

To put the finishing touch on your application, we offer an extensive selection of useful accessories to build and install DIN Rail terminal block assemblies and to facilitate factory and field wiring.

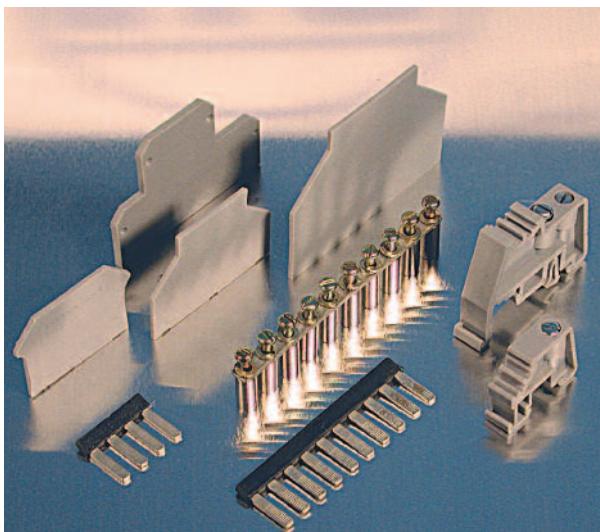
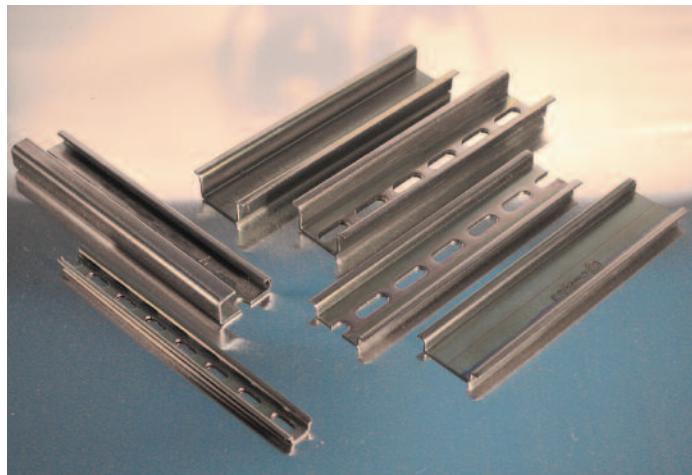
Accessories include end stops, end plates and partitions. Also offered are DIN Rails, ferrules, jumpers and more. From design to commissioning and operation, Altech accessories help you do the job better.

We've tried to make the selection of accessories as easy as possible. The most common accessories are listed together with their ordering information on each terminal block page in this catalog.

# Terminal Block Accessories

## MOUNTING

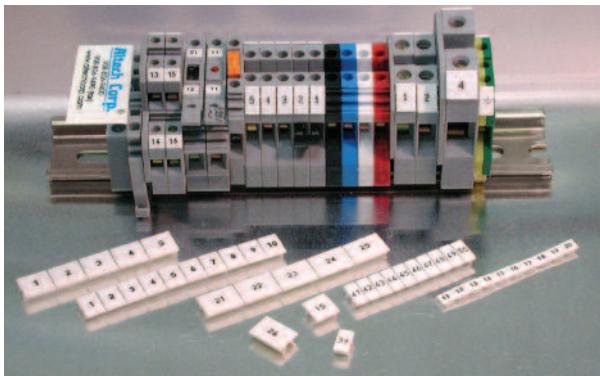
DIN Mounting Rails are internationally standardized and available in 35mm, 32mm and 15mm sizes, with or without perforations. These also accommodate a wide variety of control components such as circuit breakers, timers, motor starters, relays, switches, etc. The 15mm rail with miniature blocks is used when space is at a premium.



## INTERCONNECTION

In addition, Altech offers a wide choice of both Internal and External Jumpers to minimize wiring time and reduce installation cost. Available in standard 2, 3, 4 and 10 pole configurations, or custom multipole jumpers. Our internal jumpers screw directly into terminal block busbars.

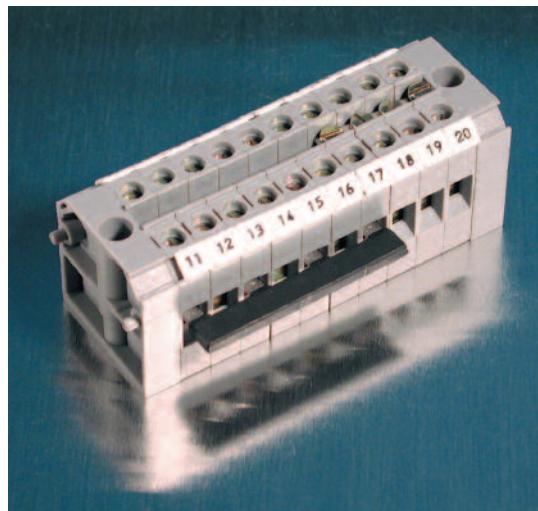
External jumpers are available in straight-comb styles. They may be used for terminal blocks without internal jumpering provisions or in combination with internal jumpers.



## ACCESORIES

Altech accessories add the finishing touches to your terminal block assemblies. End Stops prevent terminal blocks or other components and devices from moving laterally on the rail.

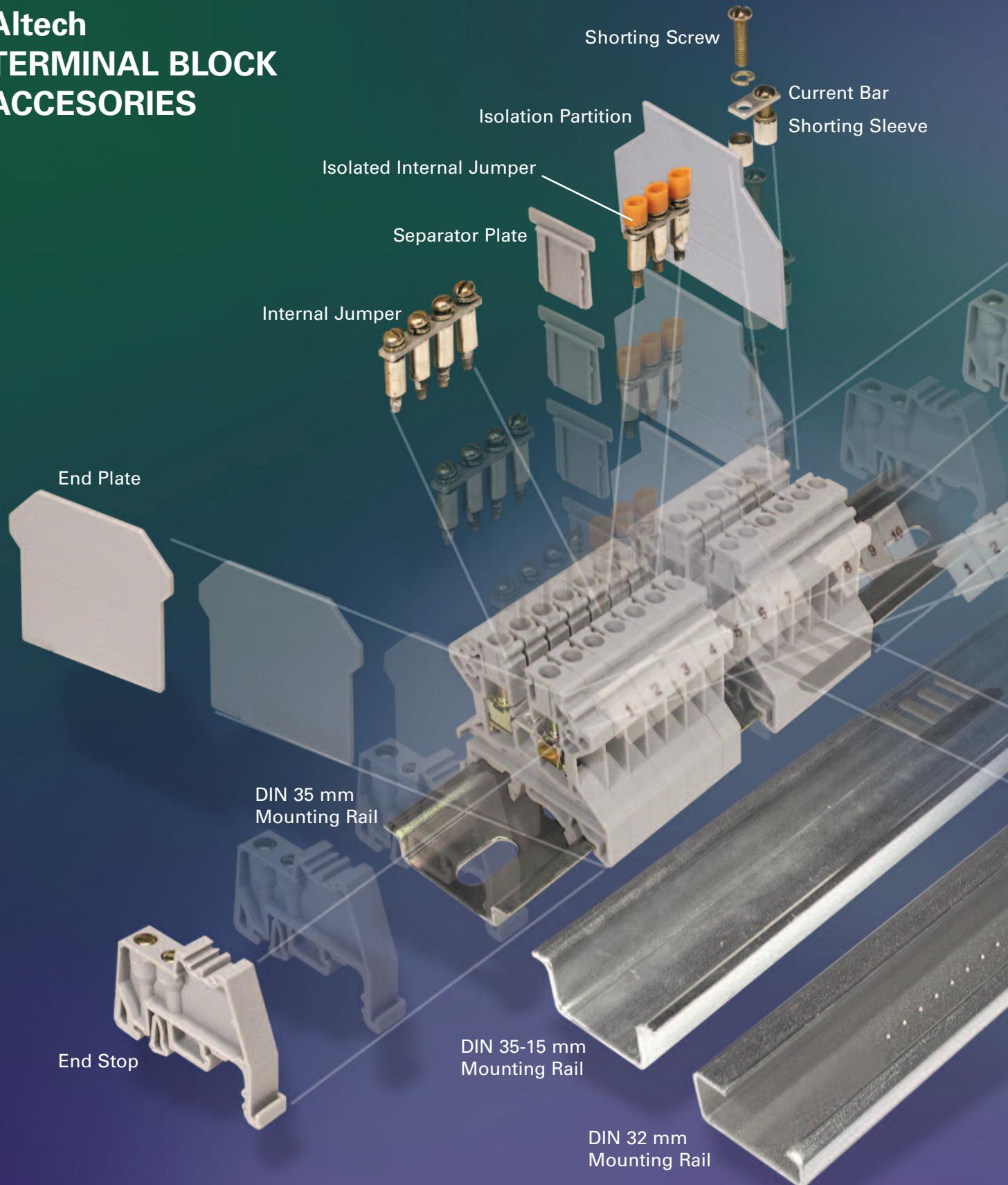
End Plates close off the last terminal in a series, a vital function, since sectional terminal blocks are supplied with one side open. Isolation partitions provide visual separation of terminal groups, as well as electrical isolation between terminals of different potentials.

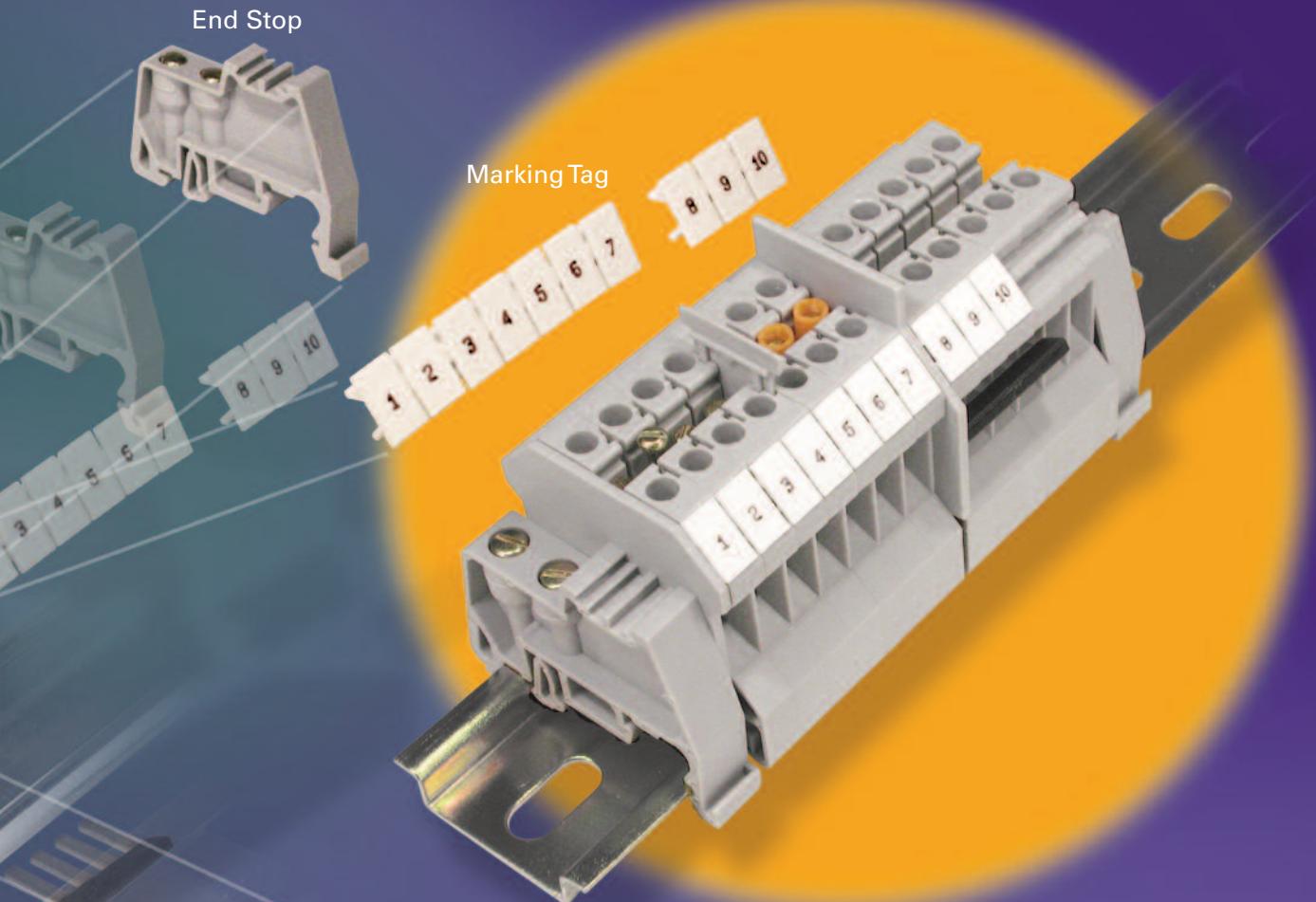


## MARKING TAGS

Marking Tags make DIN Rail assemblies easier to wire and facilitate troubleshooting. Altech's extensive terminal block marking system includes standard or custom printed push on tags in a variety of sizes for circuit identification.

# Altech TERMINAL BLOCK ACCESORIES





Sample Terminal Block Assembly  
showing all accessories

External Jumper



Support Bracket

# Terminal Block Accessories

## DIN Mounting Rails

Altech DIN Rails comply with DIN 50045, 50022 and 50035 Standards. DIN Rails have been accepted throughout the world, allowing the designer to mount a wide variety of control components, devices, terminal blocks, etc. on the same rail. The use of DIN Rails enhances design capabilities, saves space and reduces labor.

Standard rails are made of steel with zinc plating and chromate passivation and are available in various configurations.

DIN Rails are available in 35mm (7.5 and 15mm deep), 32mm and 15mm widths and are supplied in 1 m (3'3") and 2 m (6'6") lengths. Upon request they can be cut to custom lengths and punched with holes or perforations.

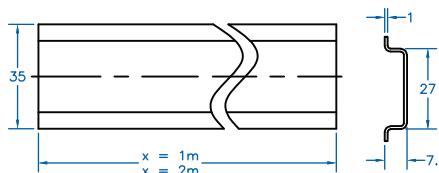
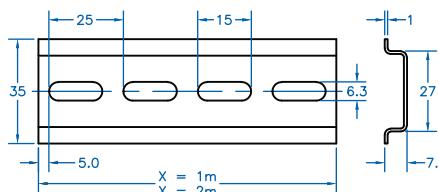
- 35mm, 32mm, 15mm
- Perforated or unperforated
- Rail material is steel with electrolytic zinc plating

## DIN35



35 mm x  
7.5 mm deep

| Type               | Cat. No.   | Length | Std. Pk. |
|--------------------|------------|--------|----------|
| Perforated Steel   | 2511120    | 2m     | 20       |
| Steel              | 2511120/1M | 1m     | 40       |
| Unperforated Steel | 2511110    | 2m     | 20       |
|                    | 2511110/1M | 1m     | 40       |

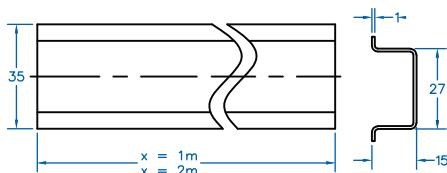
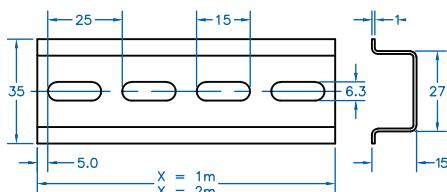


## DIN35



35 mm x  
15 mm deep

| Type               | Cat. No.      | Length | Std. Pk. |
|--------------------|---------------|--------|----------|
| Perforated Steel   | CA701-15/S-2M | 2m     | 12       |
| Steel              | CA701-15/S    | 1m     | 24       |
| Unperforated Steel | CA701-15-2M   | 2m     | 12       |
|                    | CA701-15      | 1m     | 24       |



## Support Brackets

Support Brackets elevate DIN Rails away from the panel to facilitate component mounting and to increase wiring access. Angled brackets tilt the rail by 45° to improve visibility. Straight brackets are available in three heights for optimum positioning of the rail.

Brackets mount with 2 screws to any panel or flat surface and have tapped center holes for rail mounting. Bracket material is steel, zinc plated yellow chromated.

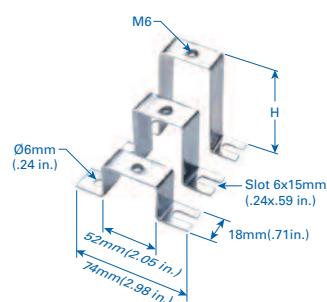
## CA603



Suitable for all mounting rails

| Cat. No. | Std. Pk. |
|----------|----------|
| CA603    | 25       |

## TSTW



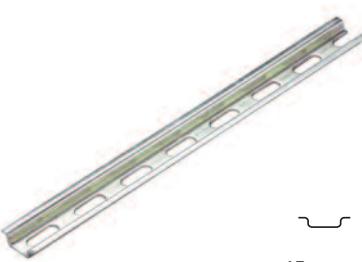
Complete with rail mounting hardware:  
including one screw & one locknut

| Height | Cat. No. | Std. Pk. |
|--------|----------|----------|
| 1"     | CA703    | 25       |
| 2"     | CA803    | 25       |
| 3"     | CA903    | 25       |

DIN32

35 mm x  
15 mm deep

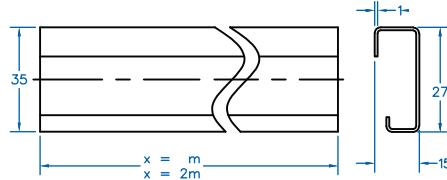
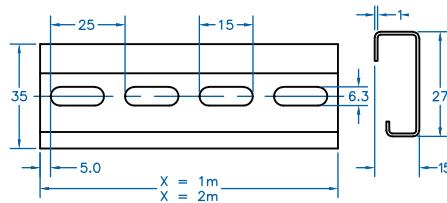
DIN15

15 mm x  
5.5 mm deep

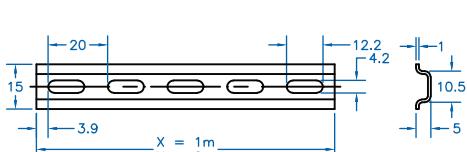
| Type             | Cat. No.   | Length | Std. Pk. |
|------------------|------------|--------|----------|
| Perforated Steel | 2511160    | 2m     | 12       |
|                  | 2511160/1M | 1m     | 24       |

| Type               | Cat. No. | Length | Std. Pk. |
|--------------------|----------|--------|----------|
| Unperforated Steel | 2511150  | 2m     | 12       |



| Type             | Cat. No. | Length | Std. Pk. |
|------------------|----------|--------|----------|
| Perforated Steel | CA601/S  | 1m     | 40       |



## Mounting Handle

Mounting handle is used for mounting 10 terminal blocks on a DIN rail, thus saving considerable time. Specially designed pins in the mounting handle grips the terminal blocks when pressed against entry.

MH2.5



MH4



| Cat. No. | Jumper for | Std. Pk. | Cat. No. | Jumper for | Std. Pk. |
|----------|------------|----------|----------|------------|----------|
| MH2.5    | CTS2.5U-N  | 1        | MH4      | CTS4U-N    | 1        |

# Terminal Block Accessories

## End Stops

End Stops prevent terminal blocks and other DIN Rail mount components and devices from moving laterally on the rail. They are available in polyamide 6.6 and metal configurations for 35mm, 32mm, and 15mm DIN rails. CA102 and CA202 are large endstops for heavy duty applications. CA103 is a screwless endstop and snaps on to the DIN rail.

| CA102   | CA202   | CA702  | CA802   | CA602   |
|---|---|--|---|---|
|  |  |  |  |  |
| Material:<br>Polyamide 6.6  | Material:<br>Polyamide 6.6  | Material:<br>Polyamide 6.6   | Material:<br>Polyamide 6.6  | Material:<br>Polyamide 6.6  |
| Dimensions<br>H x L x W:<br>46 x 50 x 9 mm  | Dimensions<br>H x L x W:<br>44.5 x 50 x 9.5 mm                                    | Dimensions<br>H x L x W:<br>34 x 44 x 9 mm   | Dimensions<br>H x L x W:<br>32 x 45 x 8 mm  | Dimensions<br>H x L x W:<br>20 x 28 x 8 mm  |
| Cat. No. CA102 Std. Pk. 50  | Cat. No. CA202 Std. Pk. 50  | Cat. No. CA702 Std. Pk. 50   | Cat. No. CA802 Std. Pk. 50  | Cat. No. CA602 Std. Pk. 50  |
| Suitable for:<br>32 and 35 mm<br>DIN Rails  | Suitable for:<br>35 mm<br>DIN Rails   | Suitable for:<br>32 and 35 mm<br>DIN Rails   | Suitable for:<br>35 mm<br>DIN Rails   | Suitable for:<br>15 mm<br>DIN Rails   |

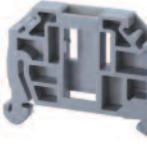
## Spacer / Separator

CASP is a DIN Rail mountable spacer generally used for circuit separation.

## DIN Rail Mounting Foot

CMTB-35 is used to assemble components on a DIN rail. Comes with pre-punched holes.

- Support bracket for DIN rail mounting parts
- Hole Qty x dia., 4x4.3mm, 2x5.5mm

| CA103   | CA302  | CA402   | CA502   |
|---|--|---|---|
|  |  |  |  |
| Material:<br>Polyamide  | Material:<br>Steel   | Material:<br>Steel  | Material:<br>Steel  |
| Dimensions<br>H x L x W:<br>41 x 35 x 6 mm  | Dimensions<br>H x L x W:<br>27 x 39.5 x 16 mm                                      | Dimensions<br>H x L x W:<br>27 x 39.5 x 16 mm                                       | Dimensions<br>H x L x W:<br>25 x 22.5 x 11.5 mm                                     |
| Cat. No. CA103 Std. Pk. 50  | Cat. No. CA302 Std. Pk. 50   | Cat. No. CA402 Std. Pk. 50  | Cat. No. CA502 Std. Pk. 50  |
| Suitable for:<br>35 mm<br>DIN Rails   | Suitable for:<br>35x7.5mm<br>DIN Rails   | Suitable for:<br>35x15 mm<br>DIN Rails  | Suitable for:<br>32 mm<br>DIN Rails   |

| CASP  | CMTB-35  | CDL4USP   |
|---|--|---|
|  |  |  |
| Material:<br>Polyamide 6.6  | Material:<br>Polyamide 6.6   | Material:<br>Polyamide 6.6  |
| Dimensions<br>H x L x W:<br>29 x 43 x 8 mm  | Dimensions<br>H x L x W:<br>18 x 58 x 18 mm  | Dimensions<br>H x L x W:<br>54 x 55.5 x 6 mm  |
| Cat. No. CASP Std. Pk. 50   | Cat. No. CMTB-35 Std. Pk. 50   | Cat. No. CDL4USP Std. Pk. 50  |
| Suitable for:<br>All<br>DIN Rails   | Suitable for:<br>Mounting Foot for<br>35 mm DIN rails                                | Suitable for:<br>All<br>DIN Rails   |

**Group Identification**

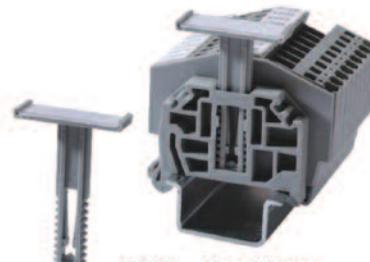
GMH6, GMH7 &amp; GMH8

To be mounted directly on Din Rails (GMH6 & GMH7). A sticker / paper needs to be inserted in the slot which is covered by a transparent plastic sheet.

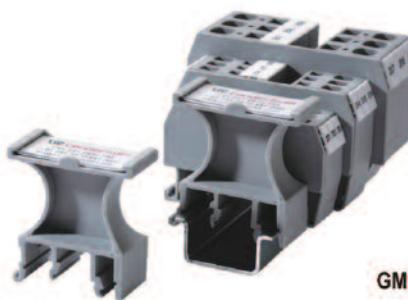


**GMH6**

**Mountable on**  
All mounting rails  
**Dimension**  
46.5(H) x 44.5(W) x 9.5(T) mm



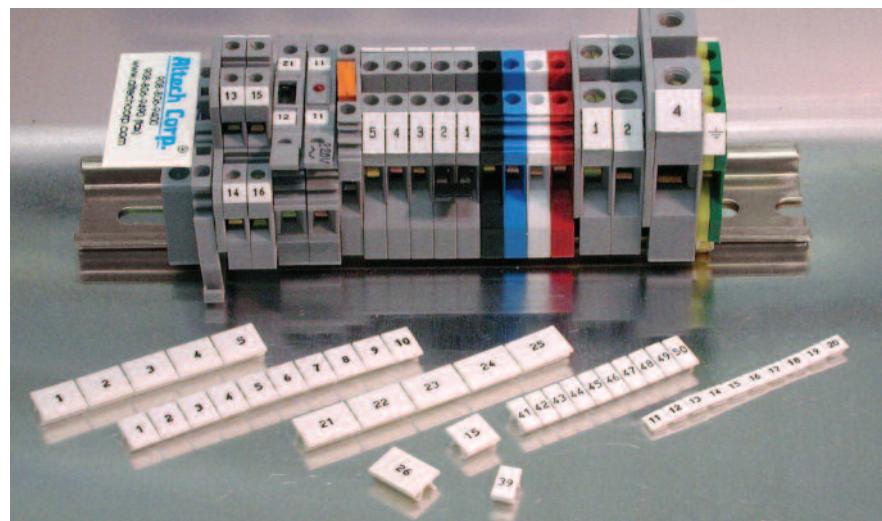
**GMH8** **Mountable on**  
CA103  
**Dimension**  
44 (H) x 30.5(W) x 10(T) mm



**GMH7** **Mountable on**  
All mounting rails  
**Dimension**  
46.5(H) x 44.5(W) x 9.5(T) mm



Group Marker,  
shown imprinted and  
attached to CA 702.  
Blank and custom  
printing available.  
Cat. No. MTG1



# Terminal Block Accessories

## End Plates

End plates are used to cover the open side of sectional DIN Rail mount terminal blocks. They should be used at the end of an assembly of identical terminal blocks or whenever there is a change in the physical size of the terminal block.

- Material: polyamide 6.6
- Standard color: gray

### END PLATES



| Cat. No.        | Std. Pk. | Dimensions (H x L x W) | Suitable for:                             |
|-----------------|----------|------------------------|---|
| EP2.5/4UN       | 50       | 32 x 39 x 1.5          | CTS2.5UN/4UN/CTT2.5UK/T/J/E               |
| EP6/10U         | 50       | 31 x 42.5 x 1.5        | CTS6U/CTS10U                              |
| EP25U           | 50       | 40 x 48 x 2            | CTS25U                                    |
| EP35            | 50       | 43 x 50 x 1.5          | CTS35U                                    |
| EPCM/C1-2       | 50       | 35.5 x 46.5 x 2.5      | CMC1-2                                    |
| EPCM/C2-2       | 50       | 40.5 x 65 x 2.5        | CMC2-2                                    |
| EPCDL4U         | 50       | 43 x 55 x 2.4          | CDL4U/CDL4U(I.S)/ CDL4U(E) Series         |
| EPODL4U         | 50       | 49 x 68 x 5.5          | ODL4U/ODL4UA(Front Side)                  |
| EP1ODL4U        | 50       | 24 x 68 x 3            | ODL4U/ODL4UA(Back Side)                   |
| EPCTL2.5U       | 50       | 55.5 x 84 x 1.5        | CTL2.5U/2.5UL/2.5U(I.S)                   |
| EPCTL2.5UH      | 50       | 55.5 x 61 x 1.5        | CTL2.5UH/2.5UH(L)/2.5UH(I.S)D2            |
| EPCMT4          | 50       | 22.5 x 27 x 1.5        | CMT4/CMT4S/CMT4SU                         |
| EPCM/B4         | 50       | 27 x 27 x 7            | CMB4                                      |
| EPCSFL4U        | 50       | 28 x 55.5 x 1.6        | CSFL4U/4U(L)/CSDL4U                       |
| EPCSFL6U        | 50       | 42.5 x 36 x 1.5        | CSFL6U/CSDL6U                             |
| EPCAFL4U        | 25       | 32 x 72 x 1.5          | CAFL4U/4UL/4UN                            |
| EPDDFL4U        | 25       | 49 x 87.6 x 3          | DDFL4U/4ULR/4U(E)/4U(E)LR                 |
| EPCDTTU         | 50       | 41 x 63 x 3            | CDTTU/CDTTUSH                             |
| EPCKT4U         | 50       | 30.5 x 46.5 x 2.5      | CKT4U                                     |
| EPCGT4U         | 50       | 40.5 x 43 x 1          | CGT4U                                     |
| EPCCTC4U        | 50       | 34.5 x 47 x 2.5        | CTC4U                                     |
| EPCSTSN5U       | 50       | 31 x 50 x 1.5          | CSTSN4U/N5U/N6U/B4U/B5U                   |
| EPSTH4          | 50       | 39.5 x 46 x 1.5        | STH4                                      |
| EPSTH4DT        | 50       | 37.5 x 86 x 1.5        | STH4DT / STH4DTSH                         |
| EPCSC2.5T       | 50       | 23 x 58 x 1.5          | CSC2.5T/CSCG2.5T                          |
| EPCSC4T         | 50       | 28 x 65 x 1.5          | CSC4T/CSCG4T                              |
| EPCSC6T         | 50       | 32 x 72 x 2            | CSC6T/CSCG6T                              |
| EPCSC10T        | 50       | 37.5 x 75 x 1.5        | CSC10T/CSCG10T                            |
| EPCSC16T        | 50       | 82 x 38 x 1.5          | CSC16T/CSCG16T                            |
| EPCSCP2.5T(L&R) | 25       | 27.5 x 35 x 5          | CSCP2.5T/CSCP2.5T2                        |
| EPCSC2.5T1-2    | 50       | 27 x 74 x 1.5          | CSC2.5T1-2                                |
| EPCSC2.5T2-2    | 50       | 25 x 90 x 1.5          | CSC2.5T2-2/CSC2.5T/4(E)D3                 |
| EPCSC4T1-2      | 50       | 28.5 x 84.5 x 1.5      | CSC4T1-2                                  |
| EPCSC4T2-2      | 50       | 28.5 x 105 x 1.5       | CSC4T2-2                                  |
| EPCSC6T1-2      | 50       | 94 x 30 x 1.5          | CSC6T1-2                                  |
| EPAS2.5         | 50       | 35 x 54 x 1.5          | AS2.5, 2.5/3, 2.5/4, AGT2.5, 2.5/3, 2.5/4 |
| EPAS4           | 50       | 27.5 x 61 x 1.5        | AS4, 4/3, 4/4, AGT4, 4/3, 4/4             |
| EPAS6           | 50       | 33.5 x 74 x 1.5        | AS6, 6/3, AGT6, 6/3                       |
| EPASF4          | 50       | 37 x 86 x 1.5          | ASF4/ASF4L                                |
| EPADL2.5        | 50       | 43.5 x 80 x 1.5        | ADL2.5/ADL2.5(E)D1/D2                     |

## Isolation Partitions

Isolation partitions provide separation between terminal blocks with different potentials. When used for DC power applications, voltages of up to  $\pm 600V$  DC can be used on either side of the isolation partition. They also provide visual separation between groups of blocks.

- Material: polyamide 6.6
- Standard color: gray

## Separator Plates

Used for electrical separation of adjacent jumpers. They can be inserted after the terminal blocks have been assembled on DIN rail. There is no loss of width.

## PARTITIONS



| Cat. No.  | Std. Pk. | Dimensions (H x L x W) | Suitable for:               |
|-----------|----------|------------------------|-----------------------------|
| PP2.5/4UN | 50       | 37 x 44 x 1.6          | CTS2.5UN/4UN/CTT2.5UK/T/J/E |
| PP6/10U   | 50       | 37.5 x 56.5 x 1.5      | CTS6U/CTS10U                |
| PP25U     | 50       | 46.5 x 62 x 1.5        | CTS25U                      |
| PP25UN    | 50       | 42.5 x 62 x 1          | CTS25UN                     |
| PP35U     | 50       | 50 x 64.5 x 1.5        | CTS35U                      |
| PP35UN    | 50       | 50 x 64.5 x 1          | CTS35UN                     |
| PPCMT4    | 50       | 32.5 x 37 x 1.6        | CMT4/CMT4S/CMT4SU           |
| PPCSFL4U  | 50       | 42.5 x 62 x 1.5        | CSFL4U/4UL(CSDL4U)          |
| PPCSC2.5T | 50       | 28 x 58.7 x 1.5        | CSC2.5T/CSCG2.5T            |
| PPCSC4T   | 50       | 33 x 65 x 1.5          | CSC4T/CSCG4T                |
| PPCSC6T   | 50       | 36.5 x 72 x 2          | CSC6T/CSCG6T                |

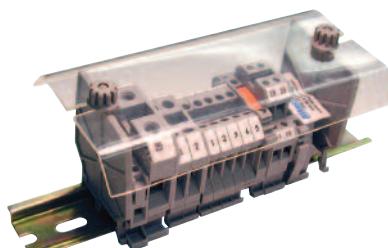
## SEPARATOR PLATES



| Cat. No.  | Std. Pk. | Dimensions (H x L x W) | Suitable for:                     |
|-----------|----------|------------------------|-----------------------------------|
| SP2.5/4UN | 100      | 17.5 x 17.4 x 1.4      | CTS2.5UN/4UN/CTT2.5UK/T/J/E       |
| SP6/10U   | 100      | 15.4 x 16.2 x 1.5      | CTS6U/CTS10U/16U                  |
| SPCDL4U   | 100      | 15.4 x 16.2 x 1.6      | CDL4U/CDL4U(I.S)/ CDL4U(E) Series |
| SPCMB4    | 100      | 14.5 x 12 x 1.5        | CMB4                              |

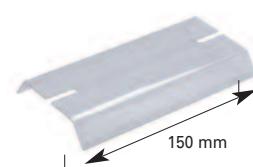
## Protective Cover / Side Holding Plates

For protection against dust and shock, transparent protective cover can be installed above the terminal block assembly with the aid of side/holding plates. The side holding plates can be fitted on 35 mm and 32 mm Din rails. These plates should be backed by standard end stops.



Assmebled Block installed with Protective Cover

CTSPC



For all Rail Mounting Terminals

CSP1



Mounting Accessories for CTSPC

# Screw Clamp Terminal Block Accessories

## Jumpering System

The jumpering systems bus potentials between terminal blocks, reducing wiring time. Adjacent blocks or selective terminal blocks within an assembly can be easily interconnected, leaving terminal clamps free for wiring. Purchase complete assemblies, which are ready for installation, or select individual components to create custom or extra long jumpers. Jumper ampacity is lower than the rated current of the respective terminal blocks, therefore, applied current must not exceed the maximum current value of the block. Internal jumpers may be used in combination with external jumpers to achieve additional jumpering possibilities.

## Internal Jumper Assemblies

Internal Jumper Assemblies consist of a Current Bar, Shorting Sleeves and screws. They install easily into the center of the terminal block and connect to the current bar. They are available as standard 2, 3, 4 or 10 pole assemblies and are ready for immediate installation. Insulated internal jumpers provide shock protection when installed on terminal block assemblies.

## External Jumper

External Jumpers bus potentials between terminal blocks, reducing wiring time. Adjacent or selected blocks within an assembly can be easily interconnected. Jumper poles may be removed for selective jumpering. Jumpers are insulated and available in 2, 3, 4 and 10 pole versions. They are made of tin plated brass/copper.

## Current Bars

Current Bars are offered to create custom jumper assemblies for increased number of poles or custom jumpers. Select the current bar with the required number of poles, or field cut them to the required length. They are made of tin or nickel plated copper or brass.

## Shorting Sleeves & Screws

Shorting Sleeves & Screws ensure reliable and mechanically safe electrical connections between current bars and the terminal block current bars. One shorting sleeve is required for each jumpered terminal. They are made of nickel plated brass.

### INTERNAL JUMPER



### INSULATED INTERNAL JUMPER



| Terminal Series        | Poles            | Cat. No.  | Torque | Std. Pk. | Cat. No.  | Torque | Std. Pk. |
|------------------------|------------------|-----------|--------|----------|-----------|--------|----------|
| CTS2.5UN               | 2                | CA721/2   | 0.4 Nm | 100      | CA741/2   | 0.4 Nm | 100      |
|                        | 3                | CA721/3   |        | 100      | CA741/3   |        | 100      |
|                        | 4                | CA721/4   |        | 100      | CA741/4   |        | 100      |
|                        | 10               | CA721/10  |        | 10       | CA741/10  |        | 10       |
|                        | 100 <sup>2</sup> | CA721/100 |        | 10       | CA741/100 |        | 10       |
| CTS4UN                 | 2                | CA722/2   | 0.4 Nm | 100      | CA742/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 100      | CA742/3   |        | 100      |
|                        | 4                | CA722/4   |        | 100      | CA742/4   |        | 100      |
|                        | 10               | CA722/10  |        | 10       | CA742/10  |        | 10       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 10       | CA742/100 |        | 10       |
| CTS4UTM                | 10 (breakable)   |           |        |          |           |        |          |
|                        | 2                | CA723/2   | 0.5 Nm | 100      | CA743/2   | 0.5 Nm | 100      |
|                        | 3                | CA723/3   |        | 50       | CA743/3   |        | 50       |
|                        | 4                | CA723/4   |        | 50       | CA743/4   |        | 50       |
|                        | 100              | CA723/10  |        | 10       | CA743/10  |        | 10       |
| CTS6U                  | 2                | CA724/2   | 0.5 Nm | 100      | CA744/2   | 0.5 Nm | 100      |
|                        | 3                | CA724/3   |        | 50       | CA744/3   |        | 50       |
|                        | 4                | CA724/4   |        | 50       | CA744/4   |        | 50       |
|                        | 10               | CA724/10  |        | 10       | CA744/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTS10U                 | 2                | CA725/2   | 0.8 Nm | 50       | CA745/2   | 0.8 Nm | 50       |
|                        | 3                | CA725/3   |        | 50       | CA745/3   |        | 50       |
|                        | 4                | CA725/4   |        | 50       | CA745/4   |        | 50       |
|                        | 10               | CA725/10  |        | 10       | CA745/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTS16U                 | 2                | CA726/2   | 0.8 Nm | 50       | CA746/2   | 0.8 Nm | 50       |
|                        | 3                | CA726/3   |        | 50       | CA746/3   |        | 50       |
|                        | 4                | CA726/4   |        | 50       | CA746/4   |        | 50       |
|                        | 10               | CA726/10  |        | 10       | CA746/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTS25U                 | 2                | CA727/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA727/3   |        | 100      | CA747/3   |        | 100      |
|                        | 4                | CA727/4   |        | 100      | CA747/4   |        | 100      |
|                        | 10               | CA727/10  |        | 10       | CA747/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTS35U                 | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTS35UN*               | 2                | CA771/2   | 0.8 NM | 50       | CA781/2   | 0.8 NM | 50       |
|                        | 3                | CA771/3   |        | 20       | CA781/3   |        | 20       |
|                        | 4                | CA771/4   |        | 20       | CA781/4   |        | 20       |
|                        | 10               | CA771/10  |        | 10       | CA781/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CMT4                   | 2                | CA727/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA727/3   |        | 100      | CA747/3   |        | 100      |
|                        | 4                | CA727/4   |        | 100      | CA747/4   |        | 100      |
|                        | 10               | CA727/10  |        | 10       | CA747/10  |        | 10       |
|                        | 100 <sup>2</sup> |           |        |          |           |        |          |
| CDL4U(I.S.)            | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| ODL4U                  | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CDL4UTM                | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| DDFL4U                 | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| DDFL4U(E)              | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| DDDL4U                 | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CSFL4U <sup>1</sup>    | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CSFL4U(L) <sup>1</sup> | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CSDL4U                 | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CAFL4U                 | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CAFL4U(L) <sup>1</sup> | 2                | CA729/2   | 0.5 Nm | 100      | CA749/2   | 0.5 Nm | 100      |
|                        | 3                | CA729/3   |        | 50       | CA749/3   |        | 50       |
|                        | 4                | CA729/4   |        | 50       | CA749/4   |        | 50       |
|                        | 10               | CA729/10  |        | 10       | CA749/10  |        | 10       |
|                        | 10 (breakable)   |           |        |          |           |        |          |
| CTL2.5U                | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| CTL2.5UH               | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| CTL2.5UL               | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| CTL2.5UHL              | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| CTL2.5U(L.S.)          | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| CTL2.5U(L)             | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |
| 10 (breakable)         | 2                | CA722/2   | 0.4 Nm | 100      | CA747/2   | 0.4 Nm | 100      |
|                        | 3                | CA722/3   |        | 50       | CA747/3   |        | 50       |
|                        | 4                | CA722/4   |        | 50       | CA747/4   |        | 50       |
|                        | 10               | CA722/10  |        | 20       | CA747/10  |        | 20       |
|                        | 100 <sup>2</sup> | CA722/100 |        | 20       | CA747/100 |        | 20       |

## EXTERNAL JUMPER



## CURRENT BAR



## SHORTING SLEEVE &amp; SCREWS



| Cat. No. | Torque | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.     | Torque | Std. Pk. |
|----------|--------|----------|------------|----------|--------------|--------|----------|
| CA717/2  | 0.4 Nm | 100      | CA703/01   | 100      | CA707/S/Q/01 | 0.4 Nm | 100      |
| CA717/3  |        | 100      | CA704/01   | 100      |              |        |          |
| CA717/4  |        | 100      | CA705/01   | 100      |              |        |          |
| CA717/10 |        | 20       | CA731/10   | 100      |              |        |          |
|          |        |          | CA731/100  | 10       |              |        |          |
| CA713/2  | 0.5 Nm | 100      | CA703/1    | 100      | CA707/S/Q/01 | 0.4 Nm | 100      |
| CA713/3  |        | 100      | CA704/1    | 100      |              |        |          |
| CA713/4  |        | 100      | CA705/1    | 100      |              |        |          |
| CA713/10 |        | 20       | CA732/10   | 10       |              |        |          |
|          |        |          | CA732/100  | 100      |              |        |          |
| CA710/2  | 0.8 Nm | 100      | CA703/2    | 100      | CA707/S/Q/1  | 0.5 Nm | 100      |
| CA710/3  |        | 50       | CA704/2    | 100      |              |        |          |
| CA710/4  |        | 50       | CA705/2    | 100      |              |        |          |
| CA710/10 |        | 20       | CA733/10   | 100      |              |        |          |
| CA718/2  | 0.8 Nm | 100      | CA703/3    | 100      | CA707/S/Q/1  | 0.5 Nm | 100      |
| CA718/3  |        | 50       | CA704/3    | 100      |              |        |          |
| CA718/4  |        | 50       | CA705/3    | 100      |              |        |          |
| CA718/10 |        | 20       | CA734/10   | 100      |              |        |          |
|          |        |          | CA703/8    | 100      | CA707/S/Q/5  | 0.8 Nm | 100      |
|          |        |          | CA704/8    | 100      |              |        |          |
|          |        |          | CA705/8    | 100      |              |        |          |
|          |        |          | CA739/10   | 100      |              |        |          |
|          |        |          | CA703/4    | 100      | CA707/S/Q/2  | 0.8 Nm | 100      |
|          |        |          | CA704/4    | 100      |              |        |          |
|          |        |          | CA705/4    | 100      |              |        |          |
|          |        |          | CA735/10   | 100      |              |        |          |
|          |        |          | CA703/5    | 100      | CA707/S/Q/2  | 0.8 Nm | 100      |
|          |        |          | CA704/5    | 100      |              |        |          |
|          |        |          | CA705/5    | 100      |              |        |          |
|          |        |          | CA736/10   | 100      |              |        |          |
|          |        |          | CA703/10   | 100      | CA707/S/Q/2  | 0.8 Nm | 100      |
|          |        |          | CA704/10   | 100      |              |        |          |
|          |        |          | CA705/10   | 100      |              |        |          |
|          |        |          | CA770/10   | 100      |              |        |          |
| CA714/2  | 0.5 Nm | 100      | CA703/1    | 100      | CA707/S/Q    | 0.4 Nm | 100      |
| CA714/3  |        | 100      | CA704/1    | 100      |              |        |          |
| CA714/4  |        | 100      | CA705/1    | 100      |              |        |          |
| CA714/10 |        | 20       | CA732/10   | 100      |              |        |          |
|          |        |          | CA732/100  | 10       |              |        |          |
|          |        |          | CA732/10-A | 100      |              |        |          |
| CA711/2  | 0.8 Nm | 100      | CA703/6    | 100      | CA707/S/Q/3  | 0.5 Nm | 100      |
| CA711/3  |        | 50       | CA704/6    | 100      |              |        |          |
| CA711/4  |        | 50       | CA705/6    | 100      |              |        |          |
| CA711/10 |        | 20       | CA737/10   | 100      |              |        |          |
| CA716/2  | 0.8 Nm | 50       |            |          |              |        |          |
| CA716/3  |        | 50       |            |          |              |        |          |
| CA716/4  |        | 50       |            |          |              |        |          |
| CA716/10 |        | 20       |            |          |              |        |          |
| CA715/2  | 0.4 Nm | 100      | CA703/1    | 100      | CA707/S/Q/01 | 0.4 Nm | 100      |
| CA715/3  |        | 100      | CA704/1    | 100      |              |        |          |
| CA715/4  |        | 100      | CA705/1    | 100      |              |        |          |
| CA715/10 |        | 20       | CA732/10   | 100      |              |        |          |
|          |        |          | CA732/100  | 10       |              |        |          |
|          |        |          | CA732/10-A | 100      |              |        |          |

## Spring Clamp Accessories

ALTERNATE JUMPER



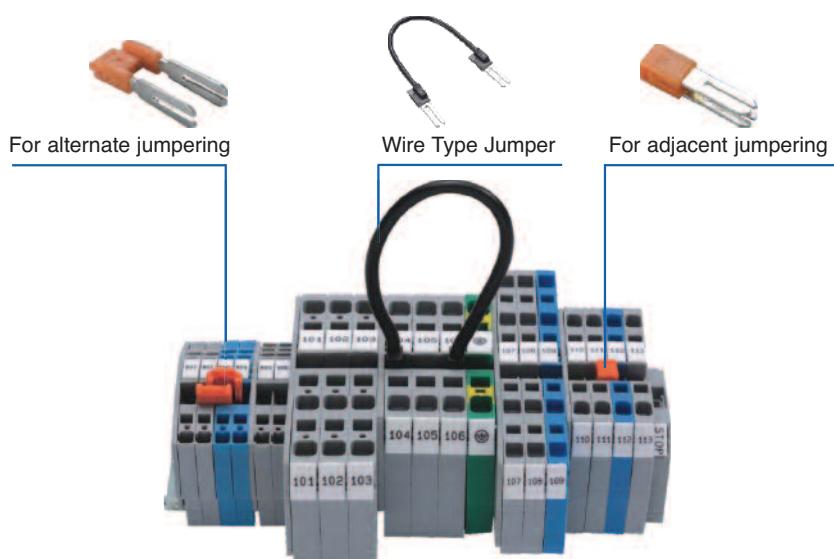
WIRE TYPE JUMPER



ADJACENT JUMPER



| Terminal   | Cat. No.  | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |
|------------|-----------|----------|----------|----------|----------|----------|
| CSC2.5T    | CA801/1-3 | 100      | CA901/1  | 100      | CA801/1  | 100      |
| CSC4T      | CA801/2-3 | 100      | CA901/2  | 100      | CA801/2  | 100      |
| CSC6T      | CA801/3-3 | 100      | CA901/3  | 100      | CA801/3  | 100      |
| CSC10T     |           |          |          |          | CA801/4  | 100      |
| CSC2.5T1-2 | CA801/1-3 | 100      | CA901/1  | 100      | CA801/1  | 100      |
| CSC2.5T2-2 | CA801/1-3 | 100      | CA901/1  | 100      | CA801/1  | 100      |
| CSC4T1-2   | CA801/2-3 | 100      | CA901/2  | 100      | CA801/2  | 100      |
| CSC4T2-2   | CA801/2-3 | 100      | CA901/2  | 100      | CA801/2  | 100      |
| CSC6T1-2   | CA801/3-3 | 100      | CA901/3  | 100      | CA801/3  | 100      |
| CSCP2.5T   |           |          |          |          | CA803/1  | 100      |
| CSCP2.5T2  |           |          |          |          | CA803/1  | 100      |
| ADL2.5     | CA801/1-3 | 100      | CA901/1  | 100      | CA801/1  | 100      |
| ASF4       |           |          |          |          | CA801/7  | 100      |



## Step Down Jumpers

Used for jumpering different size blocks.

| Terminal        | Cat. No. | Std. Pk. |
|-----------------|----------|----------|
| CSC6T – CSC4T   | CA901/4  | 100      |
| CSC6T – CSC2.5T | CA901/5  | 100      |
| CSC4T – CSC2.5T | CA901/6  | 100      |



## Marking Tags

The cost effective MT marking system provides quick and accurate identification. MT Push-On Marking Tags fit all Altech DIN Rail mount and panel mount terminal blocks. They can be inserted individually or as strips of 10 tags on terminal block assemblies for quick and easy marking.

MT Marking Tags are supplied blank for custom marking or they can be ordered with a horizontal or vertical imprint. The standard tag color is white with black imprint. Tags can be ordered with up to 3 characters each. Imprints can be either consecutive or identical characters. MT tags, catalog numbers MT2-MT8 are supplied in packs of identical strips, 10 tags per strip. Catalog numbers MT10-MT15 are supplied in packs of identical strips, 5 tags per strip.

Group marker MTG1 is used for group identification and can be fixed on the end stop CA702.

When ordering specify strip marking as a suffix; i.e. MT2/H-1-10.

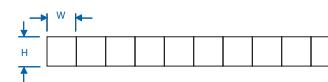
## Warning Labels

These 5 position warning labels can be mounted on top of 8 mm Terminal Blocks. Besides giving visual identification, it also makes an entire DIN Rail Terminal Block assembly completely shock proof. SWL6 warning labels are suitable for CTS6U, CMDB6 and CDB6 series Terminal Blocks.

| BLANK MARKING TAGS |  |  |  | HORIZONTAL MARKING TAGS |  |  |  | VERTICAL MARKING TAGS |  |  |  |
|--------------------|--|--|--|-------------------------|--|--|--|-----------------------|--|--|--|
|--------------------|--|--|--|-------------------------|--|--|--|-----------------------|--|--|--|



| Cat. No. | Std. Pk. Strips | Std. Pk. Tags | Dims H | Dims W | Cat. No. | Std. Pk. Strips | Std. Pk. Tags | Dims H | Dims W | Cat. No. | Std. Pk. Strips | Std. Pk. Tags | Dims H | Dims W |
|----------|-----------------|---------------|--------|--------|----------|-----------------|---------------|--------|--------|----------|-----------------|---------------|--------|--------|
| MT2      | 10              | 100           | 4.9    | 5.8    | MT2/H    | 10              | 100           | 4.9    | 5.8    | MT2/V    | 10              | 100           | 4.9    | 5.8    |
| MT3      | 20              | 100           | 5.0    | 10.0   | MT3/H    | 20              | 100           | 5.0    | 10.0   | MT3/V    | 20              | 100           | 5.0    | 10.0   |
| MT4      | 10              | 100           | 5.0    | 4.8    | MT4/H    | 10              | 100           | 5.0    | 4.8    | MT4/V    | 10              | 100           | 5.0    | 4.8    |
| MT5      | 10              | 100           | 9.4    | 4.5    | MT5/H    | 10              | 100           | 9.4    | 4.5    | MT5/V    | 10              | 100           | 9.4    | 4.5    |
| MT6      | 10              | 100           | 9.4    | 5.5    | MT6/H    | 10              | 100           | 9.4    | 5.5    | MT6/V    | 10              | 100           | 9.4    | 5.5    |
| MT8      | 10              | 100           | 10.4   | 7.3    | MT8/H    | 10              | 100           | 10.4   | 7.3    | MT8/V    | 10              | 100           | 10.4   | 7.3    |
| MT9      | 10              | 100           | 10.3   | 8.7    | MT9/H    | 10              | 100           | 10.3   | 8.7    | MT9/V    | 10              | 100           | 10.3   | 8.7    |
| MT9F     | 10              | 10            | 10.3   | 90.0   | MT9F/H   | 10              | 10            | 10.3   | 90.0   | MT9F/V   | 10              | 10            | 10.3   | 90.0   |
| MT10     | 20              | 100           | 10.4   | 9.4    | MT10/H   | 20              | 100           | 10.4   | 9.4    | MT10/V   | 20              | 100           | 10.4   | 9.4    |
| MT12     | 20              | 100           | 10.4   | 11.3   | MT12/H   | 20              | 100           | 10.4   | 11.3   | MT12/V   | 20              | 100           | 10.4   | 11.3   |
| MT15     | 20              | 100           | 10.4   | 14.3   | MT15/H   | 20              | 100           | 10.4   | 14.3   | MT15/V   | 20              | 100           | 10.4   | 14.3   |
| MT20     | 20              | 100           | 4.9    | 20     | MT20/H   | 20              | 100           | 4.9    | 20     | MT20/V   | 20              | 100           | 4.9    | 20     |
| MT25     | 20              | 100           | 4.9    | 25     | MT25/H   | 20              | 100           | 4.9    | 25     | MT25/V   | 20              | 100           | 4.9    | 25     |



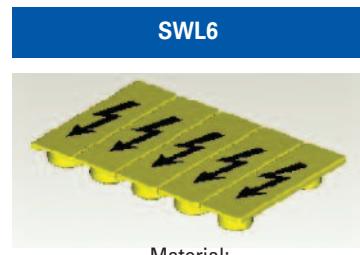
Consecutive Digits  
(Specify decade)  
Nos. 1-10, 11-20, etc. up to 100 \*  
Nos. 101-110, etc. up to 999 \*

Consecutive Digits  
(Specify decade)  
Nos. 1-10, 11-20, etc. up to 100  
Nos. 101-110, etc. up to 999



Identical Characters  
(Specify digits, characters)  
Nos. 1, 2, 3 etc. up to 999 \*  
Characters A, B, up to Z,  
Symbols +, -, =

\*



SWL6

Material:  
Polyamide 6.6

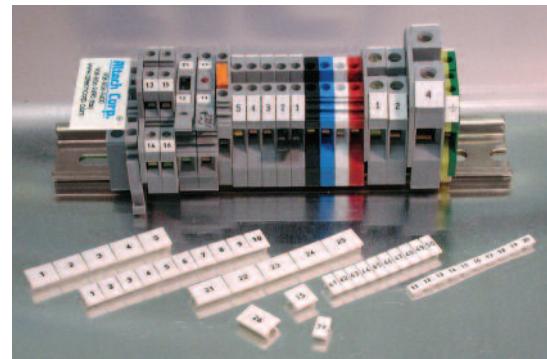
Dimensions  
H x L x W:  
4 x 39.5 x 27 mm

| Cat. No. | Std. Pk. |
|----------|----------|
| SWL6     | 50       |

Suitable for: All DIN Rails



Group Marker,  
shown imprinted and  
attached to CA 702.  
Blank and custom  
printing available.  
Cat. No. MTG1



**The New and Affordable**  
**Altech® Marking Tag**  
**Plotter Package**

*For use with  
Altech & Connectwell  
Marking Tags Only*



*Remember Altech  
also has the best priced  
blocks on the market.*

**Call  
today!**

**Altech Corp.®**

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**Scriber VS210**

The VS200 base unit is a stand-alone plotting system with an integral keyboard and display screen. The marker fixture, plotter pen, and the memory cassette have to be inserted in the base unit to make it operational. The base unit comes in an aluminum carrying case and includes the memory cassette and the power supply. A manual is available in English and Spanish.

The VS 200 can be used to produce labels of all types, with its fixture changeable in a matter of seconds.

The Vario VS 200 makes labeling easy. The menu-driven program guides you quickly and easily through all the steps.

It can be used at any time and in any place. Easily transported in its special case, the battery-operated (battery pack sold separately) VS 200 can be operated precisely where you need it. The spacious case provides enough room for the extensive accessories.

**Plotter VP 500**

The VP 500 base unit is an auxiliary plotter and has to be connected to a PC via a parallel port or USB connection. It is a high speed plotting device and enables plotting of different markers in one setting. The marker fixture and the plotter pen have to be inserted before commencing the plotting operation. The base unit is primarily controlled through a PC with the help of Vario Sign software. Manual available in English and Spanish.

The special design of the VP 500 enables it to hold different markers from various manufacturers at the same time. It is also possible to write on relatively large markers with a maximum height 14 mm.

**Fixtures**

Fixtures are required for alignment of markers with respect to the plotter pen. Different marker fixtures can be mounted on the plotter bed of the VP 500 at the same time thereby reducing set up times. Fixtures for different markers from various manufacturers like Altech, Allen Bradley, Connectwell, ContaClip, Entrelec, Weidmuller, Phoenix Contact, PTR, Wieland, Wago, Murrplastik, Partex, SES Sterling, etc. are available. For more information on ordering fixtures please contact Altech.

**SCRIBER VS 210**

- Identifiers for connectors, wires, cables and equipment
- Cable ties, shrink tubing, labels and signs of different sizes and materials, as well as customer-specific items.
- Size: 14.9" x 7.5" x 1.77"
- Weight: 6.6 lbs.

**Ordering Information**

|  |          |
|--|----------|
| BASE UNIT (includes power supply, memory cassette and carrying case)                                 | 34000000 |
| STARTER KIT (includes cleaning unit, pen cleaners, felt pen, 0.25 mm plotter pen) and ink cartridges | 34000001 |
| FIXTURES (Contact Altech for available manufacturers)  | 3490xxxx |
| MEMORY CASSETTE  | 35500001 |
| BATTERY PACK   | 35500000 |



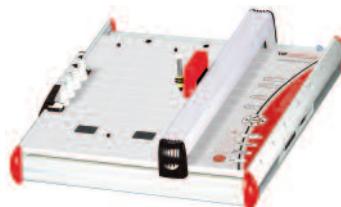
Fixtures & Memory Cassette



Battery Pack



Plotter Pen, Ink Cartridge

**CMPS 500 PLOTTER PACKAGE**

- CMPS plotter
- Size: 17" x 18" x 4.9"
- Tag Sizes: MT2, MT3, MT4, MT5, MT6, MT8, MT9, MT10, MT12, MT15, MT20, MT25
- CMPS software with cable
- 2 fixtures for tags MT5-MT15 (MT9 sold separately)
- 1 fixture for tags MT2 and MT25
- 2 disposable pens

**PLOTTER VP 500**

- Identifiers for connectors, wires, cables and equipment
- Cable ties, shrink tubing, labels and signs of different sizes and materials, as well as customer-specific items.
- Size: 26" x 18" x 4.9"

**Ordering Information**

|                          |          |
|--------------------------|----------|
| CMPS 500 PLOTTER PACKAGE | 34130008 |
|--------------------------|----------|

|                                   |          |
|-----------------------------------|----------|
| VP 500 BASE UNIT (includes cable) | 34000030 |
|-----------------------------------|----------|

|  |          |
|--|----------|
| STARTER KIT (includes cleaning unit, pen cleaners, felt pen, 0.25 mm plotter pen) and ink cartridges | 34000001 |
|--|----------|

|                     |          |
|---------------------|----------|
| VARIO SIGN SOFTWARE | 34000020 |
|---------------------|----------|

|  |          |
|--|----------|
| SERVICE KIT (includes 4 seal bonnets and 10 priming print cards) | 34000026 |
|--|----------|

|   |            |
|---|------------|
| FIXTURES (Contact Altech for available manufacturers) | 3490xxxx * |
|---|------------|

\* See page 85.



Fixtures



Plotter Pen, Ink Cartridge



Vario Sign



# Marking Systems

## Engraver VE500

The engraving unit was specifically designed to be used with the VP500 and CMPS 500 plotters. Changing back and forth between the pen-plotter and the engraver is easy. The engraver is meant to engrave plastic signs on double sided material, pre-cut or blank sheets, for legend plates, push button inlays, etc. The engraver is programmed by the VarioSign software for ease of use and design flexibility.



## ENGRAVER VE500



## Ordering Information

VE500 ENGRAVER UNIT (VP500 REQUIRED) ..... 34000040

## Engraving Needles

These engraving needles are to be used with the VE500 engraver. They have a 15° angle and are available in 6 tip widths or as a complete set.

## ENGRAVING NEEDLE



## Ordering Information

| Product   | Width  | Order No. |
|---|--------|-----------|
| Engraving Needle                                    | 0.20mm | 35010003  |
| Engraving Needle                                    | 0.30mm | 35010002  |
| Engraving Needle                                    | 0.40mm | 35010001  |
| Engraving Needle                                    | 0.50mm | 35010000  |
| Engraving Needle                                    | 0.70mm | 35010004  |
| Engraving Needle                                    | 1.00mm | 35010005  |
| Engraving Set(0.20, 0.30, 0.40, 0.50, 0.70, 1.00mm) |        | 35010006  |
| Engraving Needle(0.20 mm cutter stainless steel)    |        | 35012033  |

## VACUUM CLEANER BAG



## Ordering Information

VACUUM CLEANER BAG, SET OF 5 ..... 35020000

**Plotter Pens**

These "tubular-nib" pens are suitable for Vario Scriber VS 200, Vario Plotter VP 500 and all current labeling and identification systems with HP penholders. They are available in six tip widths identified by body color - 0.18 mm, 0.25 mm, 0.35 mm, 0.50 mm, 0.70 mm, and 1.00 mm; *ink cartridge not supplied with pen*. Special variants for other systems are available on request. Specially designed pre-filled felt-tip pens are available in a set of 4 colors (black, blue, red and green) and 2 sizes - 0.3 and 0.7 mm.

**Ink Cartridges**

These are easy to insert "tubular-nib" pen cartridges containing special black ink suitable for marking, identifying and labeling various plastics. It is fast drying, smudge-proof, fade resistant, and resistant to chemicals when used on suitable plastic materials.

**Disposable Pens**

The disposable pens use the same special ink as used in the ink cartridges. They deliver the same outstanding durability and print quality as the standard plotter pens with the convenience of a disposable pen. These pre-filled pens allow for fast, efficient and cost effective printing without refilling ink or cleaning. They are available in two tip widths, 0.25 mm and 0.35 mm.

**Hand Pens**

The hand pens use the same special ink, as used in cartridges, and delivers the same outstanding durability and print quality. They are used for additional identification and special labeling tasks and are available in four tip widths of 0.25mm, 0.35mm, 0.50 mm, and 0.70 mm. No ink included. Must order part 35100006.

**Cleaning Unit**

It is an easy-to-use cleaning unit developed specially for EK Pens. The cleaning unit enables the pens to be rinsed thoroughly while preventing skin contact with cleaning fluid or ink. The cleaning unit can be used for up to ten cleaning cycles. The necessary precautions must be taken when disposing of cleaning fluid, the cleaning unit can be reused.

**Pen Cleaner**

This cleaning solution comes in easy to handle cartridges and is used in conjunction with the cleaning unit. A standard pack consists of two pen cleaner cartridges. Cleaning can be performed on standard refillable pens only.

**Adapter**

This adapter allows the user of Sharpie™ Ultra Fine felt tip pens instead of standard plotter pens.



| Product   | Width   | Order No. |
|---|---------|-----------|
| EK Plotter Pen                                    | 0.18 mm | 35001018  |
| EK Plotter Pen                                    | 0.25 mm | 35001025  |
| EK Plotter Pen                                    | 0.35 mm | 35001035  |
| EK Plotter Pen                                    | 0.50 mm | 35001050  |
| EK Plotter Pen                                    | 0.70 mm | 35001070  |
| EK Plotter Pen                                    | 1.00 mm | 35001100  |
| EK Ink Cartridge<br>(5 pieces, Black, 1 ml. each) |         | 35100006  |

|                                  |         |          |
|----------------------------------|---------|----------|
| EK Felt-tip Pen-Set (white tip)  | 0.30 mm | 35000005 |
| EK Felt-tip Pen-Set (yellow tip) | 0.70 mm | 35000010 |

|                           |         |          |
|---------------------------|---------|----------|
| EK Disposable Plotter Pen | 0.25 mm | 35003025 |
| EK Disposable Plotter Pen | 0.35 mm | 35003035 |

|             |         |          |
|-------------|---------|----------|
| EK Hand Pen | 0.25 mm | 35002025 |
| EK Hand Pen | 0.35 mm | 35002035 |
| EK Hand Pen | 0.50 mm | 35002050 |
| EK Hand Pen | 0.70 mm | 35002070 |

|                          |          |
|--------------------------|----------|
| EK Cleaning Unit (empty) | 35100009 |
|--------------------------|----------|

|   |          |
|---|----------|
| EK Pen Cleaner (2 pieces, 2x10 ml.)                         | 35100008 |
| EK Cleaning Set<br>(includes cleaning unit and pen cleaner) | 35100010 |

|                                    |          |
|------------------------------------|----------|
| Adapter for an Ultra Fine Sharpie™ | 35000501 |
|------------------------------------|----------|

# Plotter Pen Handling and Care

### Handling and care of the EK-Team plotter pens for the universal EK-Team marking system.

For the state of the art universal marking system by EK-team, the manufacturer is supplying a fast drying and etching ink that is required for marking plastic material within the control and automation industry. Due to these special properties of the ink, these plotter pens require much more care than a regular marking pen. Therefore EK-Team designed some helpful tools to keep your EK-team plotter pen in tip top shape.

#### 1 Recovery and Storage Stand

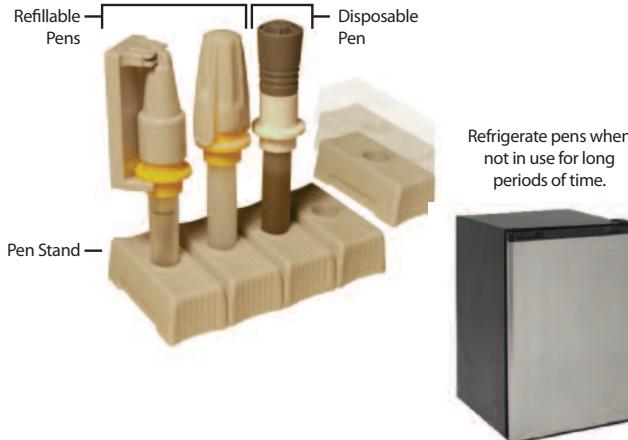
This stand is designed to keep the plotter pen in an upright position, when not used with the marking system.

The upright position allows the plotter pen to recover and to be properly stored. It is recommended to store plotter pens that will be idle for a few hours in a dry and cool location, preferably in the refrigerator.

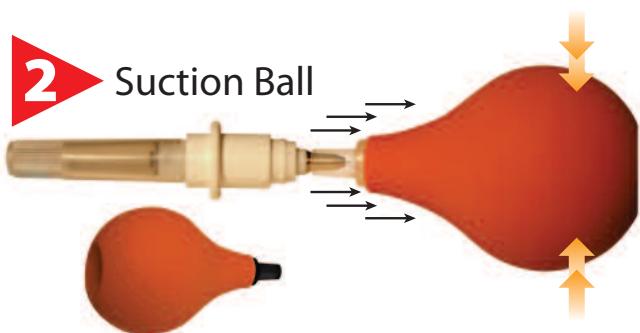
The recovery and storage stand accommodates easy storage and handling.

Call Altech for your free recovery and storage stand.

Cat. No. 35000100



#### 2 Suction Ball



The "suction ball" is a helpful tool to bring a slightly clogged disposable or refillable plotter pen back to life.

The suction can unclog a slightly clogged plotter pen from the vacuum created within the "ball".

This additional tool can be very helpful in addition to the already available cleaning kit (Cat. No. 35100010) for the refillable plotter pens.

5 replacement tips are included with each suction ball.

Cat. No. 35100013

#### 3 Pen Cleaning

##### CLEANING UNIT

It is an easy-to-use cleaning unit developed specially for refillable pens. The cleaning unit enables the pens to be rinsed thoroughly while preventing skin contact with cleaning fluid or ink. The cleaning unit can be used for up to ten cleaning cycles. The necessary precautions must be taken when disposing of cleaning fluid, the cleaning unit can be reused.

##### PEN CLEANER

This cleaning solution comes in easy to handle cartridges and is used in conjunction with the cleaning unit. A standard pack consists of two pen cleaner cartridges. Cleaning can be performed on standard refillable pens only.

Cleaning Set Cat. No. 35100010



| Description   | Part No. |
|---|----------|
| <b>Altech</b>   |          |
| Altech MT 2n - MT 4n, MT 7.5, MT 20, MT 25              | 34902081 |
| Altech MT 5 - MT 15                                     | 34902001 |
| Altech Group marker G1, G2, G4                          | 34902080 |
| <b>ABB / Entrelec</b>                                   |          |
| ABB Entrelec universal - RC/RCT quarter size            | 34902063 |
| ABB Entrelec RC 510A, 610A, 810A                        | 34902114 |
| ABB Entrelec RC 510B, 610B, 810B"                       | 34902102 |
| ABB Entrelec RB-RBP 5-12                                | 34902086 |
| ABB Entrelec BA 5-50                                    | 34902100 |
| ABB Entrelec PIB  | 34902101 |
| ABB Entrelec RCCV                                       | 34902038 |
| ABB Entrelec BS / ILS / ILS-H                           | 34902106 |
| Set of sticky pads ( 8 pcs) for RC/RCT                  | 34910000 |
| <b>Allen Bradley / Woertz</b>                           |          |
| Allen Bradley Universal W4 SERIES OLD AB WORTZ & S.S.   | 34902046 |
| Weidmüller / Rockwell (Allen Bradley)                   |          |
| Weidmüller MultiCard Universal (M5X8)                   | 34902045 |
| Weidmüller MultiCard SF4-6                              | 34902044 |
| Set of sticky pads (6 pcs) for Multicard Universal      | 34910001 |
| <b>Conta Clip</b>                                       |          |
| SB5, SB6 BSTR10.12                                      | 34902002 |
| SB8/10  | 34902003 |
| <b>Phoenix</b>  |          |
| Phoenix Contact ZBM                                     | 34902039 |
| Phoenix Contact ZB                                      | 34902047 |
| Phoenix Contact ZBFM                                    | 34902049 |
| Phoenix Contact ZBF, ZBN                                | 34900050 |
| Phoenix Contact BNZ                                     | 34902051 |
| Phoenix Contact BN-ZB                                   | 34902052 |
| Phoenix Contact SS-ZB                                   | 34902053 |
| Phoenix Contact LBHZ                                    | 34902054 |
| Phoenix Contact PAB                                     | 34902055 |
| Phoenix Contact GPE                                     | 34902071 |
| Phoenix Contact GPE                                     | 34902106 |
| <b>Wago</b>   |          |
| WAGO WMB 4/4,2/5  | 34902041 |
| WAGO WSB 4  | 34902074 |
| WAGO WSB 5/5,2  | 34902075 |
| WAGO WSB mini   | 34902076 |
| WAGO Group marker carrier                               | 34902078 |
| WAGO Marking Strip                                      | 34902087 |
| WAGO Marker tags  | 34902094 |
| WAGO WTB  | 34902096 |
| WAGO WCB  | 34902097 |
| WAGO WMB inline   | 34902098 |
| WAGO 210-345  | 34902106 |
| Set of sticky pads (12 pcs) for Top Job (Marking Strip) | 34910002 |
| <b>Weidmüller / Rockwell (Allen Bradley)</b>            |          |
| Weidmüller MultiCard Universal                          | 34902045 |
| Weidmüller MultiCard SF4-6                              | 34902044 |
| Set of sticky pads (6 pcs) for Multicard Universal      | 34910001 |
| <b>Wieland</b>  |          |
| Wieland Universal                                       | 34902043 |
| Wieland BZ/WKF 1,5 04.243.2053.0                        | 34902047 |
| Wieland BZ/WKF 1,5/10 Z4.243.2053.0                     | 34902049 |
| Wieland Steierform 6 x 15, 10 x 20                      | 34902106 |

## VE500 and CMPS 500 Engraving Fixtures

### EK-TEAM

|   |          |
|---|----------|
| Universal engraving and plot support plate half size (A4)   | 34902106 |
| Universal engraving and plot support plate full size (A3)   | 34902107 |
| Universal engraving and plot support plate 30x100 ninefold  | 34902115 |
| Universal engraving and plot support plate 60x100 fourfold  | 34902116 |
| Universal engraving and plot support plate 90x100 threefold | 34902117 |

**CUSTOM FIXTURES AND OTHER MANUFACTURERS ARE AVAILABLE**  
Contact Altech for Pricing (not in Price Book)

# PCB Mounting Tracks

Mount standard or custom printed circuit boards in Mounting Tracks which can be conveniently DIN rail or panel mounted in your control panel or cabinet. These are the same tracks used for Altech interface modules. We now make them available to you to house and protect your custom boards, etc. Tracks are easily cut to size or can be ordered precut to specific lengths. They are easily assembled from standard components and snap onto 35mm DIN rail or can be panel mounted.

Each track has two sets of printed circuit board guides to accept two alternate board widths.

End Sections hold printed circuit boards securely in place and keep out foreign objects.

## MOUNTING

When mounting extrusions on DIN rail, order two or more DIN Rail mounting feet. These feet slide into grooves on the extrusion. Then attach two DIN Rail Mount End Sections with help of EPS screws.

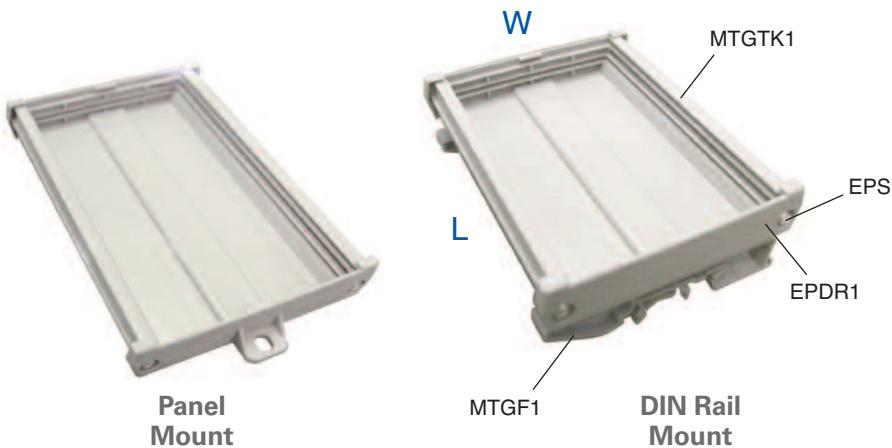
To panel mount, order two Panel Mount End Sections (and EPS screws), each with an integral mounting flange with a 6 x 8mm (.24 x .32 in.) hole slot.

If desired, tracks can be direct mounted using double sided tape. Order two DIN rail mount end sections (and EPS screws).

- Standard Lengths: 1m (3'-3") or 2m (6'-6")
- Track Material: PVC
- Temperature Limit:
  - Short Term - 80°C (176°F)
  - Continuous - 70°C (158°F)
- End Section, Foot Material: Polyamide
- Preassembled, Precut Lengths Available
- Tracks Accept Standard MT2 Marking Tags

## Narrow Mounting Track Extrusion and Components

For PC Board Widths 73mm (2.9 in.)



### Mounting Track

|                 |            |   |
|-----------------|------------|---|
| 1 meter, grey   | MTGK1/1M   | 5 |
| 2 meter, grey   | MTGK1      | 5 |
| 1 meter, green* | MTGK1/1M/G | 5 |
| 2 meter, green* | MTGK1/G    | 5 |

### Accessories

|   |         |     |
|---|---------|-----|
| DIN Rail Mount End Section, grey  | EPDR1   | 100 |
| DIN Rail Mount End Section, green*  | EPDR1/G | 100 |
| DIN Rail Mounting Foot, grey  | MTGF1   | 100 |
| DIN Rail Mounting Foot, green*  | MTGF1/G | 100 |
| Panel Mount End Section, grey   | EPDP1   | 100 |
| Panel Mount End Section, green*   | EPDP1/G | 100 |
| DIN Rail / Panel Mount End Section<br>Screws #4x1/2", Phillips Pan head<br>(2 required per end section) | EPS     | 200 |
| Marking Tags  | MT2     | 100 |
| DIN Rail Mounting Kit<br>(2x EPDR, 2x MTGF, 4x EPS)   | 1.100   | 1   |

## Sizing Information

| Printed Circuit Board Width |                            | Mounting Track Extrusion<br>"Cut-to-Size" Formula                  |
|-----------------------------|----------------------------|--|
| Track Type                  | High Guide (HG)            | Extrusion Length = Printed Circuit Board Length - 4.5mm (.175 in.) |
| MTGK1                       | 73 ± 1mm (2.9 ± 0.05 in.)  |  |
| MTGK2                       | 110 ± 1mm (4.3 ± 0.05 in.) |  |

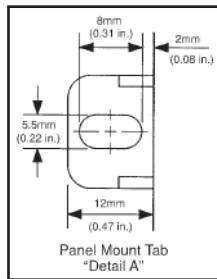
\* Green color available on request.  
Contact Altech for more information.

### Wide Mounting Track Extrusion and Components

For PC Board Widths 110mm (4.9 in.)

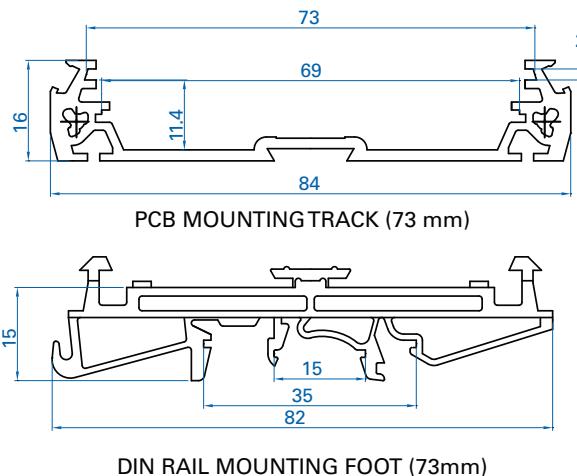


| Cat. No.   | Std. Pk. |
|------------|----------|
| MTGK2/1M   | 5        |
| MTGK2      | 5        |
| MTGK2/1M/G | 5        |
| MTGK2/G    | 5        |
| EPDR2      | 100      |
| EPDR2/G    | 100      |
| MTGF2      | 100      |
| MTGF2/G    | 100      |
| EPDP2      | 100      |
| EPDP2/G    | 100      |
| EPS        | 200      |
| MT2        | 100      |

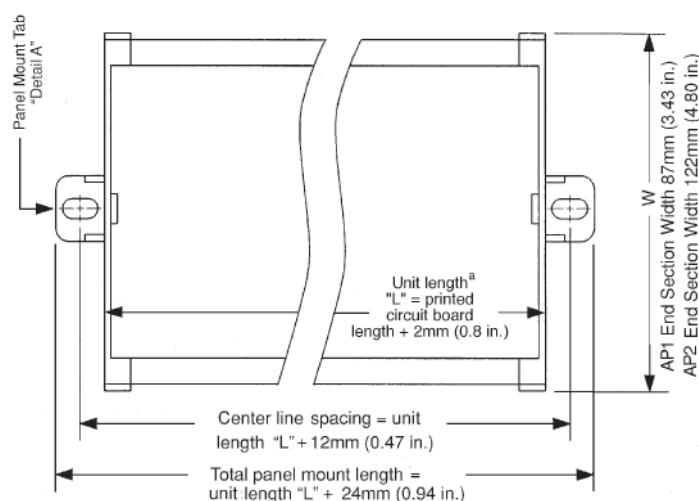
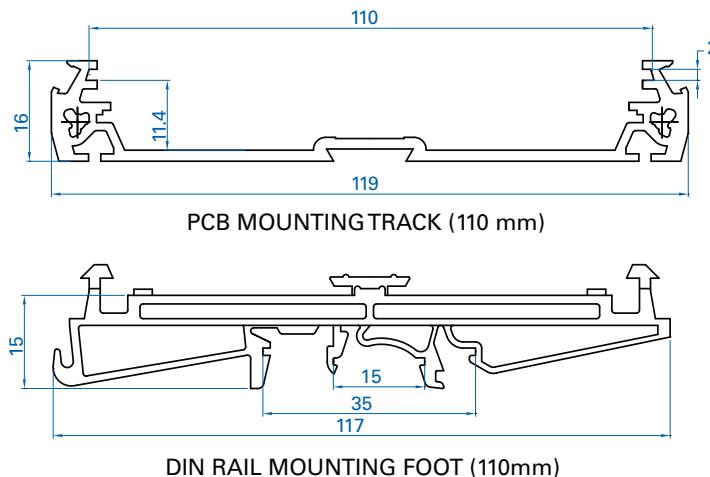


<sup>a</sup>Also applies for DIN Rail Mount Unit

### Narrow Mounting Track



### Wide Mounting Track



# Receptacles

## Features:

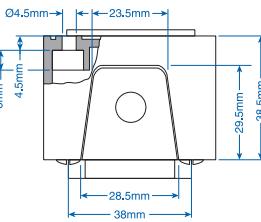
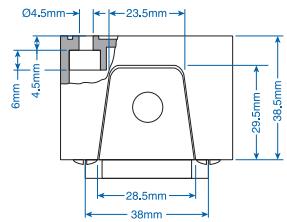
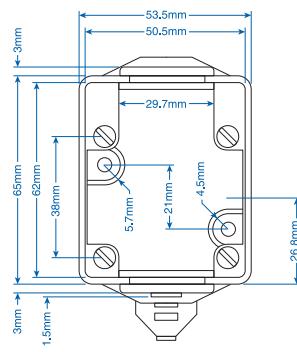
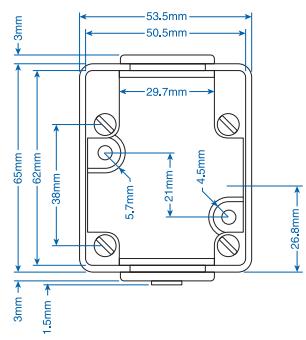
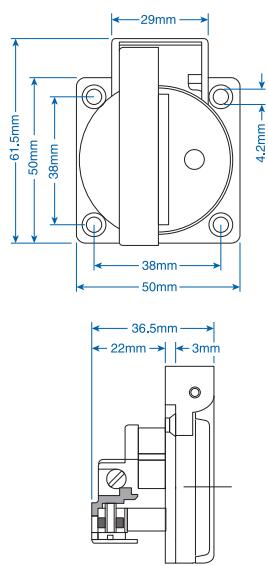
- DIN Rail, Panel Mount or Wall Mount
- Rating: 15A/125V AC
- Finger Protection: IP54
- Available in 3 colors.

|                               | PANEL MOUNT   | WALL MOUNT  | DIN RAIL MOUNT  |
|-------------------------------|---|---|---|
| External Dimension (HxWxL mm) | 36.5 x 61.5 x 50  | 50 x 71 x 53.5  | 58.5 x 84 x 53.5  |
| Stripping Length              | 10 mm   | 10 mm   | 10 mm   |
| Insulation Material           | Thermoplastic   | Thermoplastic   | Thermoplastic   |
| Type of Connection            | 3 screw clamps  | 3 screw clamps  | 3 screw clamps  |
| Approvals*                    | c  us<br>E154664 | c  us<br>E154664 | c  us<br>E154664 |
| Voltage Rating                | 125 V   | 125 V   | 125 V   |
| Current Rating                | 15 A  | 15 A  | 15 A  |

|  | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |
|--|----------|----------|----------|----------|----------|----------|
|--|----------|----------|----------|----------|----------|----------|

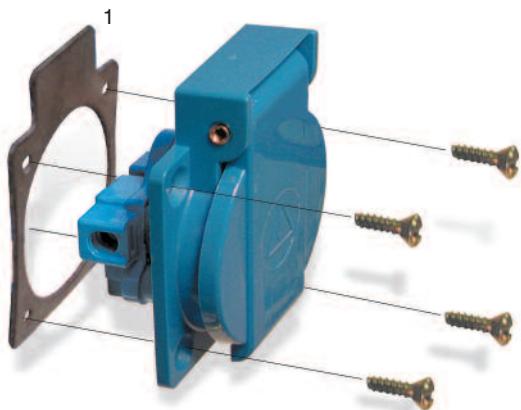
## Complete Kit:

|                                   |       |   |       |   |       |            |
|-----------------------------------|-------|---|-------|---|-------|------------|
| Blue                              | PMRBU | 1 | WMRBU | 1 | DMRBU | 1          |
| Gray                              | PMRGR | 1 | WMRGR | 1 | DMRGR | 1          |
| Black                             | PMRBA | 1 | WMRBA | 1 | DMRBA | 1          |
| Optional Accessory Sealing Gasket |       |   |       |   |       | SEALGASK 1 |

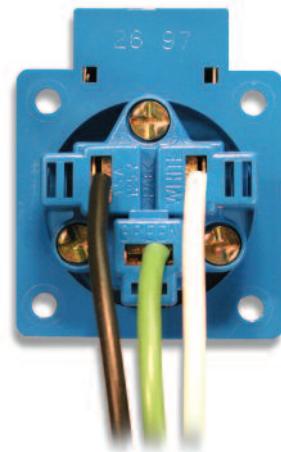


<sup>a</sup>Also applies for DIN Rail Mount Unit

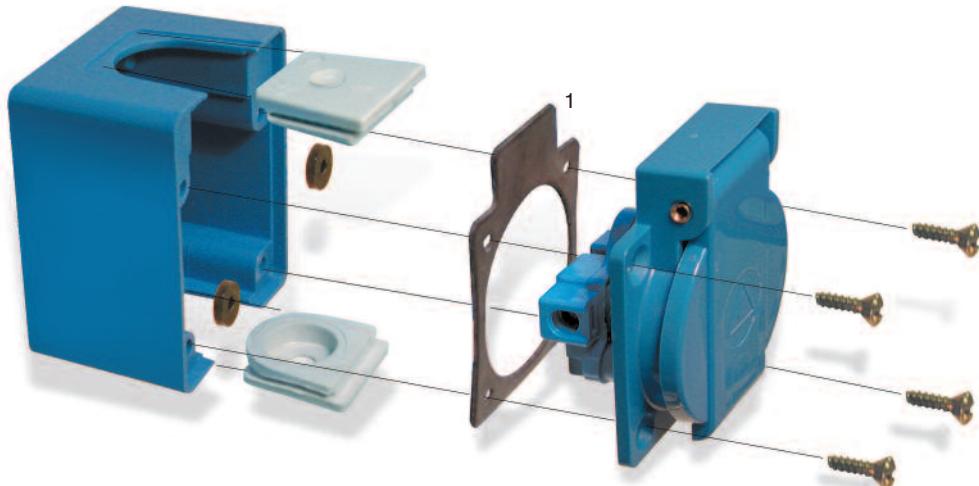
## PANEL MOUNT



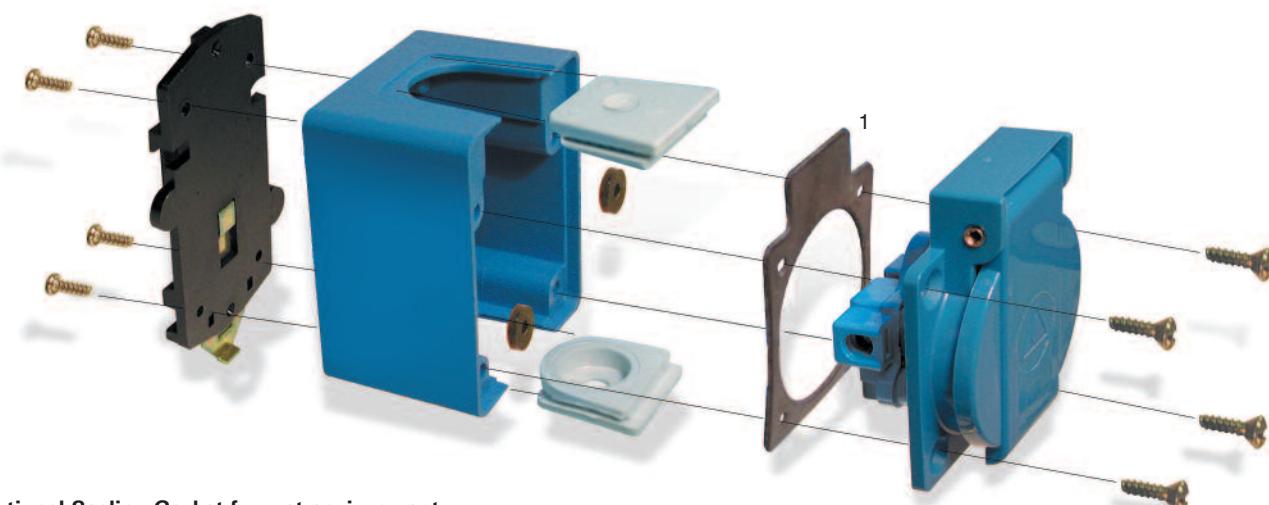
## Wiring of Receptacles



## WALL MOUNT



## DIN RAIL MOUNT



<sup>1</sup> Optional Sealing Gasket for wet environments.