16 - 6 AWG	16 - 6 AWG	16 - 6 AWG
TIGHTENING TORQUE		2 NM	2 NM	2 NM

SD1 SERIES ACCESSORIES

PART NUMBER	DESCRIPTION
19440	CONNECTOR 6-8 POLE
19400-11	DOOR INTERLOCK HANDLE BLACK
19401-11	EMERGENCY DOOR INTERLOCK HANDLE RED/YELLOW
19535-100	REMOTE OPERATOR SHAFT 100MM LENGTH
19535-200	REMOTE OPERATOR SHAFT 200MM LENGTH
19535-300	REMOTE OPERATOR SHAFT 300MM LENGTH
19414*	SD1 4TH POLE
19423*	SD1 AUX CONTACT SPST
19421*	SD1 GROUND POLE
19419*	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	19205-11	19206-11	19207-11
	RED	19215-11	19216-11	19217-11
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
19440	CONNECTOR 6-8 POLE
19400-11	DOOR INTERLOCK HANDLE BLACK
19401-11	EMERGENCY DOOR INTERLOCK HANDLE RED/YELLOW
19535-100	REMOTE OPERATOR SHAFT 100MM LENGTH
19535-200	REMOTE OPERATOR SHAFT 200MM LENGTH
19535-300	REMOTE OPERATOR SHAFT 300MM LENGTH
19418*	SD2 4TH POLE
19429*	SD2 AUX CONTACT SPST
19422*	SD2 GROUND POLE
19420*	SD2 NEUTRAL POLE

*THESE MODULES INTEGRATE WITH THE DISCONNECT SWITCH. THEY ARE SEPARATE COMPONENTS THAT SCREW INTO THE MAIN SWITCHES FOR ADDITIONAL APPLICATIONS.

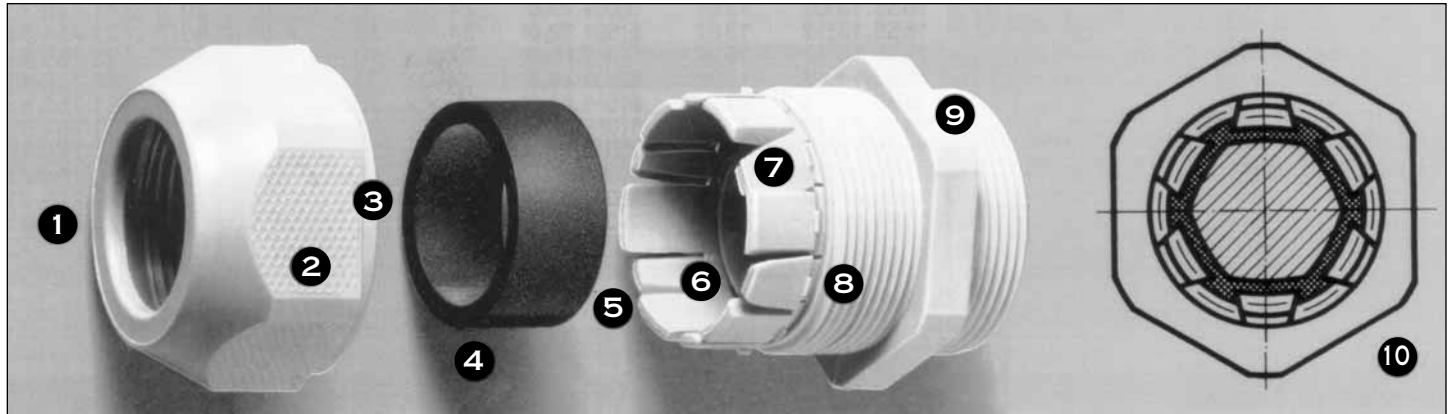
CABLE GRIPS

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 CHART ON PAGE 84 EXPLAINING THE IP SYSTEM.





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

CABLE GRIPS

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.

USE AND APPLICATION OF NYLON CABLE GRIPS

1. 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:

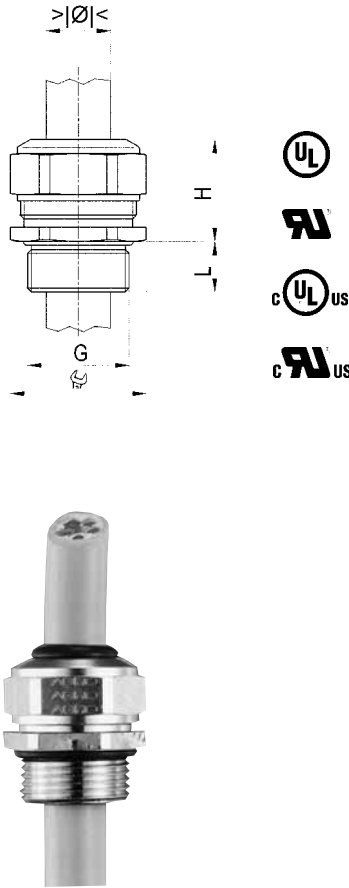
- **SECURE THE CABLE** TO THE ENCLOSURE'S WALL TO PROVIDE EXCELLENT PULL-OUT RESISTANCE.
- **SEAL AND PROTECT** THE INSIDE OF THE ENCLOSURE FROM THE UNWANTED AFFECTS OF THE ENVIRONMENT. THESE CONTAMINANTS MAY BE WATER, GAS, CHEMICALS VAPORS, OR FUMES.
- **REDUCE MATERIAL COST** DUE TO USE OF LIGHTER, LESS EXPENSIVE MATERIALS, AS WELL AS, ELIMINATING THE NEED FOR RUNNING CONDUIT.

2. 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 GRIPS NICKEL-PLATED BRASS

THREAD: METRIC



MATERIAL : NICKEL-PLATED BRASS
 SEAL: TPE
 STRAIN RELIEF: ACC. TO EN 50262, VERSION A
 TEMP. RANGE: -40°/+100°C
 PROTECTION CLASS: IP 68



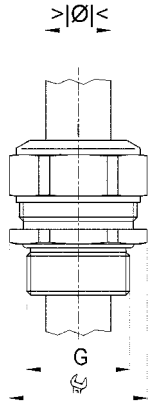
PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	STD. PKG. SIZE
SHORT, ONE-PIECE SEALING INSERT LONG ENTRY THREAD METRIC (NOT OVERALL LENGTH INSULATED)						
1100.06.025	M 6x1.0 ¹	2.0-2.5	8	12	8	50
1100.06.030	M 6x1.0 ¹	2.5-3.0	8	12	8	50
1100.06.035	M 6x1.0 ¹	3.0-3.5	8	12	8	50
1100.08.035	M 8x1.25 ¹	2.5-3.5	11	14	10	50
1100.08.050	M 8x1.25 ¹	3.5-5.0	11	14	10	50
1100.10.040	M10x1.5 ¹	3.0-4.0	13	15	10	50
1100.10.060	M10x1.5	4.0-6.0	13	15	10	50
1100.12.050	M12x1.5	3.5-5.0	15	17	10	50
1100.12.065	M12x1.5	5.0-6.5	15	17	10	50
1100.12.080	M12x1.5	6.5-8.0	15	17	10	50
1100.17.045	M16x1.5	3.5-4.5	18	20	10	50
1100.17.060	M16x1.5	4.5-6.0	18	20	10	50
1100.17.080	M16x1.5	6.0-8.0	18	20	10	50
1100.17.105	M16x1.5	8.0-10.5	18	22	10	50
1100.20.080	M20x1.5	6.0-8.0	24	21	10	50
1100.20.110	M20x1.5	8.0-11.0	24	21	10	50
1100.20.150	M20x1.5	11.0-15.0	24	23	10	50
1100.25.125	M25x1.5	9.5-12.5	30	25	11	25
1100.25.160	M25x1.5	12.5-16.0	30	25	11	25
1100.25.205	M25x1.5	16.0-20.5	30	28	11	25
1100.32.170	M32x1.5	14.0-17.0	36	28	13	25
1100.32.210	M32x1.5	17.0-21.0	36	28	13	25
1100.32.255	M32x1.5	21.0-25.5	36	28	13	25
1100.40.240	M40x1.5	20.0-24.0	46	31	13	10
1100.40.285	M40x1.5	24.0-28.5	46	31	13	10
1100.40.330	M40x1.5	28.5-33.0	46	31	13	10
1100.50.330	M50x1.5	29.0-33.0	55	34	14	10
1100.50.370	M50x1.5	33.0-37.0	55	34	14	10
1100.50.420	M50x1.5	37.0-42.0	55	34	14	10
1100.63.400	M63x1.5	35.0-40.0	70	37	14	5
1100.63.460	M63x1.5	40.0-46.0	70	37	14	5
1100.63.520	M63x1.5	46.0-52.0	70	37	14	5
1100.75.500	M75x1.5	45.0-50.0	80	38	15	1
1100.75.560	M75x1.5	50.0-56.0	80	38	15	1
1100.75.630	M75x1.5	56.0-63.0	80	38	15	1

¹ METRIC COARSE PITCH THREAD



CABLE GRIPS NICKEL-PLATED BRASS

THREAD: PG



MATERIAL : NICKEL-PLATED BRASS
SEAL: TPE
TEMP. RANGE: -40°/-100°C
PROTECTION CLASS: IP 68

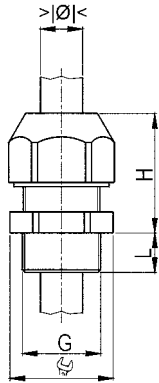
PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	STD. PKG. SIZE
LONG, ONE-PIECE SEALING INSERT SHORT ENTRY THREAD PG (OVERALL LENGTH INSULATED)						
1100.07.050	PG 7	3.5-5.0	15	17	10	50
1100.07.065	PG 7	5.0-6.5	15	17	10	50
1100.07.080	PG 7	6.5-8.0	15	17	10	50
1100.09.045	PG 9	3.5-4.5	18	20	10	50
1100.09.060	PG 9	4.5-6.0	18	20	10	50
1100.09.080	PG 9	6.0-8.0	18	20	10	50
1100.09.105	PG 9	8.0-10.5	18	22	10	50
1100.11.055	PG 11	4.0-5.5	21	21	10	50
1100.11.085	PG 11	5.5-8.5	21	21	10	50
1100.11.120	PG 11	8.5-12.0	21	21	10	50
1100.13.080	PG 13	6.0-8.0	24	21	10	50
1100.13.110	PG 13	8.0-11.0	24	21	10	50
1100.13.150	PG 13	11.0-15.0	24	23	10	50
1100.16.080	PG 16	6.0-8.0	24	23	10	50
1100.16.110	PG 16	8.0-11.0	24	23	10	50
1100.16.150	PG 16	11.0-15.0	24	23	10	50
1100.21.125	PG 21	9.5-12.5	30	28	12	25
1100.21.160	PG 21	12.5-16.0	30	28	12	25
1100.21.205	PG 21	16.0-20.5	30	28	12	25
1100.29.190	PG 29	16.0-19.0	38	28	12	25
1100.29.230	PG 29	19.0-23.0	38	28	12	25
1100.29.275	PG 29	23.0-27.5	38	28	12	25
1100.36.260	PG 36	21.5-26.0	50	32	15	10
1100.36.305	PG 36	26.0-30.5	50	32	15	10
1100.36.350	PG 36	30.5-35.0	50	32	15	10
1100.42.330	PG 42	29.0-33.0	55	34	15	10
1100.42.370	PG 42	33.0-37.0	55	34	15	10
1100.42.420	PG 42	37.0-42.0	55	34	15	10
1100.48.370	PG 48	32.0-37.0	65	37	15	10
1100.48.430	PG 48	37.0-43.0	65	37	15	10
1100.48.490	PG 48	43.0-49.0	65	37	15	10

SYNTHETIC CABLE GRIPS

WITH LAMELLAR TECHNOLOGY

SYNTEC®

THREAD: METRIC, NPT



MATERIAL: POLYAMIDE PA6
 SEAL: CR (NEOPRENE)
 STRAIN RELIEF: ACC. TO EN 50262, VERSION A
 TEMP. RANGE: -30°/+80°C
 PROTECTION CLASS: IP 68

PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	COLOR	STD. PKG. SIZE
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SHORT ENTRY THREAD METRIC

1555.12.06	M12x1.5	2.5-6.5	15	21	6	GREY	100
1555.17.08	M16x1.5	4.0-8.0	19	23	6	GREY	50
1555.20.07	M20x1.5	3.0-7.0	24	26	8	GREY	50
1555.20.12	M20x1.5	5.5-12.0	24	26	8	GREY	50
1555.25.14	M25x1.5	8.0-14.0	33	35	8	GREY	25
1555.25.18	M25x1.5	11.0-18.0	33	35	8	GREY	25
1555.32.25	M32x1.5	17.0-25.0	42	36	10	GREY	20

1545.12.06	M12x1.5	2.5-6.5	15	21	6	BLACK	100
1545.17.08	M16x1.5	4.0-8.0	19	23	6	BLACK	50
1545.20.07	M20x1.5	3.0-7.0	24	26	8	BLACK	50
1545.20.12	M20x1.5	5.5-12.0	24	26	8	BLACK	50
1545.25.14	M25x1.5	8.0-14.0	33	35	8	BLACK	25
1545.25.18	M25x1.5	11.0-18.0	33	35	8	BLACK	25
1545.32.25	M32x1.5	17.0-25.0	42	36	10	BLACK	20

MATERIAL: POLYAMIDE PA6
 SEAL: CR (NEOPRENE)
 TEMP. RANGE: -30°/+80°C
 PROTECTION CLASS: IP 68

NPT NYLON CABLE GRIPS HAVE GALVANIZED STEEL LOCKNUTS

PART NUMBER	SIZE	CABLE SIZE	WRENCH SIZE	H MM	L MM	COLOR	STD. PKG. SIZE
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ENTRY THREAD NPT

1555.N0375.08	NPT 1/8"	3.0-8.0	19/22	23	15	GREY	50
1555.N0500.07	NPT 1/2"	3.0-7.0	24	26	15	GREY	50
1555.N0500.12	NPT 1/2"	5.5-12.0	24	26	15	GREY	50
1555.N0750.14	NPT 3/4"	6.5-14.0	33	35	15	GREY	25
1555.N0750.18	NPT 3/4"	11.0-18.0	33	35	15	GREY	25
1555.N1000.22	NPT 1"	17.0-22.0	42	36	15	GREY	20

1545.N0375.08	NPT 3/8"	3.0-8.0	19/22	23	15	BLACK	50
1545.N0500.07	NPT 1/2"	3.0-7.0	24	26	15	BLACK	50
1545.N0500.12	NPT 1/2"	5.5-12.0	24	26	15	BLACK	50
1545.N0750.14	NPT 3/4"	6.5-14.0	33	35	15	BLACK	25
1545.N0750.18	NPT 3/4"	11.0-18.0	33	35	15	BLACK	25
1545.N1000.22	NPT 1"	17.0-22.0	42	36	15	BLACK	20



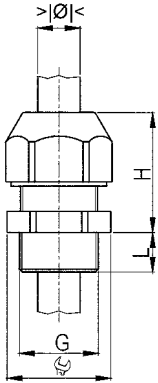
SYNTHETIC CABLE GRIPS

WITH LAMELLAR TECHNOLOGY

SYNTEC®

THREAD: PG

MATERIAL: POLYAMIDE PA6
SEAL: CR (NEOPRENE)
TEMP. RANGE: -30°/+80°C
PROTECTION CLASS: IP 68



PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	COLOR	STD. PKG. SIZE
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ENTRY THREAD PG

1545.07.06	PG 7	2.5-6.5	15	21	8	BLACK	100
1545.09.08	PG 9	3.0-8.0	19	23	8	BLACK	50
1545.11.07	PG 11	2.0-7.0	22	25	8	BLACK	50
1545.11.10	PG 11	4.0-10.0	22	25	8	BLACK	50
1545.13.07	PG 13	3.0-7.0	24	26	9	BLACK	50
1545.13.12	PG 13	5.5-12.0	24	26	9	BLACK	50
1545.16.11	PG 16	5.0-11.0	27	30	10	BLACK	50
1545.16.14	PG 16	8.5-14.0	27	30	10	BLACK	50
1545.21.14	PG 21	6.5-14.0	33	35	11	BLACK	25
1545.21.18	PG 21	11.0-18.0	33	35	11	BLACK	25
1545.29.25	PG 29	17.0-25.0	42	36	11	BLACK	20
1545.36.33	PG 36	22.0-33.0	53	48	15	BLACK	10
1545.42.38	PG 42	28.0-38.0	60	48	15	BLACK	5
1545.48.44	PG 48	32.0-44.0	65	48	15	BLACK	5

MATERIAL: POLYAMIDE PA6
SEAL: CR (NEOPRENE)
TEMP. RANGE: -30°/+80°C
PROTECTION CLASS: IP 68

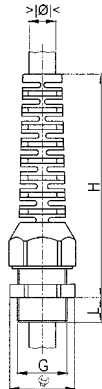
PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	COLOR	STD. PKG. SIZE
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ENTRY THREAD PG

1555.07.06	PG 7	2.5-6.5	15	21	8	GREY	100
1555.09.08	PG 9	3.0-8.0	19	23	8	GREY	50
1555.11.07	PG 11	2.0-7.0	22	25	8	GREY	50
1555.11.10	PG 11	4.0-10.0	22	25	8	GREY	50
1555.13.07	PG 13	3.0-7.0	24	26	9	GREY	50
1555.13.12	PG 13	5.5-12.0	24	26	9	GREY	50
1555.16.11	PG 16	5.0-11.0	27	30	10	GREY	50
1555.16.14	PG 16	8.5-14.0	27	30	10	GREY	50
1555.21.14	PG 21	6.5-14.0	33	35	11	GREY	25
1555.21.18	PG 21	11.0-18.0	33	35	11	GREY	25
1555.29.25	PG 29	17.0-25.0	42	36	11	GREY	20
1555.36.33	PG 36	22.0-33.0	53	48	15	GREY	10
1555.42.38	PG 42	28.0-38.0	60	48	15	GREY	5
1555.48.44	PG 48	32.0-44.0	65	48	15	GREY	5

SYNTHETIC CABLE GRIPS

WITH LAMELLAR TECHNOLOGY
AND ANTI-KINK NOZZLE SYNTEC®
THREAD: PG



MATERIAL: POLYAMIDE PA6
SEAL: CR(NEOPRENE)
TEMP. RANGE: -30°/+80°C
PROTECTION CLASS: IP 68

PART NUMBER	SIZE	CABLE DIAM. MM	WRENCH SIZE	H MM	L MM	COLOR	STD. PKG. SIZE
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ENTRY THREAD PG

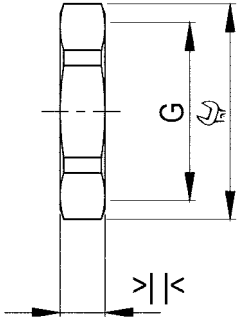
1576.07.06	PG 7	2.5-6.5	15	54	8	GREY	50
1576.09.08	PG 9	3.0-8.0	19	64	8	GREY	50
1576.11.07	PG 11	2.0-7.0	22	77	8	GREY	50
1576.11.10	PG 11	4.0-10.0	22	77	8	GREY	50
1576.13.07	PG 13	3.0-7.0	24	88	9	GREY	50
1576.13.12	PG 13	5.5-12.0	24	88	9	GREY	50
1576.16.11	PG 16	5.0-11.0	27	102	10	GREY	50
1576.16.14	PG 16	8.5-14.0	27	102	10	GREY	50

1546.07.06	PG 7	2.5-6.5	15	54	8	BLACK	50
1546.09.08	PG 9	3.0-8.0	19	64	8	BLACK	50
1546.11.07	PG 11	2.0-7.0	22	77	8	BLACK	50
1546.11.10	PG 11	4.0-10.0	22	77	8	BLACK	50
1546.13.07	PG 13	3.0-7.0	24	88	9	BLACK	50
1546.13.12	PG 13	5.5-12.0	24	88	9	BLACK	50
1546.16.11	PG 16	5.0-11.0	27	102	10	BLACK	50
1546.16.14	PG 16	8.5-14.0	27	102	10	BLACK	50



LOCK-NUTS METALLIC

THREAD: METRIC, PG, NPT



MATERIAL: NICKEL-PLATED BRASS
TYPE: HEXAGONAL DESIGN



PART NUMBER	SIZE	WRENCH SIZE	MM	STD. PKG. SIZE
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THREAD METRIC

8000.06	M 6x1.0 ¹	9	2.8	50
8000.08	M 8x1.25 ¹	11	2.8	50
8000.10	M10x1.5 ¹	13	2.8	50
8000.12	M12x1.5	15	3.0	50
8000.17	M16x1.5	19	3.0	50
8000.20	M20x1.5	24	3.5	50
8000.25	M25x1.5	30	3.5	25
8000.32	M32x1.5	36	4.5	10
8000.40	M40x1.5	46	4.5	10
8000.50	M50x1.5	55	5.5	10
8000.63	M63x1.5	70	6.0	10
8000.75	M75x1.5	80	6.0	5

1 METRIC COARSE PITCH THREAD
2 METRIC THREAD ACC. TO EN60423

THREAD PG

8007	PG 7	15	2.8	50
8009	PG 9	18	2.8	50
8011	PG 11	21	3.0	50
8013	PG 13	23	3.0	50
8016	PG 16	26	3.0	50
8021	PG 21	32	3.5	25
8029	PG 29	41	4.0	10
8036	PG 36	51	5.0	10
8042	PG 42	60	5.0	10
8048.48	PG 48	64	5.5	10



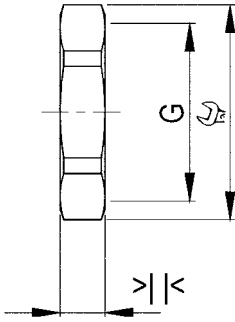
MATERIAL: GALVANIZED STEEL
THREAD NPT



0375.LN	3/8"	3/8"	1
0500.LN	1/2"	1/2"	1
0750.LN	3/4"	3/4"	1
01000.LN	1"	1"	1

LOCK-NUTS SYNTHETIC

THREAD: METRIC, PG



MATERIAL: POLYAMIDE, GLASS-FIBER REINFORCED
TEMP. RANGE: -20°/+100°C



PART NUMBER	SIZE	WRENCH SIZE	MM	COLOR	STD. PKG. SIZE
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THREAD METRIC

8212	M12x1.5	17	5.0	GREY	100
8217	M16x1.5	19	6.5	GREY	100
8220	M20x1.5	26	7.0	GREY	100
8225	M25x1.5	32	9.0	GREY	100
8232	M32x1.5	41	9.0	GREY	100
8240	M40x1.5	45	11.0	GREY	50
8250	M50x1.5	59	11.0	GREY	10
8263	M63x1.5	72	13.0	GREY	10

THREAD PG

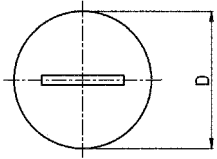
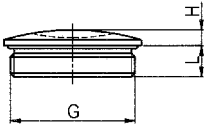


8207	PG 7	19	5.5	GREY	100
8209	PG 9	22	5.5	GREY	100
8211	PG 11	24	5.0	GREY	100
8213	PG 13	27	6.0	GREY	100
8216	PG 16	30	6.0	GREY	100
8221	PG 21	36	7.5	GREY	100
8229	PG 29	46	7.5	GREY	50
8236	PG 36	60	8.5	GREY	25
8242	PG 42	65	8.5	GREY	25
8248	PG 48	70	8.5	GREY	25



LOCKING PLUGS NICKEL-PLATED BRASS

THREAD: METRIC, PG



MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
FEATURES: FLANGED TYPE AND WITH O-RING
O-RING
TEMP. RANGE: -20°/+100°C
PROTECTION CLASS: IP 68

PART NUMBER	SIZE	CABLE DIAM. MM	H MM	L MM	STD. PKG. SIZE
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SHORT ENTRY THREAD METRIC
WITH O-RING

8706.08	M 6X1.0	9	3	5	50
8708.08	M 8X1.25	10	3	5	50
8710.08	M10X1.5	12	3	5	50
8712.08	M12X1.5	14	3	5	50
8717.08	M16X1.5	19	3	5	50
8720.08	M20X1.5	24	3	6	25
8725.08	M25X1.5	28	4	7	25
8732.08	M32X1.5	35	4	8	10
8740.08	M40X1.5	45	6	8	10
8750.08	M50X1.5	55	6	9	10
8763.08	M63X1.5	70	6	10	10
8775.08	M75X1.5	80	6	11	5

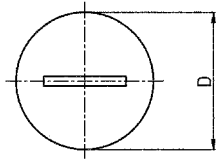
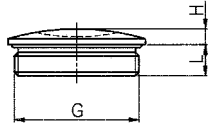
PART NUMBER	SIZE	CABLE DIAM. MM	H MM	L MM	STD. PKG. SIZE
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SHORT ENTRY THREAD PG
WITH O-RING

8707.08	PG 7	14	3	5.0	100
8709.08	PG 9	17	3	6.0	100
8711.08	PG 11	20	3	6.0	100
8713.08	PG 13	22	3	6.5	50
8716.08	PG 16	24	3	6.5	50
8721.08	PG 21	30	4	7.0	10
8729.08	PG 29	39	4	8.0	10
8736.08	PG 36	50	6	9.0	10
8742.08	PG 42	60	6	10.0	10
8748.08	G2"	65	6	10.0	10
8748.48.08	PG 48	65	6	10.0	10

LOCKING PLUGS SYNTHETIC

THREAD: METRIC, PG



MATERIAL: POLYSTYROL, SHOCK RESISTANT
 FEATURES: FLANGED TYPE
 TEMP. RANGE: -20°/+80°C
 PROTECTION CLASS: IP 54

PART NUMBER	SIZE	CABLE DIAM. MM	H MM	L MM	COLOR	STD. PKG. SIZE
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SHORT ENTRY THREAD METRIC
 WITHOUT O-RING

8812	M12X1.5	15	4	6	GREY	100
8817	M16X1.5	20	5	7	GREY	100
8820	M20X1.5	24	5	7	GREY	100
8825	M25X1.5	30	4	11	GREY	100
8832	M32X1.5	37	5	11	GREY	100
8840	M40X1.5	46	6	12	GREY	50
8850	M50X1.5	55	7	13	GREY	25
8863	M63X1.5	69	6	14	GREY	10

SHORT ENTRY THREAD PG
 WITHOUT O-RING

8807	PG 7	14	3	5	GREY	100
8809	PG 9	20	3	6	GREY	100
8811	PG 11	22	3	6	GREY	100
8813	PG 13	25	4	6	GREY	100
8816	PG 16	27	4	6	GREY	100
8821	PG 21	33	4	8	GREY	100
8829	PG 29	44	4	8	GREY	50
8836	PG 36	55	4	10	GREY	25
8848	PG 48	69	6	12	GREY	25



CROSS REFERENCE

HEYCO - AGRO

HEYCO - PG THREAD TYPE

AGRO - 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

HEYCO - NPT THREAD TYPE

AGRO - 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

HEYCO - STRAIN RELIEF

AGRO - STRAIN RELIEF

THREAD TYPE	HEYCO BLACK	HEYCO GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
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

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 BLACK	AGRO GREY
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



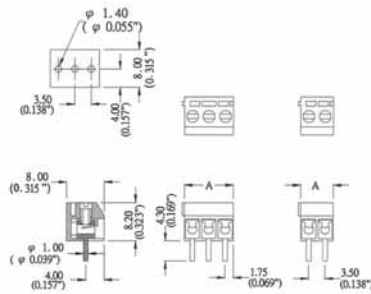
PRINTED CIRCUIT BOARDS

AEI OFFERS SINGLE AND DUAL LEVEL TERMINAL BLOCKS FOR PRINTED CIRCUIT BOARDS ON 3.5MM, 5.0MM, 5.08MM, 7.5M 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

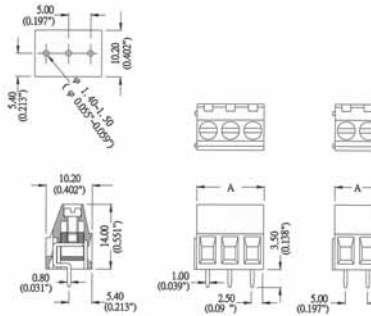


SINGLE LEVEL • 90° • PITCH: 3.50 MM

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)
T-212-350M2	2	7.00	0.276
T-212-350M3	3	10.50	0.413

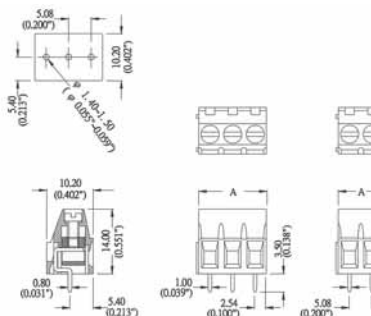


SINGLE LEVEL • 90° • PITCH: 5.00 MM

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)
T-312-500M2	2	10.00	0.394
T-312-500M3	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

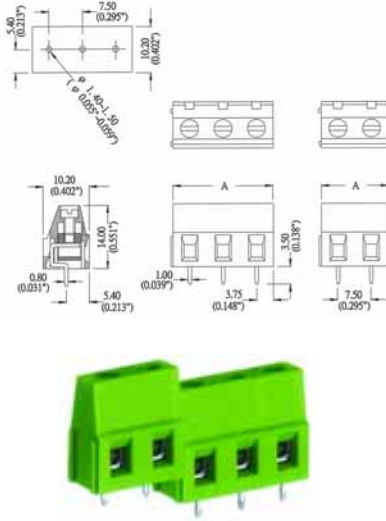
ITEM NO.	POLES	A (MM)	A (INCH)
T-312-508M2	2	10.16	0.400
T-312-508M3	3	15.24	0.600



PRINTED CIRCUIT BOARD

TERMINAL BLOCKS

SINGLE LEVEL • 90° • PITCH: 7.50 MM

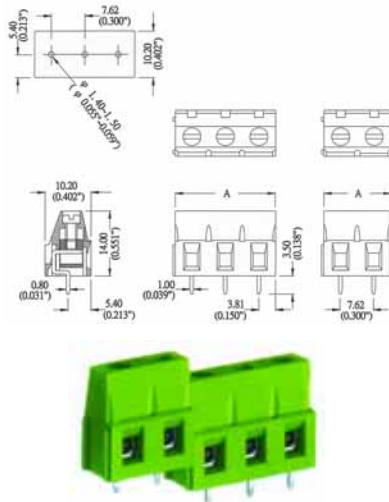


TECHNICAL

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

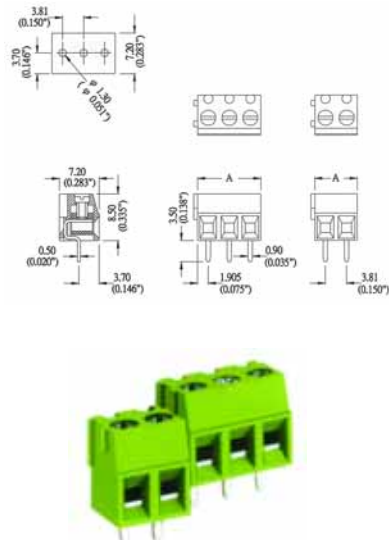


TECHNICAL

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

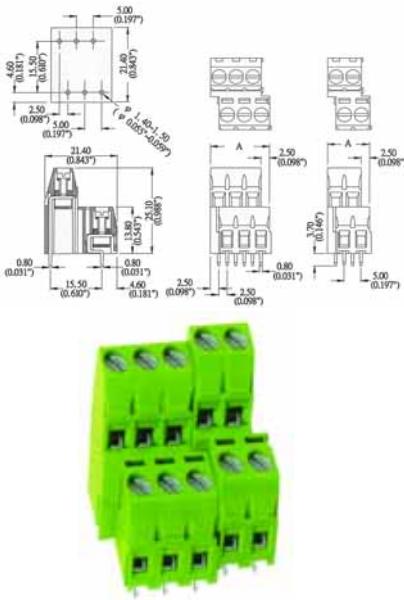
CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.5T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.0, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 200°C (+392°F)
CURRENT RATING:	8 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION 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

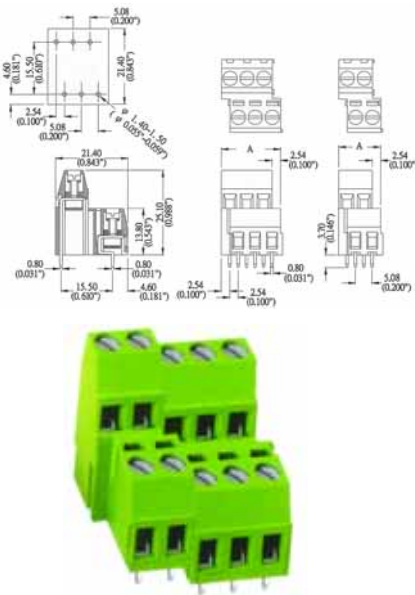


TECHNICAL

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

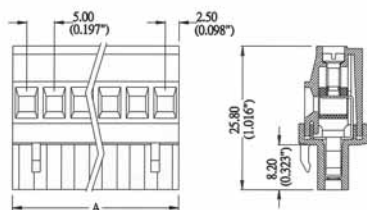
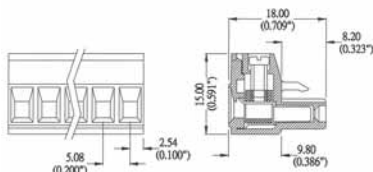
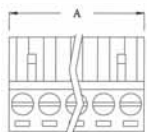
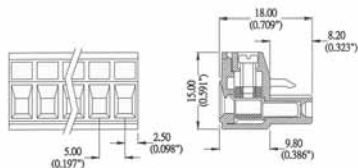
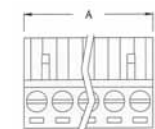
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-100-50802	2	10.16	0.400	P-100-50809	9	45.72	1.800
P-100-50803	3	15.24	0.600	P-100-50810	10	50.80	2.000
P-100-50804	4	20.32	0.800	P-100-50811	11	55.88	2.200
P-100-50805	5	25.40	1.000	P-100-50812	12	60.96	2.400
P-100-50806	6	30.48	1.200				
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

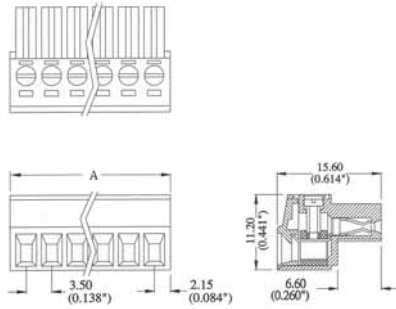
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-200-50002	2	10.00	0.394	P-200-50009	9	45.00	1.772
P-200-50003	3	15.00	0.591	P-200-50010	10	50.00	1.969
P-200-50004	4	20.00	0.787	P-200-50011	11	55.00	2.165
P-200-50005	5	25.00	0.984	P-200-50012	12	60.00	2.362
P-200-50006	6	30.00	1.181				
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

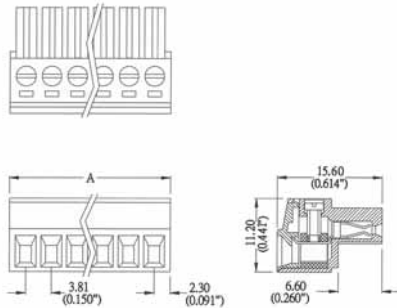


TECHNICAL

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)
P-420-35002	2	7.80	0.307	P-420-35009	9	32.30	1.272
P-420-35003	3	11.30	0.445	P-420-35010	10	35.80	1.409
P-420-35004	4	14.80	0.583	P-420-35011	11	39.30	1.547
P-420-35005	5	18.30	0.720	P-420-35012	12	42.80	1.685
P-420-35006	6	21.80	0.858	P-420-35013	13	46.30	1.823
P-420-35007	7	25.30	0.996	P-420-35014	14	49.80	1.961
P-420-35008	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

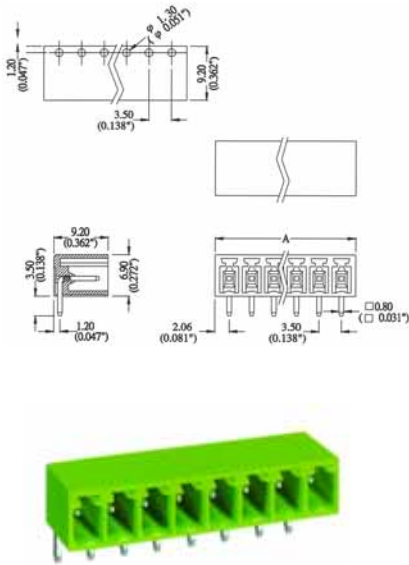
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-420-38102	2	8.41	0.331	P-420-38109	9	35.08	1.381
P-420-38103	3	12.22	0.481	P-420-38110	10	38.89	1.531
P-420-38104	4	16.03	0.631	P-420-38111	11	42.70	1.681
P-420-38105	5	19.84	0.781	P-420-38112	12	46.51	1.831
P-420-38106	6	23.65	0.931				
P-420-38107	7	27.46	1.081	P-420-38116	16	61.75	2.431
P-420-38108	8	31.27	1.231				



PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 90° • PITCH: 3.50 MM

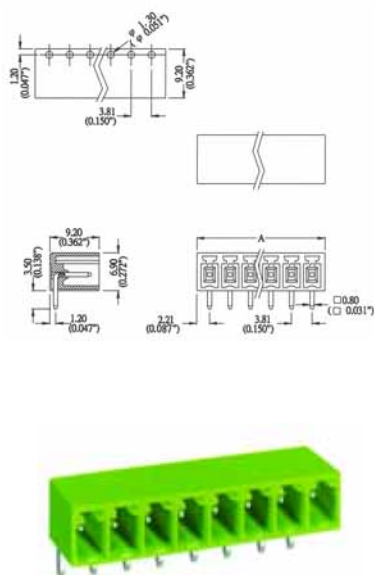


TECHNICAL

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

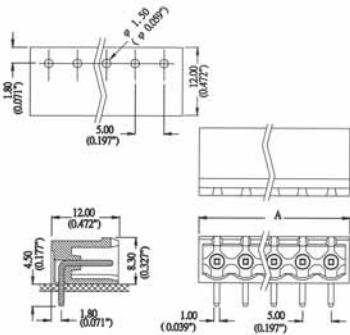
SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	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

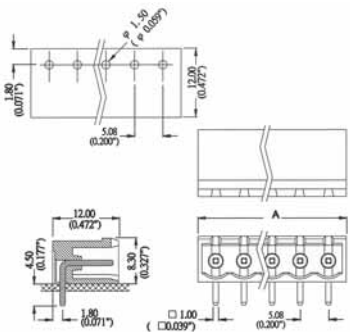


TECHNICAL

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				



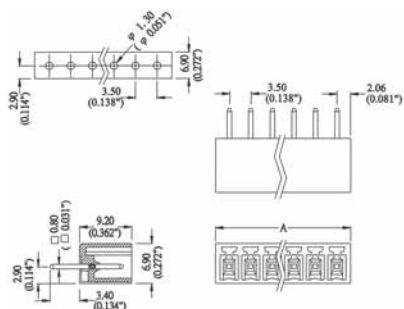
PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 180° • PITCH: 3.50 MM

TECHNICAL

SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-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 1.3 MM

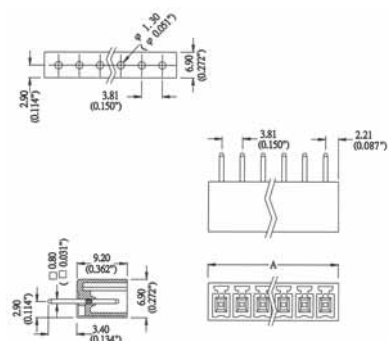


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-040-35002	2	7.60	0.299	H-040-35009	9	32.10	1.264
H-040-35003	3	11.10	0.437	H-040-35010	10	35.60	1.402
H-040-35004	4	14.60	0.575	H-040-35011	11	39.10	1.539
H-040-35005	5	18.10	0.713	H-040-35012	12	42.60	1.677
H-040-35006	6	21.60	0.850	H-040-35013	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-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 1.3 MM

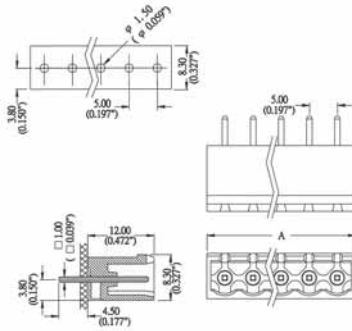


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-040-38102	2	8.23	0.324	H-040-38109	9	34.90	1.374
H-040-38103	3	12.04	0.474	H-040-38110	10	38.71	1.524
H-040-38104	4	15.85	0.624	H-040-38111	11	42.52	1.674
H-040-38105	5	19.66	0.774	H-040-38112	12	46.33	1.824
H-040-38106	6	23.47	0.924				
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

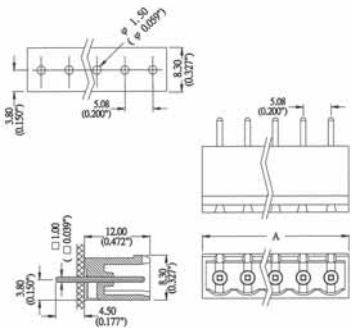


TECHNICAL

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

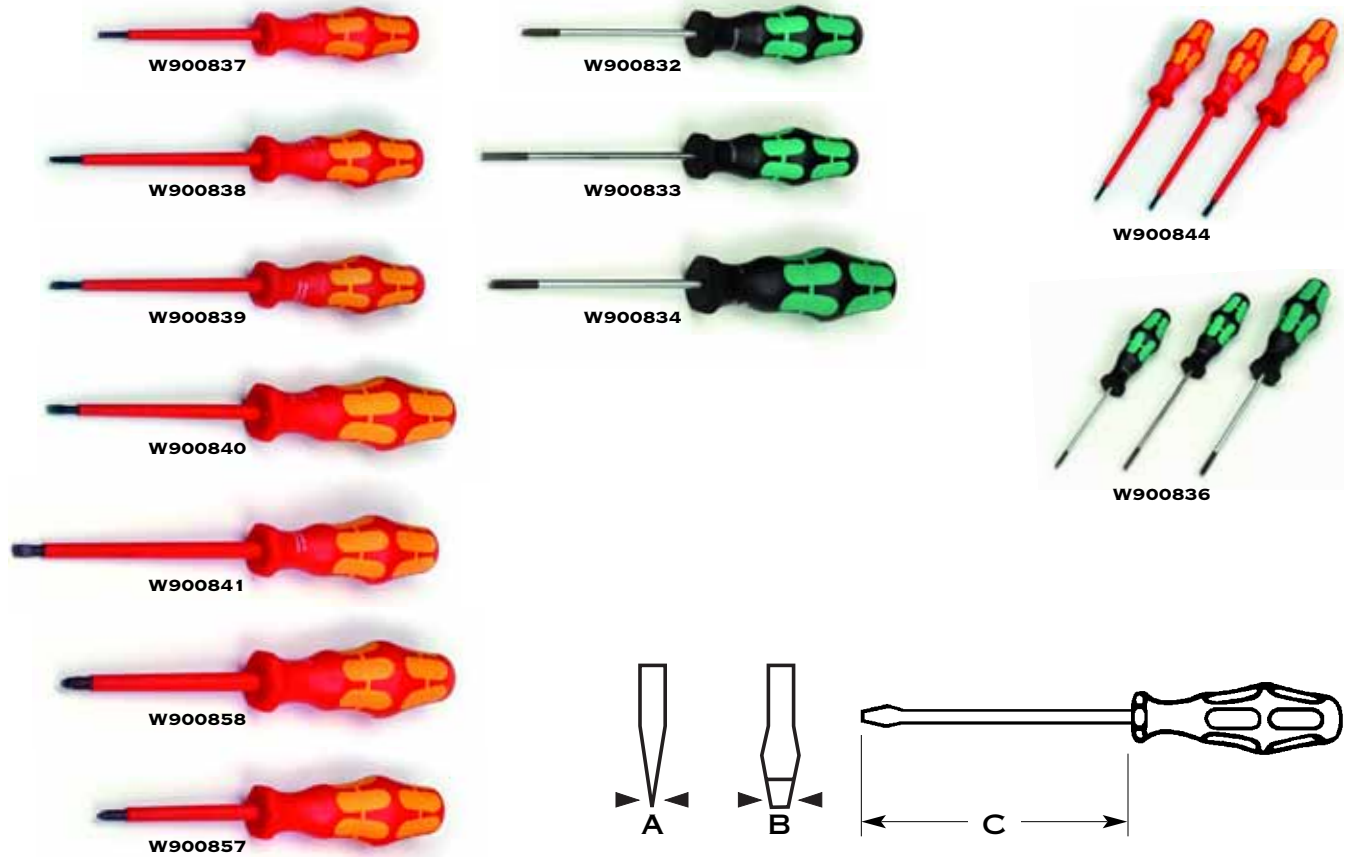
THE ERGONOMIC DESIGN OF OUR SCREWDRIVER HANDLES EFFICIENTLY PROVIDES THE PROPER TIGHTENING TORQUE FOR YOUR TERMINAL BLOCK APPLICATION. INSULATION IS RATED AT 10,000V FOR YOUR SAFETY. THE TIPS OF OUR SCREWDRIVERS ARE MADE OF HARDENED STEEL FOR A LONGER TOOL LIFE.



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 (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 (INCLUDES ONE OF EACH: W900832, W900833, W900834)			
INSULATED PHILLIPS SCREWDRIVER	W900858 (100 MM)			
NON-INSULATED PHILLIPS SCREWDRIVER	W900857 (80 MM)			



INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
8000.06	.90	8840	.93	336100	.22	450210	.33	476249	.18
8000.08	.90	8848.48	.93	336220	.20	463110	.13	476252	.18
8000.1	.90	8850	.93	336230	.20	463150	.13	476253	.18
8000.12	.90	8863	.93	336240	.20	463170	.13	476254	.18
8000.17	.90	16140	.44	336250	.20	467910	.13	480132	.26
8000.2	.90	16240	.44	351100	.28	467919	.9	480133	.26
8000.25	.90	16340	.44	351120	.31	467950	.13	480134	.26
8000.32	.90	19414	.79	351220	.28	474122	.9	480139	.26
8000.4	.90	19418	.80	351310	.28	474123	.9	480172	.32
8000.5	.90	19419	.79	351320	.28	474124	.9	480173	.32
8000.63	.90	19420	.80	351510	.28	474129	.9	480174	.32
8000.75	.90	19421	.79	351720	.31	474132	.9	480179	.32
8007	.90	19422	.80	351750	.31	474132	.24	480182	.32
8009	.90	19423	.79	353100	.27	474133	.9	480183	.32
8011	.90	19429	.80	353200	.33	474133	.24	480184	.32
8013	.90	19440	.79	353300	.33	474134	.9	480189	.32
8016	.90	101050	.40	354100	.28	474134	.24	485204	.13
8021	.90	101075	.40	355110	.30	474139	.9	485206	.13
8029	.90	101100	.40	355120	.30	474139	.24	485210	.13
8036	.90	101150	.40	355720	.30	474142	.10	485216	.13
8042	.90	101250	.40	355750	.30	474143	.10	485235	.13
8048	.90	102050	.40	360110	.27	474144	.10	485506	.32
8207	.91	102075	.40	370500	.32	474149	.10	485510	.32
8209	.91	102100	.40	370501	.32	474152	.10	490020	.13
8211	.91	102150	.40	370502	.32	474153	.10	490040	.9
8212	.91	102250	.40	370590	.32	474154	.10	490070	.9
8213	.91	103050	.40	370591	.32	474159	.10	490080	.10
8216	.91	103075	.40	370592	.32	474162	.10	492010	.9
8217	.91	103100	.40	375500	.32	474163	.10	492020	.10
8220	.91	103150	.40	375501	.32	474164	.10	493020	.9
8221	.91	103250	.40	375502	.32	474169	.10	493023	.9
8225	.91	161025	.44	375590	.32	474172	.10	493040	.9
8229	.91	161040	.44	375591	.32	474173	.10	495040	.13
8232	.91	161050	.44	375592	.32	474174	.10	496110	.13
8236	.91	162025	.44	420020	.34	474179	.10	496119	.9
8240	.91	162050	.44	420120	.34	475112	.13	496250	.9
8242	.91	163025	.44	421020	.34	475113	.13	496260	.13
8248.48	.91	163050	.44	421120	.34	475114	.13	498110	.13
8250	.91	304120	.9	430022	.34	475119	.13	498120	.13
8263	.91	304130	.9	430032	.34	475122	.13	498130	.9
8706.08	.92	304140	.10	430042	.34	475123	.13	498130	.13
8707.08	.92	304150	.10	432012	.34	475124	.13	498140	.9
8708.08	.92	304160	.10	432022	.34	475129	.13	498140	.13
8709.08	.92	304170	.10	432032	.34	475132	.13	505000	.35
8710.08	.92	304190	.10	432042	.34	475132	.13	505001	.35
8711.08	.92	305110	.13	444120	.9	475133	.13	505002	.35
8712.08	.92	305120	.13	444160	.10	475134	.13	505003	.35
8713.08	.92	305130	.13	445110	.13	475139	.13	505004	.35
8716.08	.92	305140	.13	445150	.13	475142	.13	505005	.35
8717.08	.92	305150	.13	445170	.13	475143	.13	505006	.35
8720.08	.92	305160	.13	446210	.21	475144	.13	505007	.35
8721.08	.92	305170	.13	446219	.21	475149	.13	505008	.35
8725.08	.92	305190	.13	446260	.23	475152	.13	505009	.35
8729.08	.92	306220	.18	446270	.22	475153	.13	505010	.35
8732.08	.92	306230	.18	446272	.22	475154	.13	505020	.35
8736.08	.92	306240	.18	446279	.22	475159	.13	505021	.35
8740.08	.92	306250	.18	446320	.18	475162	.13	505022	.35
8742.08	.92	318100	.23	446322	.20	475163	.13	505023	.35
8748.08	.92	318120	.23	446330	.18	475164	.13	505024	.35
8750.08	.92	319100	.24	446332	.20	475169	.13	505030	.35
8763.08	.92	319120	.24	446340	.18	475172	.13	505040	.35
8775.08	.92	324100	.26	446342	.20	475173	.13	505041	.35
8807	.93	324200	.26	446349	.18	475174	.13	505042	.35
8809	.93	324300	.26	446350	.18	475179	.13	505043	.35
8811	.93	326050	.21	446352	.20	476222	.18	505044	.35
8812	.93	326100	.22	449010	.24	476223	.18	505045	.35
8813	.93	326200	.22	450040	.27	476224	.18	505046	.35
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- CABLE GLANDS
- PRINTED CIRCUIT BOARDS
- SCREWDRIVERS



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