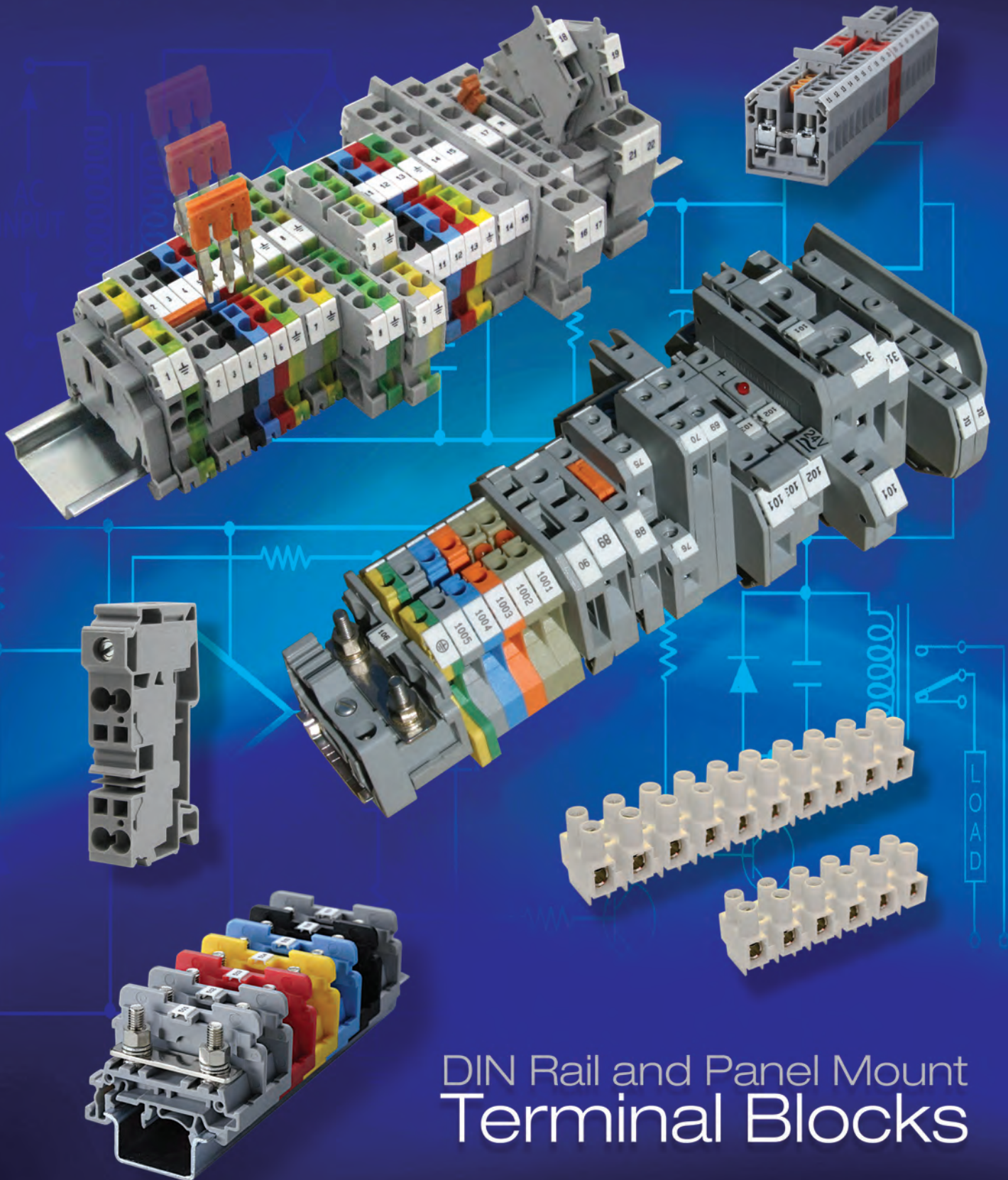


# Altech Corp.®

Serving the Automation & Control Industry since 1984



ISO 9001  
QMI-SAI Global



DIN Rail and Panel Mount  
Terminal Blocks



# Altech Corp.®

Since 1984, Altech Corporation has grown to become a leading supplier of automation and industrial control components. Headquartered in Flemington, NJ, Altech has an experienced staff of engineering, manufacturing and sales personnel to provide the highest quality products with superior service. This is the Altech Commitment!

With experienced Product Engineers and Customer Service personnel, Altech provides solutions to your most pressing application challenges. All with one thought in mind - to ensure that we solve your problem the first time!

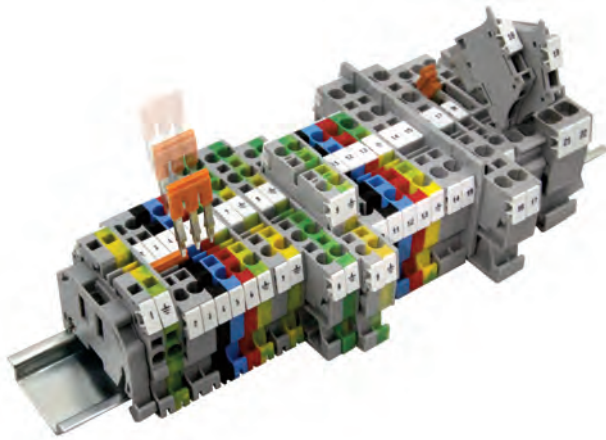


## Altech's Commitment

*Altech's Automation and Control components meet applicable national and international standards, such as UL, NEC, CSA, IEC and VDE. Altech provides these products with superior customer service and delivery through a ISO 9001 Quality Management system, which stresses continuous process improvement. We perform these services with honesty and integrity. All Altech employees are trained in this Quality Management System and are dedicated to achieve these goals. Altech's quality system has been ISO approved since 1999.*







**Screw Clamp Terminal Blocks**

**Introduction** .....4  
**Selection Guide** .....5  
**Feed Through Terminal Blocks**  
 • Single Level.....6-8  
 • Multi Connection.....9  
 • Double Level .....10-13  
 • Triple Level.....14-15  
 • Ground/ Earth.....16-17

**Fuse Terminal Blocks**

• 5x20mm/ 5x25mm Fuse.....18-19  
 • Double Level Fuse Terminal.....20-21  
 • 6.35x25.4mm (¼" x 1") Fuse .....22  
 • Component Carrier .....23  
 • Fuse Holder.....24-25

**Disconnect & Test Terminal Blocks**

• Slider Style .....26-27, 30  
 • Blade Style .....28-29  
 • Lever Style .....31

**Power Distribution Terminal Blocks**

• Multi I/O.....32-34  
 • Hybrid Spring/ Screw.....35  
 • Distribution / Grounding System.....36

**Special Application Terminal Blocks**

• 1000V High Voltage.....37  
 • Thermocouple .....38  
 • Tab Connection .....39  
 • Spring Loaded.....40-41  
 • Electronic Components .....42-47

**Accessories Screw Terminal Blocks** .....48-49



**Stud/ Ring Lug Terminal Blocks**

**Introduction** .....50  
**Selection Guide** .....51  
 • Ring Lug Barrier Terminal Blocks .....52-53  
 • Ring Lug Stud Terminal Blocks .....54-55  
 • Ring Lug Hinge Terminal Blocks .....56-57  
 • Ring Lug Power Terminal Blocks.....58-59  
 • High Current Power Terminal Blocks.....60  
 • Accessories Stud/ Ring Lug Terminal Blocks ...61



**Spring Clamp Terminal Blocks**

**Introduction** .....62  
**Selection Guide** .....63  
**CX Series**  
 • Single Level Feed Through .....64-65  
 • Multi Connection .....65-67  
 • Ground/ Earth.....68-70  
 • Double Level .....71  
 • Electronic Component.....72-73  
 • 5x20mm/ 5x25mm Fuse .....74  
 • Component Carrier.....75  
 • Disconnect.....76  
 • Side Entry .....77  
 • Pluggable .....78  
 • Hybrid Distribution .....79

**Angular Terminal Blocks**

• Feed-Through.....80  
 • Multi-Connection .....81  
 • Multi-Level.....82-83  
 • Ground/ Earth.....84-85

**Accessories Spring Terminal Blocks** .....86-87

**Mini/ Panel Mount Terminal Blocks**

**Introduction/ Selection Guide** .....88  
**Screw Clamp Terminal Blocks**  
 • 15mm Mini Rail.....89  
 • Panel Mount .....90

**Spring Clamp Terminal Blocks**

• 15mm Mini Rail.....91  
 • Panel/ DIN Rail Mount.....92  
 • Micro Panel Mount .....93

**High Temperature Ceramic** .....94

**Terminal Strips – Eurostrip® Style**

**Introduction/ Selection Guide** .....95  
 • 300V Flat Base, Feed Through .....96-97  
 • 600V Standoff Feet, Feed Through.....98-99  
 • Pluggable .....100-101  
 • Middle Barrier, Feed Through .....102-103  
 • Accessories Terminal Strips .....104-105

**Mounting & Marking – Accessories**

• DIN Rail.....106-107  
 • Support Brackets/ Mounting Clips .....108  
 • End Stops.....109  
 • Group Identification Markers.....110  
 • Marking Tags/ Warning Labels.....111  
 • Plotter & Marking System .....112-113

**Ferrules**

**Introduction** .....114-115  
 • UL Ferrules .....116-117  
 • Crimping Tools (UL Ferrules).....118-120  
 • DIN Standard Ferrules .....120-124  
 • Crimping Tools (DIN Ferrules).....125-127

**INDEX**.....128-133  
**TERMS & CONDITIONS** .....134

# OVERVIEW

## SCREW TERMINAL BLOCKS

## INTRODUCTION

### SCREW CLAMP CONNECTION TECHNOLOGY

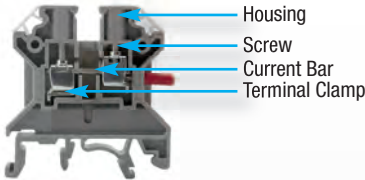


- Maximum wiring efficiency and reliability
- Supplied with open clamps ready to accept wires
- No wire preparation necessary (with/ without ferrule)
- Vibration resistant/ Gas-tight connection
- For very larger wire sizes (up to 250 kcmil)
- Designed for most stringent requirements
- Simple connection with standard flat head screwdriver



60947-7-1

### MATERIAL SPECIFICATIONS



#### Current Carrying Metal *Corrosion free material*

- Clamp: zinc chromate passivated steel
- Screw: zinc chromate passivated steel
- Current Bar: nickel plated copper alloy / tin plated copper

#### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

#### Polyamide 66 Specifications

Upper Temperature Limit: 105°C

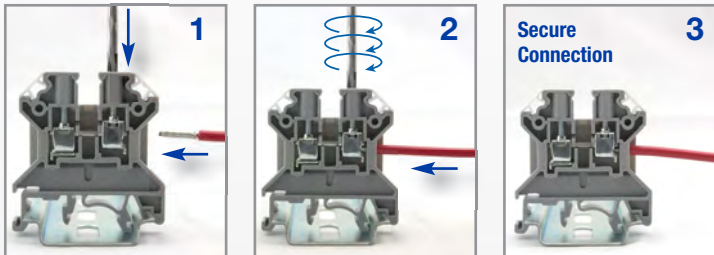
Lower Temperature Limit: -50°C

Flammability UL94: V2/V0

Volume Resistivity:  $10^{12} \Omega \text{ cm}$

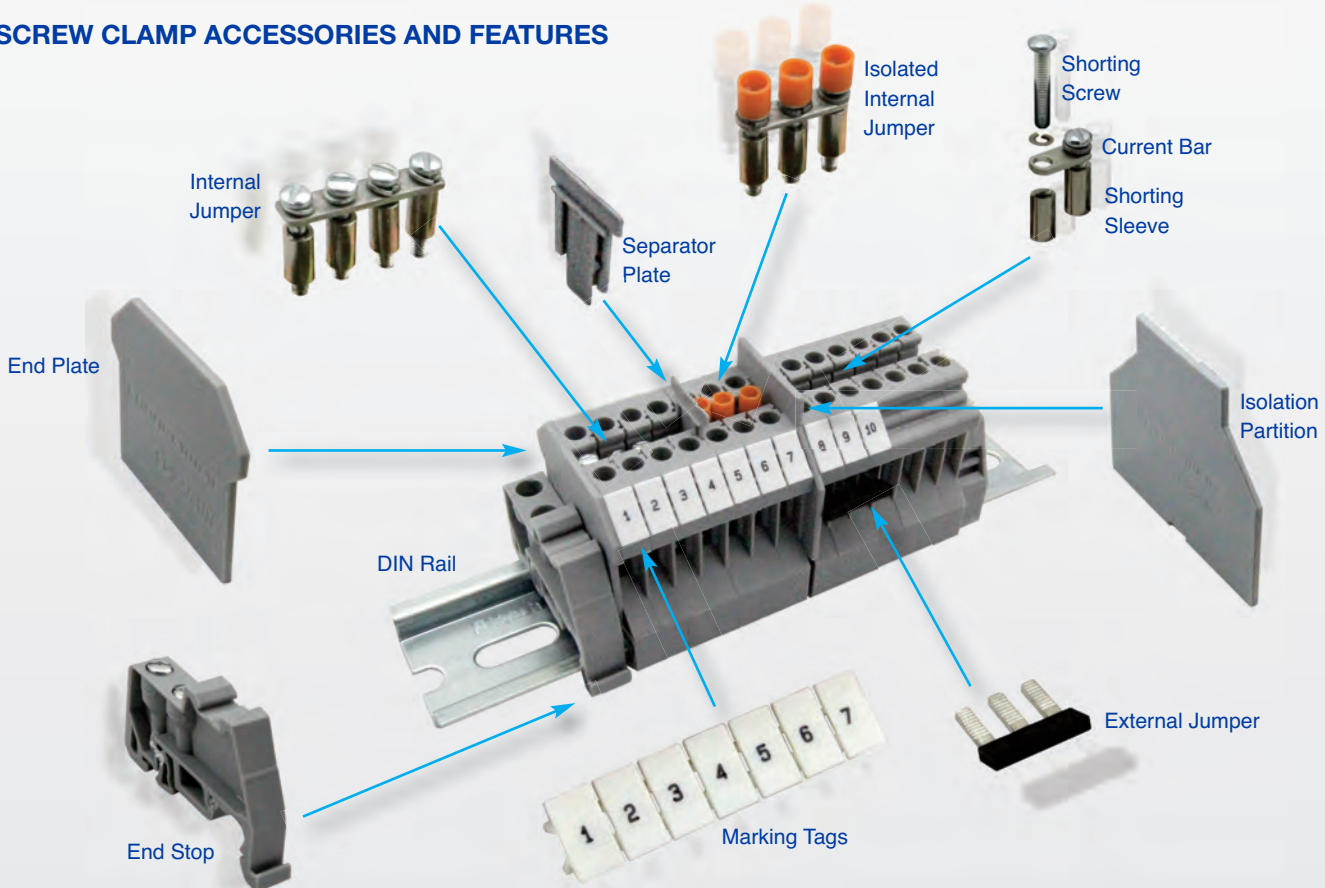
Surface Resistivity:  $10^{10} \Omega$

### INSTALLATION GUIDELINES



- 1 Insert Wire into open clamp
- 2 Tighten screw to specified torque
- 3 Remove Screwdriver, screw terminal is closed with locking feature for a reliable/ safe connection

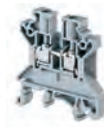
### SCREW CLAMP ACCESSORIES AND FEATURES





**Feed Through Terminal Blocks**

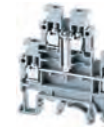
- Up to 240A
- Multi-Connection Terminals
- Double Level Terminal
- Triple Level Terminals
- Ground Blocks
- Wide range of accessories
- All standard colors



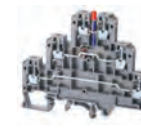
**Feed Through**  
page 6-8



**Multi-Connection**  
page 9



**Double Level**  
page 10-12



**Triple Level**  
page 14-15



**Ground / Earth**  
page 16-17

**Fuse Terminal Blocks**

- 1/4" x 1" Fuse Terminal Blocks
- 5x20mm/ 5x25mm Fuse Terminal Blocks
- Double level versions
- Component Carrier for flexible requirements
- 10x38, CC, J-Type Fuse Holder



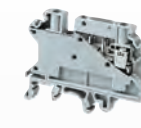
**5x20mm / 5x25mm  
CF4U / CF4SP**  
page 18-19



**Double Lever  
DDFL4U**  
page 20-21



**1/4"x1"  
CAFL4U**  
page 22



**Component Carrier  
CCC4U**  
page 23



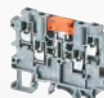
**Fuse Holder**  
page 24-25

**Disconnect & Test Terminal Blocks**

- Slider Style
- Blade/ Knife Style
- Lever Style
- Accessories and matching Feed Through terminals



**Slider Style  
CDS6U**  
page 26-27



**Blade Style  
CKT4U**  
page 28



**Blade Style  
CKT4SP**  
page 29



**Slider Style  
CDDTU**  
page 30



**Lever Style  
CSDL4U**  
page 31

**Power Distribution Terminal Blocks**

- Various I/O configurations
- Up to 150A
- Compact Hybrid Distribution Block



**CDB Series**  
page 32-33



**CMDB Series**  
page 34



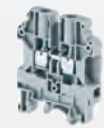
**Hybrid CXDB Series**  
page 35



**Distribution/Grounding**  
page 36

**Special Application Terminal Blocks**

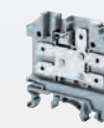
- Spring Loaded Terminals for high vibration applications
- 1000V High Voltage Terminals
- Thermocouple Terminals
- Tab Connection Terminals
- Electronic Components Terminals



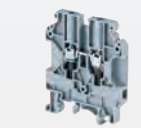
**1000V High Voltage  
CHV Series**  
page 37



**Thermocouple  
CTT2.5U Series**  
page 38



**Tab Connection  
CTC Series**  
page 39



**Spring Loaded  
USC Series**  
page 36-37



**Electronic  
Components**  
page 42-47

**Accessories**

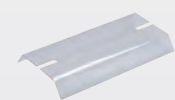
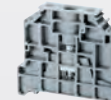
- Internal Jumpers (Uninsulated, Insulated)
- Endplates
- Partition/ Separator Plates
- Protective Covers
- End Stops



**Jumpers**  
page 48



**Endplates, Separators, End Stops, Covers, etc.**  
page 49





## HIGHLIGHTS

### FEATURES

- Altech CTS Series of Universal Screw Terminal Blocks featuring global standards
- Universal mounting foot for easy snap onto common DIN rail profiles
- Screw-type jumper system
- Current Ratings up to 240A

### APPLICATIONS

- Ex & IECEx approvals for use in potentially explosive areas
- Control, Automation applications
- Power Distribution

### CTS2.5U-N



### CTS4U-N



### CTS6U



### Dimensions & Weight

|                    | CTS2.5U-N                 | CTS4U-N            | CTS6U              |
|--------------------|---------------------------|--------------------|--------------------|
| Width              | 5 mm                      | 6 mm               | 8 mm               |
| Length             | 43 mm                     | 43 mm              | 43 mm              |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 46.2 mm<br>53.7 mm | 47.8 mm<br>55.5 mm |
| Weight per piece   | 6.2 g                     | 7.6 g              | 13.5 g             |

### Technical Data/Ratings

| Approvals                    | CTS2.5U-N        |                         | CTS4U-N          |                       | CTS6U            |                       |
|------------------------------|------------------|-------------------------|------------------|-----------------------|------------------|-----------------------|
|                              | UL US<br>E220514 | SP US<br>60947-7-1      | UL US<br>E220514 | SP US<br>60947-7-1    | UL US<br>E220514 | SP US<br>60947-7-1    |
| Wire Size (solid / stranded) | 22-12 AWG        | 0.2-2.5 mm <sup>2</sup> | 22-10 AWG        | 0.2-4 mm <sup>2</sup> | 22-8 AWG         | 0.5-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V            | 1000V AC/DC             | 600 V            | 1000V AC/DC           | 600 V            | 1000V AC/DC           |
| Current Rating               | 25 A             | 24 A                    | 35 A             | 32 A                  | 50 A             | 41 A                  |
| Torque                       | 7 lb-in          | 0.4 Nm                  | 7 lb-in          | 0.5 Nm                | 14 lb-in         | 0.8 Nm                |
| Insulation Material          | Polyamide 66     |                         | Polyamide 66     |                       | Polyamide 66     |                       |

### Installation Instructions

|                       | CTS2.5U-N              | CTS4U-N                | CTS6U                  |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 8 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.5 x 3.0 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4.0 mm |

### Terminal Blocks

|                        | Cat. No.         | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|------------------|----------|----------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>CTS2.5U-N</b> | 100      | <b>CTS4U-N</b> | 100      | <b>CTS6U</b> | 100      |
| Red R                  | CTS2.5U-N/R      | 100      | CTS4U-N/R      | 100      | CTS6U/R      | 100      |
| Blue BU                | CTS2.5U-N/BU     | 100      | CTS4U-N/BU     | 100      | CTS6U/BU     | 100      |
| Black BL               | CTS2.5U-N/BL     | 100      | CTS4U-N/BL     | 100      | CTS6U/BL     | 100      |
| Orange O               | CTS2.5U-N/O      | 100      | CTS4U-N/O      | 100      | CTS6U/O      | 100      |
| Green G                | CTS2.5U-N/G      | 100      | CTS4U-N/G      | 100      | CTS6U/G      | 100      |
| Yellow Y               | CTS2.5U-N/Y      | 100      | CTS4U-N/Y      | 100      | CTS6U/Y      | 100      |
| White W                | CTS2.5U-N/W      | 100      | CTS4U-N/W      | 100      | CTS6U/W      | 100      |



### 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 grip the terminal blocks when pressed against entry.

Cat. No. Terminal Block Std. Pk.

|       |           |   |
|-------|-----------|---|
| MH2.5 | CTS2.5U-N | 1 |
| MH4   | CTS4U-N   | 1 |



### Accessories

|                           | Cat. No.                                          | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                       |                            |
|---------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------------------|----------------------------|
| End Plate                 | EP2.5/4UN                                         | 50                                                     | EP2.5/4UN                        | 50                                                     | EP6/10U                          | 50                                             |                            |
| Partition Plate           | PP2.5/4UN                                         | 50                                                     | PP2.5/4UN                        | 50                                                     | PP6/10U                          | 50                                             |                            |
| Separator Plate           | SP2.5/4UN                                         | 100                                                    | SP2.5/4UN                        | 100                                                    | SP6/10U                          | 100                                            |                            |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                 |                            |
| End Stop                  | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                 |                            |
| Internal Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA721/2<br>CA721/3<br>CA721/4<br>CA721/10<br>CA721/100 | 100<br>100<br>100<br>10<br>10    | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>50<br>10<br>10     | CA723/2<br>CA723/3<br>CA723/4<br>CA723/10<br>- | 100<br>50<br>50<br>10<br>- |
| Insulated Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA741/2<br>CA741/3<br>CA741/4<br>CA741/10<br>CA741/100 | 100<br>100<br>100<br>10<br>10    | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 | 100<br>100<br>100<br>10<br>10    | CA743/2<br>CA743/3<br>CA743/4<br>CA743/10<br>- | 100<br>50<br>50<br>10<br>- |
| External Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA717/2<br>CA717/3<br>CA717/4<br>CA717/10              | 100<br>100<br>100<br>20          | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              | 100<br>100<br>100<br>20          | CA710/2<br>CA710/3<br>CA710/4<br>CA710/10      | 100<br>50<br>50<br>20      |
| Test Socket               | CA707/TS/01                                       | 100                                                    | CA707/TS/01                      | 100                                                    | CA707/TS/05                      | 100                                            |                            |
| Marking Tag               | MT5                                               | 1 Pk. (100 tags)                                       | MT6                              | 1 Pk. (100 tags)                                       | MT8                              | 1 Pk. (100 tags)                               |                            |



**CTS10U**



**CTS16U**



**CTS25UN**



**CTS35UN**



**Dimensions & Weight**

|                   |                           |                    |                    |                    |
|-------------------|---------------------------|--------------------|--------------------|--------------------|
| Width             | <b>10 mm</b>              | <b>12 mm</b>       | <b>12 mm</b>       | <b>16 mm</b>       |
| Length            | 43 mm                     | 43 mm              | 49 mm              | 50.5 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 47.8 mm<br>55.5 mm | 47.8 mm<br>55.5 mm | 57.2 mm<br>64.7 mm |
| Weight per piece  | 16.5 g                    | 25.5 g             | 35.5 g             | 50.5 g             |

**Technical Data/Ratings**

|                              |                 |          |                        |                 |          |                        |                 |                      |                   |                      |
|------------------------------|-----------------|----------|------------------------|-----------------|----------|------------------------|-----------------|----------------------|-------------------|----------------------|
| Approvals                    |                 |          |                        |                 |          |                        |                 |                      |                   |                      |
| Wire Size (solid / stranded) | <b>16-6 AWG</b> | 22-6 AWG | 0.5-10 mm <sup>2</sup> | <b>20-4 AWG</b> | 22-6 AWG | 0.2-16 mm <sup>2</sup> | <b>14-2 AWG</b> | 4-25 mm <sup>2</sup> | <b>12-1/0 AWG</b> | 4-35 mm <sup>2</sup> |
| Voltage Rating               | 600 V           | 600 V    | 1000V AC/DC            | 600 V           | 600 V    | 1000V AC/DC            | 600 V           | 1000V AC/DC          | 600 V             | 1000V AC/DC          |
| Current Rating               | 65 A            | 65 A     | 57 A                   | 85 A            | 70 A     | 76 A                   | 105 A           | 101 A                | 150 A             | 125 A                |
| Torque                       | 14 lb-in        | 14 lb-in | 1.2 Nm                 | 14 lb-in        | 14 lb-in | 1.2 Nm                 | 30 lb-in        | 2.0 Nm               | 50 lb-in          | 2.5 Nm               |
| Insulation Material          | Polyamide 66    |          |                        | Polyamide 66    |          |                        | Polyamide 66    |                      | Polyamide 66      |                      |

**Installation Instructions**

|                       |                        |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | <b>11 mm</b>           | <b>12 mm</b>           | <b>14 mm</b>           | <b>15 mm</b>           |
| Screwdriver           | Flat Head 0.8 x 4.0 mm | Flat Head 1.0 x 5.5 mm | Flat Head 1.0 x 5.5 mm | Flat Head 1.0 x 5.5 mm |

**Terminal Blocks**

|                        | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|---------------|----------|---------------|----------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CTS10U</b> | 100      | <b>CTS16U</b> | 50       | <b>CTS25UN</b> | 50       | <b>CTS35UN</b> | 50       |
| Red R                  | CTS10U/R      | 100      | CTS16U/R      | 50       | CTS25UN/R      | 50       | CTS35UN/R      | 50       |
| Blue BU                | CTS10U/BU     | 100      | CTS16U/BU     | 50       | CTS25UN/BU     | 50       | CTS35UN/BU     | 50       |
| Black BL               | CTS10U/BL     | 100      | CTS16U/BL     | 50       | CTS25UN/BL     | 50       | CTS35UN/BL     | 50       |
| Orange O               | CTS10U/O      | 100      | CTS16U/O      | 50       | CTS25UN/O      | 50       | CTS35UN/O      | 50       |
| Green G                | CTS10U/G      | 100      | CTS16U/G      | 50       | CTS25UN/G      | 50       | CTS35UN/G      | 50       |
| Yellow Y               | CTS10U/Y      | 100      | CTS16U/Y      | 50       | CTS25UN/Y      | 50       | CTS35UN/Y      | 50       |
| White W                | CTS10U/W      | 100      | CTS16U/W      | 50       | CTS25UN/W      | 50       | CTS35UN/W      | 50       |

**Accessories**

|                           | Cat. No.                                          | Std. Pk.                                       | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                       |                           |
|---------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------------------|---------------------------|
| End Plate                 | EP6/10U                                           | 50                                             | -                                | -                                                      | -                                | -                                                      | -                                | -                                              |                           |
| Partition Plate           | PP6/10U                                           | 50                                             | -                                | -                                                      | PP25UN                           | 50                                                     | PP35UN                           | 50                                             |                           |
| Separator Plate           | SP6/10U                                           | 100                                            | SP6/10U                          | 100                                                    | -                                | -                                                      | -                                | -                                              |                           |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                 | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                 |                           |
| End Stop                  | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                                 | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                 |                           |
| Internal Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA724/2<br>CA724/3<br>CA724/4<br>CA724/10<br>- | 100<br>50<br>50<br>10<br>-       | CA751/2<br>CA751/3<br>CA751/4<br>CA751/10<br>CA751/100 | 50<br>50<br>50<br>10<br>10       | CA725/2<br>CA725/3<br>CA725/4<br>CA725/10<br>CA725/100 | 50<br>20<br>20<br>10<br>10       | CA771/2<br>CA771/3<br>CA771/4<br>CA771/10<br>- | 50<br>20<br>20<br>10<br>- |
| Insulated Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA744/2<br>CA744/3<br>CA744/4<br>CA744/10<br>- | 100<br>50<br>50<br>10<br>-       | CA761/2<br>CA761/3<br>CA761/4<br>CA761/10<br>CA761/100 | 100<br>50<br>50<br>10<br>10      | CA745/2<br>CA745/3<br>CA745/4<br>CA745/10<br>CA745/100 | 50<br>20<br>20<br>10<br>10       | CA781/2<br>CA781/3<br>CA781/4<br>CA781/10<br>- | 50<br>20<br>20<br>10<br>- |
| External Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA718/2<br>CA718/3<br>CA718/4<br>CA718/10      | 100<br>50<br>50<br>20            | -<br>-<br>-<br>-                                       | -<br>-<br>-<br>-                 | -<br>-<br>-<br>-                                       | -<br>-<br>-<br>-                 | -<br>-<br>-<br>-                               |                           |
| Test Socket               | CA707/TS/05                                       | 100                                            | CA707/TS/05                      | 100                                                    | CA707/TS/06                      | 100                                                    | CA707/TS/06                      | 100                                            |                           |
| Marking Tag               | MT10                                              | 1 Pk. (100 tags)                               | MT12                             | 1 Pk. (100 tags)                                       | MT12                             | 1 Pk. (100 tags)                                       | MT16                             | 1 Pk. (100 tags)                               |                           |



# FEED-THROUGH

## SCREW TERMINAL BLOCKS

## SINGLE LEVEL POWER TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- DIN Rail and Panel mountable
- Voltage Rating 1000V
- Current Rating up to 240A
- Hex Screw version for easier tightening (NA)
- Auxiliary block for easy plug in

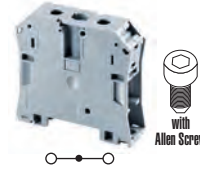
#### APPLICATIONS

- Power Distribution
- Solar Applications
- **AUX6** auxiliary for indicator light or contactor

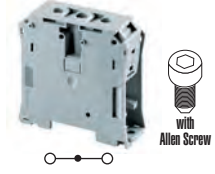
### CTS50/70N



### CTS50/70NA



### CTS95/120N



#### Dimensions & Weight

|                   | CTS50/70N                 | CTS50/70NA         | CTS95/120N         |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 20.5 mm                   | 20.5 mm            | 27.0 mm            |
| Length            | 77.3 mm                   | 77.3 mm            | 84.5 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 71.1 mm<br>78.1 mm | 83.0 mm<br>90.5 mm |
| Weight per piece  | 93.8 g                    | 95.0 g             | 177.2 g            |

#### Technical Data/Ratings

| Approvals                    |                                   |  |                                   |  |                                      |  |
|------------------------------|-----------------------------------|--|-----------------------------------|--|--------------------------------------|--|
| Wire Size (solid / stranded) | 8-2/0 AWG / 10-70 mm <sup>2</sup> |  | 8-2/0 AWG / 10-70 mm <sup>2</sup> |  | 2-250 KCMIL / 25-120 mm <sup>2</sup> |  |
| Voltage Rating               | 1000 V / 1000 V AC/DC             |  | 1000 V / 1000 V AC/DC             |  | 1000 V / 1000 V AC/DC                |  |
| Current Rating               | 175 A / 192 A                     |  | 175 A / 192 A                     |  | 240 A / 269 A                        |  |
| Torque                       | 38 lb-in / 3.0 Nm                 |  | 38 lb-in / 3.0 Nm                 |  | 90 lb-in / 6.0 Nm                    |  |
| Insulation Material          | Polyamide 66                      |  |                                   |  |                                      |  |

#### Installation Instructions

|                       |                      |                   |                   |
|-----------------------|----------------------|-------------------|-------------------|
| Wire Stripping Length | 22 mm                | 22 mm             | 24 mm             |
| Screwdriver           | Flat Head 1.0x7.5 mm | Allen Wrench 5 mm | Allen Wrench 6 mm |

#### Terminal Blocks

|                        | Cat. No.         | Std. Pk. | Cat. No.          | Std. Pk. | Cat. No.          | Std. Pk. |
|------------------------|------------------|----------|-------------------|----------|-------------------|----------|
| <b>Grey (standard)</b> | <b>CTS50/70N</b> | 20       | <b>CTS50/70NA</b> | 20       | <b>CTS95/120N</b> | 10       |
| Red R                  | CTS50/70N/R      | 20       | CTS50/70NA/R      | 20       | CTS95/120N/R      | 10       |
| Blue BU                | CTS50/70N/BU     | 20       | CTS50/70NA/BU     | 20       | CTS95/120N/BU     | 10       |
| Black BL               | CTS50/70N/BL     | 20       | CTS50/70NA/BL     | 20       | CTS95/120N/BL     | 10       |
| Orange O               | CTS50/70N/O      | 20       | CTS50/70NA/O      | 20       | CTS95/120N/O      | 10       |
| Green G                | CTS50/70N/G      | 20       | CTS50/70NA/G      | 20       | CTS95/120N/G      | 10       |
| Yellow Y               | CTS50/70N/Y      | 20       | CTS50/70NA/Y      | 20       | CTS95/120N/Y      | 10       |
| White W                | CTS50/70N/W      | 20       | CTS50/70NA/W      | 20       | CTS95/120N/W      | 10       |

#### Accessories

|                      | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|----------------------|------------|------------------|------------|------------------|------------|------------------|
| DIN Rail             | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                      | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                      | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| End Stop             | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                      | CA802      | 50               | CA802      | 50               | CA802      | 50               |
|                      | CA202      | 25               | CA202      | 25               | CA202      | 25               |
| Shorting Link System | CA628/2    | 10               | CA628/2    | 10               | CA629/2    | 10               |
|                      | CA628/3    | 10               | CA628/3    | 10               | CA629/3    | 10               |
| Marking Tag          | MT16       | 1 Pk. (100 tags) | MT16       | 1 Pk. (100 tags) | MT16       | 1 Pk. (100 tags) |

#### Cat. No AUX6

##### Auxiliary Terminal Block

Used for:  
CTS50/70N  
CTS50/70NA  
CTS95/120N

In certain power circuits, there is a need to take an extra connection for an Auxiliary circuit like an indicating light or contactor. The AUX6 terminal easily plugs into the terminal and provides this extra connection point.



##### Ratings

###### IEC60947-7-1

Voltage/Current: 1000 V / 41 A  
Torque: 0.8 Nm

###### IEC 60079-7

Voltage/Current: 630 V / 36 A  
Torque: 0.8 Nm

###### UL-1059

Voltage/Current: 600 V / 50 A  
Torque: 14 lb-in

###### CSA22.2-158

Voltage/Current: 600 V / 50 A  
Torque: 14 lb-in

Wire Range: 22-8 AWG

Width x Length x Height: 8 x 53.6 x 29.4 mm

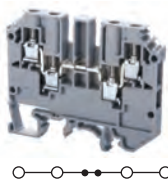
Std. Pk.: 10

Marking Tag: MT8

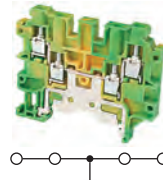
**CMC1-2**



**CMC2-2**



**CMCG4**



**Dimensions & Weight**

|                   |                           |                    |                    |                    |                    |  |
|-------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--|
| Width             | 6 mm                      |                    | 6 mm               |                    | 6 mm               |  |
| Length            | 46.5 mm                   |                    | 65.0 mm            |                    | 65.0 mm            |  |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>56.5 mm | 53.4 mm<br>60.5 mm | 53.7 mm<br>60.9 mm | 53.7 mm<br>60.9 mm |  |
| Weight per piece  | 11.0 g                    |                    | 16.0 g             |                    | 21.6 g             |  |

**Technical Data/Ratings**

|                              |              |                       |              |                       |              |                       |
|------------------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|
| Approvals                    |              |                       |              |                       |              |                       |
| Wire Size (solid / stranded) | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 630 V AC/DC           | 600 V        | 630 V AC/DC           | 600 V        | 1000 V AC/DC          |
| Current Rating               | 35 A         | 32 A                  | 35 A         | 32 A                  | -            | -                     |
| Torque                       | 7 lb-in      | 0.5 Nm                | 7 lb-in      | 0.5 Nm                | 4.5 lb-in    | 0.5 Nm                |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                       | Polyamide 66 |                       |

**Installation Instructions**

|                       |                        |  |                        |  |                        |  |
|-----------------------|------------------------|--|------------------------|--|------------------------|--|
| Wire Stripping Length | 9 mm                   |  | 9 mm                   |  | 9 mm                   |  |
| Screwdriver           | Flat Head 0.6 x 3.5 mm |  | Flat Head 0.6 x 3.5 mm |  | Flat Head 0.6 x 3.5 mm |  |

**Terminal Blocks**

|                        | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|---------------|----------|---------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>CMC1-2</b> | 100      | <b>CMC2-2</b> | 50       | <b>CMCG4</b> | 50       |
| Red R                  | CMC1-2/R      | 100      | CMC2-2/R      | 50       | Yellow/Green |          |
| Blue BU                | CMC1-2/BU     | 100      | CMC2-2/BU     | 50       |              |          |
| Black BL               | CMC1-2/BL     | 100      | CMC2-2/BL     | 50       |              |          |
| Orange O               | CMC1-2/O      | 100      | CMC2-2/O      | 50       |              |          |
| Green G                | CMC1-2/G      | 100      | CMC2-2/G      | 50       |              |          |
| Yellow Y               | CMC1-2/Y      | 100      | CMC2-2/Y      | 50       |              |          |
| White W                | CMC1-2/W      | 100      | CMC2-2/W      | 50       |              |          |

**Accessories**

|                           | Cat. No.                                                                                     | Std. Pk.                      | Cat. No.                                                                                     | Std. Pk.                      | Cat. No.                         | Std. Pk.              |
|---------------------------|----------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-----------------------|
| End Plate                 | EPCMC1-2                                                                                     | 50                            | EPCMC2-2                                                                                     | 50                            | EPCMC2-2                         | 50                    |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160                                                             | 20<br>20<br>10                | 2511120<br>CA701-15/S<br>2511160                                                             | 20<br>20<br>10                | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10        |
| End Stop                  | CA702<br>CA802<br>CA202                                                                      | 50<br>50<br>25                | CA702<br>CA802<br>CA202                                                                      | 50<br>50<br>25                | CA702<br>CA802<br>CA202          | 50<br>50<br>25        |
| Internal Jumper           | 2 pole CA722/2<br>3 pole CA722/3<br>4 pole CA722/4<br>10 pole CA722/10<br>100 pole CA722/100 | 100<br>100<br>50<br>10<br>10  | 2 pole CA722/2<br>3 pole CA722/3<br>4 pole CA722/4<br>10 pole CA722/10<br>100 pole CA722/100 | 100<br>100<br>50<br>10<br>10  | -<br>-<br>-<br>-<br>-            | -<br>-<br>-<br>-<br>- |
| Insulated Internal Jumper | 2 pole CA742/2<br>3 pole CA742/3<br>4 pole CA742/4<br>10 pole CA742/10<br>100 pole CA742/100 | 100<br>100<br>100<br>10<br>10 | 2 pole CA742/2<br>3 pole CA742/3<br>4 pole CA742/4<br>10 pole CA742/10<br>100 pole CA742/100 | 100<br>100<br>100<br>10<br>10 | -<br>-<br>-<br>-<br>-            | -<br>-<br>-<br>-<br>- |
| External Jumper           | 2 pole CA713/2<br>3 pole CA713/3<br>4 pole CA713/4<br>10 pole CA713/10                       | 100<br>100<br>100<br>20       | 2 pole CA713/2<br>3 pole CA713/3<br>4 pole CA713/4<br>10 pole CA713/10                       | 100<br>100<br>100<br>20       | -<br>-<br>-<br>-                 | -<br>-<br>-<br>-      |
| Test Socket               | CA707/TS/01                                                                                  |                               | CA707/TS/01                                                                                  |                               | -                                | -                     |
| Marking Tag               | MT6                                                                                          | 1 Pk. (100 tags)              | MT6                                                                                          | 1 Pk. (100 tags)              | MT6                              | 1 Pk. (100 tags)      |

**HIGHLIGHTS**

**FEATURES**

- 3 to 4 connections
- Up to 2 connection points on each side
- 2 jumper channels on **CMC2-2** for individual potential distribution
- **CMCG4** same profile as regular feed-through version

**APPLICATIONS**

- Connecting different type of wires with different wire sizes into a single terminal block
- Simple distribution applications



### HIGHLIGHTS

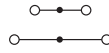
#### FEATURES

- Accommodates larger **MT6** marking tags on both levels
- Independent and internally shorted version
- CDL4UN** offers jumper channel on both levels
- Same profile Ground versions
- Grounding Level on **CDLG4** is identified by green/yellow imprint

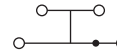
#### APPLICATIONS

- High density writing applications

### CDL4UN



### CDL4UN(I.S)



#### Dimensions & Weight

|                   | CDL4UN             | CDL4UN(I.S)        |
|-------------------|--------------------|--------------------|
| Width             | 6 mm               | 6 mm               |
| Length            | 57.0 mm            | 57.0 mm            |
| Height w DIN Rail | 59.5 mm<br>67.2 mm | 59.5 mm<br>67.2 mm |
| Weight per piece  | 13.8 g             | 15.6 g             |

#### Technical Data/Ratings

| Approvals                                | CDL4UN        |                       | CDL4UN(I.S)   |                       |
|------------------------------------------|---------------|-----------------------|---------------|-----------------------|
| CE, Ex, IEC, Low Voltage Directive, RoHS | UL US E220514 | CS US 60947-7-1       | UL US E220514 | CS US 60947-7-1       |
| Wire Size (solid / stranded)             | 22-10 AWG     | 0.2-4 mm <sup>2</sup> | 22-10 AWG     | 0.2-4 mm <sup>2</sup> |
| Voltage Rating                           | 600 V         | 800 V AC/DC           | 600 V         | 800 V AC/DC           |
| Current Rating                           | 35 A          | 32 A                  | 35 A          | 32 A                  |
| Torque                                   | 7 lb-in       | 0.5 Nm                | 7 lb-in       | 0.5 Nm                |
| Insulation Material                      | Polyamide 66  |                       | Polyamide 66  |                       |

#### Installation Instructions

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | 9 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

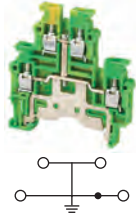
|                        | Cat. No.      | Std. Pk. | Cat. No.           | Std. Pk. |
|------------------------|---------------|----------|--------------------|----------|
| <b>Grey (standard)</b> | <b>CDL4UN</b> | 100      | <b>CDL4UN(I.S)</b> | 100      |
| Red R                  | CDL4UN/R      | 100      | CDL4UN(I.S)/R      | 100      |
| Blue BU                | CDL4UN/BU     | 100      | CDL4UN(I.S)/BU     | 100      |
| Black BL               | CDL4UN/BL     | 100      | CDL4UN(I.S)/BL     | 100      |
| Orange O               | CDL4UN/O      | 100      | CDL4UN(I.S)/O      | 100      |
| Green G                | CDL4UN/G      | 100      | CDL4UN(I.S)/G      | 100      |
| Yellow Y               | CDL4UN/Y      | 100      | CDL4UN(I.S)/Y      | 100      |
| White W                | CDL4UN/W      | 100      | CDL4UN(I.S)/W      | 100      |

#### Accessories

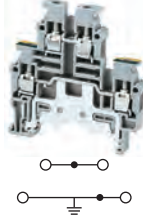
|                           | Cat. No.                                          | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               |
|---------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|
| End Plate                 | EPCDL4UN                                          | 50                                                     | EPCDL4UN                         | 50                                                     |
| Separator Plate           | SPCDL4U                                           | 100                                                    | SPCDL4U                          | 100                                                    |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         |
| End Stop                  | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         |
| Internal Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10    | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 |
| Insulated Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 | 100<br>100<br>100<br>10<br>10    | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 |
| External Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              | 100<br>50<br>50<br>20            | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              |
| Test Socket               | CA707/TS/01                                       | 100                                                    | CA707/TS/01                      | 100                                                    |
| Marking Tag               | MT6                                               | 1 Pk. (100 tags)                                       | MT6                              | 1 Pk. (100 tags)                                       |

### FEED THROUGH DOUBLE LEVEL

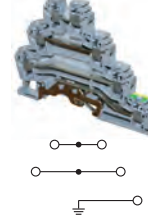
#### CDLG4(I.S)



#### CDLG4



#### CDLG2.5



#### Dimensions & Weight

|                   |                           |                    |                    |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 6 mm                      | 6 mm               | 6 mm               |
| Length            | 57.0 mm                   | 57.0 mm            | 71.0 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 59.5 mm<br>67.2 mm | 53.0 mm<br>61.0 mm |
| Weight per piece  | 22.2 g                    | 20.6 g             | 20.2 g             |

#### Technical Data/Ratings

|                              |              |                       |                    |                       |              |                         |
|------------------------------|--------------|-----------------------|--------------------|-----------------------|--------------|-------------------------|
| Approvals                    |              |                       |                    |                       |              |                         |
| Wire Size (solid / stranded) | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-10 AWG          | 0.2-4 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 150 V        | 500 V AC/DC           | 150 V              | 500 V AC/DC           | 300 V        | 500 V                   |
| Current Rating               | -            | -                     | 32 A (upper level) | 32 A                  | 24 A         | 24 A                    |
| Torque                       | 4.5 lb-in    | 0.5 Nm                | 4.5 lb-in          | 0.5 Nm                | 4.5 lb-in    | 0.4 Nm                  |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66       |                       | Polyamide 66 |                         |

#### Installation Instructions

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 8 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.5 x 3.0 mm |

#### Terminal Blocks

|                     | Cat. No.          | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.       | Std. Pk. |
|---------------------|-------------------|----------|--------------|----------|----------------|----------|
| <b>Yellow/Green</b> | <b>CDLG4(I.S)</b> | 100      | <b>CDLG4</b> | 100      | <b>CDLG2.5</b> | 100      |

#### Accessories

|                           | Cat. No.                                          | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                       |                              |
|---------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------------------|------------------------------|
| End Plate                 | EPCDL4UN                                          | 50                                                     | EPCDL4UN                         | 50                                                     | EPCDLG2.5                        | 50                                             |                              |
| Separator Plate           | SPCDL4U                                           | 100                                                    | SPCDL4U                          | 100                                                    | SPCDLG2.5                        | 100                                            |                              |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                 |                              |
| End Stop                  | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                 |                              |
| Internal Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>50<br>10<br>10     | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>50<br>10<br>10     | CA627/2<br>CA627/3<br>CA627/4<br>CA627/10<br>- | 100<br>100<br>100<br>10<br>- |
| Insulated Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 | 100<br>100<br>100<br>10<br>10    | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 | 100<br>100<br>100<br>10<br>10    | -<br>-<br>-<br>-<br>-                          | -<br>-<br>-<br>-<br>-        |
| External Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              | 100<br>50<br>50<br>20            | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              | 100<br>50<br>50<br>20            | CA715/2<br>CA715/3<br>CA715/4<br>CA715/10      | 100<br>100<br>100<br>20      |
| Test Socket               | CA707/TS/01                                       | 100                                                    | CA707/TS/01                      | 100                                                    | CA707/TS/01                      | 100                                            |                              |
| Marking Tag               | MT6                                               | 1 Pk. (100 tags)                                       | MT6                              | 1 Pk. (100 tags)                                       | MT2G                             | 1 Pk. (100 tags)                               |                              |



# DOUBLE LEVEL

## SCREW TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

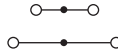
- Top Level is offset by half terminal width from lower level
- Offset allows better access to both levels even when fully wired
- Different Endplates for front and back side guarantee flush mounting to neighboring terminal blocks or end stops (EPODL4U and EP1ODL4U)

#### APPLICATIONS

- High density wiring applications

## FEED THROUGH OFFSET DOUBLE LEVEL

### ODL4U



#### Dimensions & Weight

|                   |                           |
|-------------------|---------------------------|
| <b>Width</b>      |                           |
| Length            |                           |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm |
| Weight per piece  |                           |

|                    |
|--------------------|
| <b>6 mm</b>        |
| 68 mm              |
| 65.0 mm<br>71.1 mm |
| 14.5 g             |

#### Technical Data/Ratings

|                              |              |  |
|------------------------------|--------------|--|
| Approvals                    |              |  |
| Wire Size (solid / stranded) | 22-10 AWG    |  |
| Voltage Rating               | 600 V        |  |
| Current Rating               | 35 A         |  |
| Torque                       | 7 lb-in      |  |
| Insulation Material          | Polyamide 66 |  |

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| <br>E220514<br>60947-7-1 | <br>0.2-4 mm <sup>2</sup><br>800 VAC/DC<br>32 A<br>0.5 Nm |
| Polyamide 66             |                                                           |

#### Installation Instructions

|                       |  |
|-----------------------|--|
| Wire Stripping Length |  |
| Screwdriver           |  |

|                        |
|------------------------|
| 9 mm                   |
| Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        |    |  |
|------------------------|----|--|
| <b>Grey (standard)</b> |    |  |
| Red                    | R  |  |
| Blue                   | BU |  |
| Black                  | BL |  |
| Orange                 | O  |  |
| Green                  | G  |  |
| Yellow                 | Y  |  |
| White                  | W  |  |

| Cat. No.     | Std. Pk. |
|--------------|----------|
| <b>ODL4U</b> | 100      |
| ODL4U/R      | 100      |
| ODL4U/BU     | 100      |
| ODL4U/BL     | 100      |
| ODL4U/O      | 100      |
| ODL4U/G      | 100      |
| ODL4U/Y      | 100      |
| ODL4U/W      | 100      |

#### Accessories

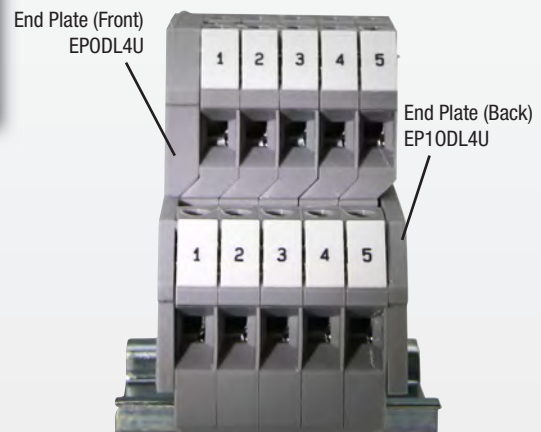
|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| End Plate                 |                                                       |
| Separator Plate           |                                                       |
| DIN Rail                  |                                                       |
| End Stop                  |                                                       |
| Internal Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole<br> |
| Insulated Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole<br> |
| External Jumper           | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>             |
| Test Socket               |                                                       |
| Marking Tag               |                                                       |

| Cat. No.        | Std. Pk.         |
|-----------------|------------------|
| EPODL4U (Front) | 50               |
| EP1ODL4U (Back) | 50               |
| SPCDL4U         | 100              |
| 2511120         | 20               |
| CA701-15/S      | 20               |
| 2511160         | 10               |
| CA702           | 50               |
| CA802           | 50               |
| CA202           | 25               |
| CA727/2         | 100              |
| CA727/3         | 100              |
| CA727/4         | 100              |
| CA727/10        | 10               |
| CA727/100       | 10               |
| CA747/2         | 100              |
| CA747/3         | 100              |
| CA747/4         | 100              |
| CA747/10        | 10               |
| CA747/100       | 10               |
| CA714/2         | 100              |
| CA714/3         | 100              |
| CA714/4         | 100              |
| CA714/10        | 20               |
| CA707/TS/01     |                  |
| MT6             | 1 Pk. (100 tags) |

ODL4U  
(without End Plates)

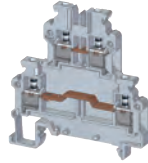


ODL4U  
(with End Plates)

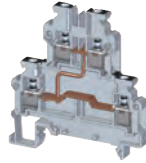


## FEED THROUGH DOUBLE LEVEL

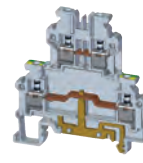
### ODL2.5



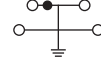
### ODL2.5(I.S)



### ODLG2.5



### ODLG2.5(I.S)



### Dimensions & Weight

|                   | ODL2.5                    | ODL2.5(I.S)        | ODLG2.5            | ODLG2.5(I.S)       |
|-------------------|---------------------------|--------------------|--------------------|--------------------|
| Width             | 5 mm                      | 5 mm               | 5 mm               | 5 mm               |
| Length            | 62.0 mm                   | 62.0 mm            | 62.0 mm            | 62.0 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 63.0 mm<br>70.5 mm | 63.0 mm<br>70.5 mm | 63.0 mm<br>70.5 mm |
| Weight per piece  | 13.0 g                    | 14.2 g             | 15.3 g             | 17.0 g             |

### Technical Data/Ratings

| Approvals                    | UL           |                         | IEC          |                         | UL           |                         | IEC          |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
|                              | 60947-7-1    |                         | 60947-7-1    |                         | 60947-7-1    |                         | 60947-7-1    |                         |
| Wire Size (solid / stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 300 V        | 800 V AC/DC             | 300 V        | 800 V AC/DC             | 300 V        | 800 V AC/DC             | 300 V        | 800 V AC/DC             |
| Current Rating               | 25 A         | 24 A                    | 25 A         | 24 A                    | 25 A         | 24 A                    | 24 A         | 24 A                    |
| Torque                       | 4.5 lb-in    | 0.4 Nm                  | 4.5 lb-in    | 0.4 Nm                  | 4.5 lb-in    | 0.4 Nm                  | 4.5 lb-in    | 0.4 Nm                  |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         |

### Installation Instructions

| Wire Stripping Length | 8 mm                   | 8 mm                   | 8 mm                   | 8 mm                   |
|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

### Terminal Blocks

|                               | Cat. No.      | Std. Pk. | Cat. No.           | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.            | Std. Pk. |
|-------------------------------|---------------|----------|--------------------|----------|----------------|----------|---------------------|----------|
| <b>Grey Stackable Clip-on</b> | <b>ODL2.5</b> | 50       | <b>ODL2.5(I.S)</b> | 50       | <b>ODLG2.5</b> | 50       | <b>ODLG2.5(I.S)</b> | 50       |
|                               | ODL2.5A       | 50       | ODL2.5A(I.S)       | 50       | ODLG2.5A       | 50       | ODLG2.5A(I.S)       | 50       |

### Accessories

|                                 | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |     |
|---------------------------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|-----|
| End Plate  Front Side Back Side | EP0DL2.5   | 50               | EP0DL2.5   | 50               | EP0DL2.5   | 50               | EP0DL2.5   | 50               |     |
|                                 | EP1ODL2.5  | 50               | EP1ODL2.5  | 50               | EP1ODL2.5  | 50               | EP1ODL2.5  | 50               |     |
| DIN Rail  35mm 35mm             | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |     |
|                                 | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |     |
| End Stop                        | CA702      | 50               | CA702      | 50               | CA702      | 50               | CA702      | 50               |     |
|                                 | CA802      | 50               | CA802      | 50               | CA802      | 50               | CA802      | 50               |     |
|                                 | CA202      | 25               | CA202      | 25               | CA202      | 25               | CA202      | 25               |     |
|                                 | CA202      | 25               | CA202      | 25               | CA202      | 25               | CA202      | 25               |     |
| Shorting Link/ Jumpers          | 2 pole     | JX2.5/2          | 100        | JX2.5/2          | 100        | JX2.5/2          | 100        | JX2.5/2          | 100 |
|                                 | 3 pole     | JX2.5/3          | 50         | JX2.5/3          | 50         | JX2.5/3          | 50         | JX2.5/3          | 50  |
|                                 | 4 pole     | JX2.5/4          | 50         | JX2.5/4          | 50         | JX2.5/4          | 50         | JX2.5/4          | 50  |
|                                 | 5 pole     | JX2.5/5          | 50         | JX2.5/5          | 50         | JX2.5/5          | 50         | JX2.5/5          | 50  |
|                                 | 6 pole     | JX2.5/6          | 10         | JX2.5/6          | 10         | JX2.5/6          | 10         | JX2.5/6          | 10  |
|                                 | 7 pole     | JX2.5/7          | 10         | JX2.5/7          | 10         | JX2.5/7          | 10         | JX2.5/7          | 10  |
|                                 | 8 pole     | JX2.5/8          | 10         | JX2.5/8          | 10         | JX2.5/8          | 10         | JX2.5/8          | 10  |
|                                 | 10 pole    | JX2.5/10         | 10         | JX2.5/10         | 10         | JX2.5/10         | 10         | JX2.5/10         | 10  |
| Marking Tag                     | MT5        | 1 Pk. (100 tags) | MT5        | 1 Pk. (100 tags) | MT5        | 1 Pk. (100 tags) | MT5        | 1 Pk. (100 tags) |     |



# TRIPLE LEVEL

## SCREW TERMINAL BLOCKS

## FEED THROUGH TRIPLE LEVEL

### HIGHLIGHTS

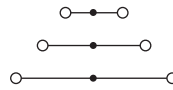
#### FEATURES

- 3 Feed through levels
- Marking Tag space on all 3 levels
- Independent Levels and internally shorted version **CTL2.5U(I.S)**
- LED versions to show switching indication in various voltages - **CTL2.5U(L)/XX**
- 3 Level terminal with additional grounding level **CTLG2.5**

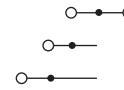
#### APPLICATIONS

- Control Systems with sensor applications
- Actuator applications
- Motor applications
- Applications with high wire density

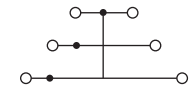
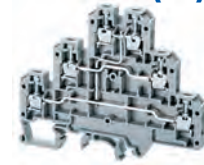
### CTL2.5U



### CTL2.5U-H



### CTL2.5U(I.S)



#### Dimensions & Weight

|                   | CTL2.5U                   | CTL2.5U-H          | CTL2.5U(I.S)       |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 6 mm                      | 6 mm               | 6 mm               |
| Length            | 84.0 mm                   | 61.0 mm            | 84.0 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 68.0 mm<br>75.6 mm | 68.0 mm<br>75.6 mm |
| Weight per piece  | 20.0 g                    | 21.0 g             | 21.0 g             |

#### Technical Data/Ratings

| Approvals                    |              |                         |              |                         |              |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
| Wire Size (solid / stranded) | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 300 V        | 500 V AC/DC             | 300 V        | 500 V AC/DC             | 150 V        | 500 V AC/DC             |
| Current Rating               | 25 A         | 24 A                    | 25 A         | 24 A                    | 25 A         | 24 A                    |
| Torque                       | 4.5 lb-in    | 0.4 Nm                  | 4.5 lb-in    | 0.4 Nm                  | 4.5 lb-in    | 0.4 Nm                  |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         |

#### Installation Instructions

|                       | CTL2.5U                | CTL2.5U-H              | CTL2.5U(I.S)           |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9 mm                   | 9 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.5 x 3.0 mm | Flat Head 0.5 x 3.0 mm | Flat Head 0.5 x 3.0 mm |

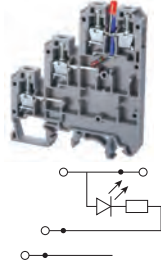
#### Terminal Blocks

|                        | Cat. No.       | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.            | Std. Pk. |
|------------------------|----------------|----------|------------------|----------|---------------------|----------|
| <b>Grey (standard)</b> | <b>CTL2.5U</b> | 50       | <b>CTL2.5U-H</b> | 50       | <b>CTL2.5U(I.S)</b> | 50       |
| Red R                  | CTL2.5U/R      | 50       | CTL2.5U-H/R      | 50       | CTL2.5U(I.S)/R      | 50       |
| Blue BU                | CTL2.5U/BU     | 50       | CTL2.5U-H/BU     | 50       | CTL2.5U(I.S)/BU     | 50       |
| Black BL               | CTL2.5U/BL     | 50       | CTL2.5U-H/BL     | 50       | CTL2.5U(I.S)/BL     | 50       |
| Orange O               | CTL2.5U/O      | 50       | CTL2.5U-H/O      | 50       | CTL2.5U(I.S)/O      | 50       |
| Green G                | CTL2.5U/G      | 50       | CTL2.5U-H/G      | 50       | CTL2.5U(I.S)/G      | 50       |
| Yellow Y               | CTL2.5U/Y      | 50       | CTL2.5U-H/Y      | 50       | CTL2.5U(I.S)/Y      | 50       |
| White W                | CTL2.5U/W      | 50       | CTL2.5U-H/W      | 50       | CTL2.5U(I.S)/W      | 50       |

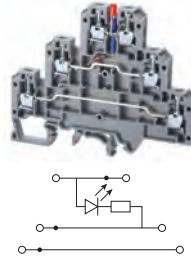
#### Accessories

|                 | Cat. No.    | Std. Pk.         | Cat. No.    | Std. Pk.         | Cat. No.    | Std. Pk.         |
|-----------------|-------------|------------------|-------------|------------------|-------------|------------------|
| End Plate       | EPCTL2.5U   | 50               | EPCTL2.5U-H | 50               | EPCTL2.5U   | 50               |
| DIN Rail        | 2511120     | 20               | 2511120     | 20               | 2511120     | 20               |
|                 | CA701-15/S  | 20               | CA701-15/S  | 20               | CA701-15/S  | 20               |
|                 | 2511160     | 10               | 2511160     | 10               | 2511160     | 10               |
| End Stop        | CA702       | 50               | CA702       | 50               | CA702       | 50               |
|                 | CA802       | 50               | CA802       | 50               | CA802       | 50               |
|                 | CA202       | 25               | CA202       | 25               | CA202       | 25               |
| Internal Jumper | CA722/2     | 100              | CA722/2     | 100              | CA722/2     | 100              |
|                 | CA722/3     | 100              | CA722/3     | 100              | CA722/3     | 100              |
|                 | CA722/4     | 100              | CA722/4     | 100              | CA722/4     | 100              |
|                 | CA722/10    | 10               | CA722/10    | 10               | CA722/10    | 10               |
|                 | CA722/100   | 10               | CA722/100   | 10               | CA722/100   | 10               |
| External Jumper | CA715/2     | 100              | CA715/2     | 100              | CA715/2     | 100              |
|                 | CA715/3     | 100              | CA715/3     | 100              | CA715/3     | 100              |
|                 | CA715/4     | 100              | CA715/4     | 100              | CA715/4     | 100              |
|                 | CA715/10    | 20               | CA715/10    | 20               | CA715/10    | 20               |
| Test Socket     | CA707/TS/01 | 100              | CA707/TS/01 | 100              | CA707/TS/01 | 100              |
| Marking Tag     | MT2         | 1 Pk. (100 tags) | MT2         | 1 Pk. (100 tags) | MT2         | 1 Pk. (100 tags) |

**CTL2.5U-H(L)/XX**



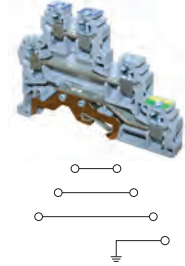
**CTL2.5U(L)/XX**



**CTL2.5UH(I.S)D2**



**CTLG2.5**



**Dimensions & Weight**

|                    |                           |                    |                    |                    |                    |                    |                    |        |
|--------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|
| Width              | <b>6 mm</b>               |                    | <b>6 mm</b>        |                    | <b>6 mm</b>        |                    | <b>6 mm</b>        |        |
| Length             | 61.0 mm                   |                    | 84.0 mm            |                    | 61.0 mm            |                    | 87.5 mm            |        |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 68.0 mm<br>75.6 mm | 68.0 mm<br>75.6 mm | 68.0 mm<br>75.6 mm | 68.0 mm<br>75.6 mm | 66.0 mm<br>74.0 mm | 66.0 mm<br>74.0 mm | 27.4 g |
| Weight per piece   | 21.0 g                    |                    | 21.0 g             |                    | 15.1 g             |                    | 27.4 g             |        |

**Technical Data/Ratings**

|                              |                  |                         |                  |                         |                  |                         |                  |                         |
|------------------------------|------------------|-------------------------|------------------|-------------------------|------------------|-------------------------|------------------|-------------------------|
| Approvals<br>                |                  |                         |                  |                         |                  |                         |                  |                         |
| Wire Size (solid / stranded) | <b>22-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> | <b>22-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> | <b>22-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> | <b>24-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 300 V            | 500 V AC/DC             | 300 V            | 500 V AC/DC             | 150 V            | 500 V AC/DC             | 300 V            | 440 V                   |
| Current Rating               | 25 A             | 24 A                    | 25 A             | 24 A                    | 25 A             | 24 A                    | 24 A             | 24 A                    |
| Torque                       | 4.5 lb-in        | 0.4 Nm                  | 4.5 lb-in        | 0.4 Nm                  | 4.5 lb-in        | 0.4 Nm                  | 4.5 lb-in        | 0.4 Nm                  |
| Insulation Material          | Polyamide 66     |                         | Polyamide 66     |                         | Polyamide 66     |                         | Polyamide 66     |                         |

**Installation Instructions**

|                       |                        |  |                        |  |                        |  |                        |  |
|-----------------------|------------------------|--|------------------------|--|------------------------|--|------------------------|--|
| Wire Stripping Length | 9 mm                   |  | 9 mm                   |  | 9 mm                   |  | 9 mm                   |  |
| Screwdriver           | Flat Head 0.5 x 3.0 mm |  | Flat Head 0.5 x 3.0 mm |  | Flat Head 0.5 x 3.0 mm |  | Flat Head 0.6 x 3.5 mm |  |

**Terminal Blocks**

|                          | Cat. No.                | Std. Pk. | Cat. No.              | Std. Pk. | Cat. No.               | Std. Pk.  | Cat. No.       | Std. Pk.   |
|--------------------------|-------------------------|----------|-----------------------|----------|------------------------|-----------|----------------|------------|
| <b>Grey</b>              |                         |          |                       |          | <b>CTL2.5UH(I.S)D2</b> | <b>50</b> | <b>CTLG2.5</b> | <b>100</b> |
| <b>LED Voltage 12 V</b>  | CTL2.5U-H(L)/12         | 50       | CTL2.5U(L)/12         | 50       |                        |           | Yellow/Green   |            |
| <b>LED Voltage 24 V</b>  | <b>CTL2.5U-H(L)/24</b>  | 50       | <b>CTL2.5U(L)/24</b>  | 50       |                        |           |                |            |
| <b>LED Voltage 48 V</b>  | CTL2.5U-H(L)/48         | 50       | CTL2.5U(L)/48         | 50       |                        |           |                |            |
| <b>LED Voltage 110 V</b> | <b>CTL2.5U-H(L)/110</b> | 50       | <b>CTL2.5U(L)/110</b> | 50       |                        |           |                |            |
| <b>LED Voltage 220 V</b> | CTL2.5U-H(L)/220        | 50       | CTL2.5U(L)/220        | 50       |                        |           |                |            |

**Accessories**

|                 | Cat. No.                                          | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                       |                              |
|-----------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------------------|------------------------------|
| End Plate       | EPCTL2.5U-H                                       | 50                                                     | EPCTL2.5U                        | 50                                                     | EPCTL2.5U-H                      | 50                                                     | EPCTLG2.5                        | 50                                             |                              |
| DIN Rail        | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                                 |                              |
| End Stop        | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                         | CA702<br>CA802<br>CA202          | 50<br>50<br>25                                 |                              |
| Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10    | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10    | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10    | CA627/2<br>CA627/3<br>CA627/4<br>CA627/10<br>- | 100<br>100<br>100<br>10<br>- |
| External Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA715/2<br>CA715/3<br>CA715/4<br>CA715/10              | 100<br>100<br>100<br>20          | CA715/2<br>CA715/3<br>CA715/4<br>CA715/10              | 100<br>100<br>100<br>20          | CA715/2<br>CA715/3<br>CA715/4<br>CA715/10              | 100<br>100<br>100<br>20          | CA715/2<br>CA715/3<br>CA715/4<br>CA715/10      | 100<br>100<br>100<br>20      |
| Test Socket     | CA707/TS/01                                       | 100                                                    | CA707/TS/01                      | 100                                                    | CA707/TS/01                      | 100                                                    | CA707/TS/01                      | 100                                            |                              |
| Marking Tag     | MT2                                               | 1 Pk. (100 tags)                                       | MT2                              | 1 Pk. (100 tags)                                       | MT2                              | 1 Pk. (100 tags)                                       | MT2G                             | 1 Pk. (100 tags)                               |                              |



### HIGHLIGHTS

#### FEATURES

- Yellow/Green color code as per industry standard
- Clamp mechanically on Rail by tightening middle screw
- Rail serves as grounding busbar to feed ground potential to all other grounding terminals
- **CGT4N, CGT6N, CGT10N and CGT16N** have same profile as respective feed through blocks
- **CGT4U, CGT10U, and CGT35U** mount on both 35mm and 32mm DIN-Rail

#### APPLICATIONS

- Grounding Applications



#### Dimensions & Weight

|                   | <b>CGT4U</b>              | <b>CGT4N</b>       | <b>CGT6N</b>       |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 6 mm                      | 6 mm               | 8 mm               |
| Length            | 43 mm                     | 54.2 mm            | 54.5 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>56.7 mm | 47.0 mm<br>54.4 mm |
| Weight per piece  | 21.5 g                    | 22.0 g             | 27.0 g             |

#### Technical Data/Ratings

| Approvals                    |                                   |  |                                   |  |                                  |  |
|------------------------------|-----------------------------------|--|-----------------------------------|--|----------------------------------|--|
| Wire Size (solid / stranded) | 22-10 AWG / 0.2-4 mm <sup>2</sup> |  | 22-10 AWG / 0.2-4 mm <sup>2</sup> |  | 22-8 AWG / 0.2-6 mm <sup>2</sup> |  |
| Voltage Rating               | 600V / 800 VAC/DC                 |  | 600V / 1000 VAC/DC                |  | 600V / 1000 VAC/DC               |  |
| Current Rating               | -                                 |  | -                                 |  | -                                |  |
| Torque                       | 7.0 lb-in / 0.5 Nm                |  | 7 lb-in / 0.5 Nm                  |  | 14 lb-in / 1.6 Nm                |  |
| Insulation Material          | Polyamide 66                      |  | Polyamide 66                      |  | Polyamide 66                     |  |

#### Installation Instructions

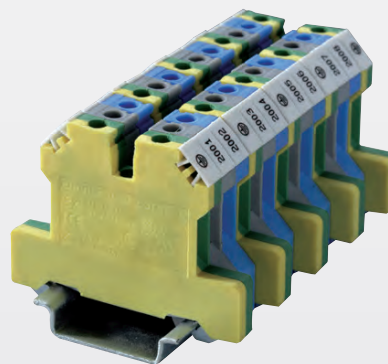
|                       | <b>CGT4U</b>           | <b>CGT4N</b>           | <b>CGT6N</b>           |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 8 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4.0 mm |

#### Terminal Blocks

|              | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. |
|--------------|--------------|----------|--------------|----------|--------------|----------|
| Yellow/Green | <b>CGT4U</b> | 50       | <b>CGT4N</b> | 50       | <b>CGT6N</b> | 50       |

#### Accessories

|             | Cat. No.                         | Std. Pk.         | Cat. No.                         | Std. Pk.         | Cat. No.                         | Std. Pk.         |
|-------------|----------------------------------|------------------|----------------------------------|------------------|----------------------------------|------------------|
| End Plate   | EPCGT4U/Y                        | 50               | -                                | -                | -                                | -                |
| DIN Rail    | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   |
| Marking Tag | MT6                              | 1 Pk. (100 tags) | MT6                              | 1 Pk. (100 tags) | MT8                              | 1 Pk. (100 tags) |



Assembly example for single phase 3 wire circuits.

**CGT10U**



**CGT10N**



**CGT16N**



**CGT35U**



**Dimensions & Weight**

|                   |                           |                    |                    |                    |
|-------------------|---------------------------|--------------------|--------------------|--------------------|
| Width             | <b>10 mm</b>              | <b>10 mm</b>       | <b>12 mm</b>       | <b>16 mm</b>       |
| Length            | 45.0 mm                   | 55.0 mm            | 55.0 mm            | 58.0 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 51.0 mm<br>58.2 mm | 48.5 mm<br>56.0 mm | 63.7 mm<br>70.5 mm |
| Weight per piece  | 30.5 g                    | 35.2 g             | 39.6 g             | 102.0 g            |

**Technical Data/Ratings**

|                              |                 |          |                        |                 |                        |                 |                        |                |                        |  |  |  |
|------------------------------|-----------------|----------|------------------------|-----------------|------------------------|-----------------|------------------------|----------------|------------------------|--|--|--|
| Approvals<br>                |                 |          |                        |                 |                        |                 |                        |                |                        |  |  |  |
| Wire Size (solid / stranded) | <b>16-8 AWG</b> | 22-6 AWG | 0.2-10 mm <sup>2</sup> | <b>16-6 AWG</b> | 0.2-10 mm <sup>2</sup> | <b>20-4 AWG</b> | 0.2-16 mm <sup>2</sup> | <b>8-2 AWG</b> | 2.5-35 mm <sup>2</sup> |  |  |  |
| Voltage Rating               | 600 V           | 600 V    | 1000 VAC/DC            | 600 V           | 1000 VAC/DC            | 600 V           | 1000 VAC/DC            | 600 V          | 1000 VAC/DC            |  |  |  |
| Current Rating               | -               |          |                        | -               |                        |                 | -                      |                |                        |  |  |  |
| Torque                       | 14 lb-in        | 14 lb-in | 1.6 Nm                 | 14 lb-in        | 1.6 Nm                 | 14 lb-in        | 1.6 Nm                 | 25 lb-in       | 2.8 Nm                 |  |  |  |
| Insulation Material          | Polyamide 66    |          |                        |                 |                        |                 |                        |                |                        |  |  |  |

**Installation Instructions**

|                       |                        |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 11 mm                  | 11 mm                  | 12 mm                  | 15 mm                  |
| Screwdriver           | Flat Head 0.8 x 4.0 mm | Flat Head 0.8 x 4.0 mm | Flat Head 1.0 x 5.5 mm | Flat Head 1.0 x 5.5 mm |

**Terminal Blocks**

|              |               |          |               |          |               |          |               |          |
|--------------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|
|              | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. |
| Yellow/Green | <b>CGT10U</b> | 50       | <b>CGT10N</b> | 50       | <b>CGT16N</b> | 50       | <b>CGT35U</b> | 20       |

**Accessories**

|             |            |                  |            |                  |            |                  |            |                  |
|-------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate   | -          | -                | -          | -                | -          | -                | -          | -                |
| DIN Rail    | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|             | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|             | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| Marking Tag | MT10       | 1 Pk. (100 tags) | MT10       | 1 Pk. (100 tags) | MT12       | 1 Pk. (100 tags) | MT16       | 1 Pk. (100 tags) |

# FUSE BLOCKS

SCREW TERMINAL BLOCKS

FUSE BLOCKS, 5 x 20 and 5 x 25 mm

## HIGHLIGHTS

### FEATURES

- CF4U Series accepts 5x20mm/ 5x25mm fuse types
- Completely enclosed, no endplates
- CF4U(L) version with LED for blown fuse indication
- Large marking area
- No polarity required
- Blocks can be used for AC & DC Voltages

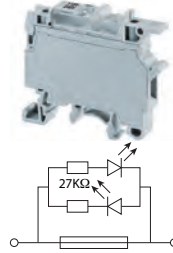
### APPLICATIONS

- Control systems with fuse protection

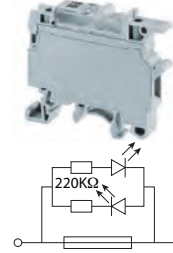
### CF4U



### CF4U(L)/6-60V



### CF4U(L)/110-240V



### Dimensions & Weight

| Width             | 8 mm                      | 8 mm               | 8 mm               |
|-------------------|---------------------------|--------------------|--------------------|
| Length            | 57.0 mm                   | 57.0 mm            | 57.0 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 50.3 mm<br>57.6 mm | 50.3 mm<br>57.6 mm |
| Weight per piece  | 14.8 g                    | 15.4 g             | 15.4 g             |

### Technical Data/Ratings

| Approvals                    |                                   |  |                                   |  |                                   |  |
|------------------------------|-----------------------------------|--|-----------------------------------|--|-----------------------------------|--|
| Wire Size (solid / stranded) | 22-10 AWG / 0.2-4 mm <sup>2</sup> |  | 22-10 AWG / 0.2-4 mm <sup>2</sup> |  | 22-10 AWG / 0.2-4 mm <sup>2</sup> |  |
| Voltage Rating               | 600 V / 800 V AC/DC               |  | 600 V / 800 V AC/DC               |  | 600 V / 800 V AC/DC               |  |
| Current Rating               | 10 A / 6.3 A                      |  | 10 A / 6.3 A                      |  | 10 A / 6.3 A                      |  |
| Torque                       | 7 lb-in / 0.5 Nm                  |  | 7 lb-in / 0.5 Nm                  |  | 7 lb-in / 0.5 Nm                  |  |
| Insulation Material          | Polyamide 66                      |  |                                   |  |                                   |  |

### Fuse Specifications

|                       |                     |                     |                     |
|-----------------------|---------------------|---------------------|---------------------|
| Fuse Type             | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm |
| LED Indicator Voltage | -                   | 6-60V AC/DC         | 110-240V AC/DC      |

### Installation Instructions

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9.5 mm                 | 9.5 mm                 | 9.5 mm                 |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

### Terminal Blocks

|                        | Cat. No.    | Std. Pk. | Cat. No.             | Std. Pk. | Cat. No.                | Std. Pk. |
|------------------------|-------------|----------|----------------------|----------|-------------------------|----------|
| <b>Grey (standard)</b> | <b>CF4U</b> | 50       | <b>CF4U(L)/6-60V</b> | 50       | <b>CF4U(L)/110-240V</b> | 50       |
| Blue BU                | CF4U/BU     | 50       | CF4U(L)/6-60V/BU     | 50       | CF4U(L)/110-240V/BU     | 50       |
| Black BL               | CF4U/BL     | 50       | CF4U(L)/6-60V/BL     | 50       | CF4U(L)/110-240V/BL     | 50       |

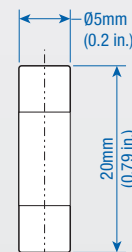
### Accessories

|                 | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|-----------------|------------|------------------|------------|------------------|------------|------------------|
| DIN Rail        | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                 | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                 | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| External Jumper | CA711/2    | 100              | CA711/2    | 100              | CA711/2    | 100              |
|                 | CA711/3    | 50               | CA711/3    | 50               | CA711/3    | 50               |
|                 | CA711/4    | 50               | CA711/4    | 50               | CA711/4    | 50               |
|                 | CA711/10   | 20               | CA711/10   | 20               | CA711/10   | 20               |
| Marking Tag     | MT8        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) |
| On Terminal     | MT6        | 1 Pk. (100 tags) | MT6        | 1 Pk. (100 tags) | MT6        | 1 Pk. (100 tags) |
| On Fuse Carrier |            |                  |            |                  |            |                  |

### Fuses 5 x 20 mm



| Current Rating | Slow Blow Cat. No | Fast Blow Cat. No |
|----------------|-------------------|-------------------|
| 0.1A           | 0.1M5x20T         | 0.1M5x20F         |
| 0.2A           | 0.2M5x20T         | 0.2M5x20F         |
| 0.5A           | 0.5M5x20T         | 0.5M5x20F         |
| 1.0A           | 1.0M5x20T         | 1.0M5x20F         |
| 2.0A           | 2.0M5x20T         | 2.0M5x20F         |
| 4.0A           | 4.0M5x20T         | 4.0M5x20F         |
| 5.0A           | 5.0M5x20T         | 5.0M5x20F         |
| 6.3A           | 6.3M5x20T         | 6.3M5x20F         |
| 8.0A           | 8.0M5x20T         | 8.0M5x20F         |
| 10.0A          | 10.0M5x20T        | 10.0M5x20F        |

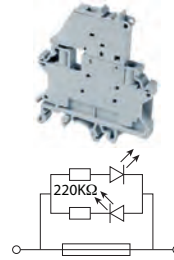
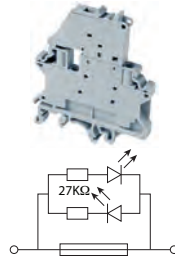
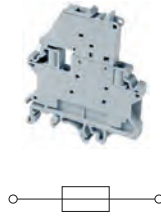




**CF4SP**

**CF4SP(L)/6-60V**

**CF4SP(L)/110-240V**



**Dimensions & Weight**

|                    |                           |                    |                    |
|--------------------|---------------------------|--------------------|--------------------|
| Width              | <b>6 mm</b>               | <b>6 mm</b>        | <b>6 mm</b>        |
| Length             | 58.5 mm                   | 58.5 mm            | 58.5 mm            |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 70.0 mm<br>77.5 mm | 70.0 mm<br>77.5 mm |
| Weight per piece   | 16.9 g                    | 17.4 g             | 17.4 g             |

**Technical Data/Ratings**

|                              |                  |                       |                  |                       |                  |                       |
|------------------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|
| Approvals                    |                  |                       |                  |                       |                  |                       |
| Wire Size (solid / stranded) | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V            | 1000 V AC/DC          | 600 V            | 1000 V AC/DC          | 600 V            | 1000 V AC/DC          |
| Current Rating               | 10 A             | 10 A                  | 10 A             | 10 A                  | 10 A             | 10 A                  |
| Torque                       | 4.5 lb-in        | 0.5 Nm                | 4.5 lb-in        | 0.5 Nm                | 4.5 lb-in        | 0.5 Nm                |
| Insulation Material          | Polyamide 66     |                       | Polyamide 66     |                       | Polyamide 66     |                       |

**Fuse Specifications**

|                       |                     |                     |                     |
|-----------------------|---------------------|---------------------|---------------------|
| Fuse Type             | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm |
| LED Indicator Voltage | -                   | 6-60V AC/DC         | 110-240V AC/DC      |

**Installation Instructions**

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | <b>8 mm</b>            | <b>8 mm</b>            | <b>8 mm</b>            |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|                        |              |          |                       |          |                          |          |
|------------------------|--------------|----------|-----------------------|----------|--------------------------|----------|
| <b>Grey (standard)</b> | Cat. No.     | Std. Pk. | Cat. No.              | Std. Pk. | Cat. No.                 | Std. Pk. |
| Blue BU                | <b>CF4SP</b> | 50       | <b>CF4SP(L)/6-60V</b> | 50       | <b>CF4SP(L)/110-240V</b> | 50       |
| Black BL               | CF4SP/BU     | 50       | CF4SP(L)/6-60V/BU     | 50       | CF4SP(L)/110-240V/BU50   |          |
|                        | CF4SP/BL     | 50       | CF4SP(L)/6-60V/BL     | 50       | CF4SP(L)/110-240V/BL50   |          |

**Accessories**

|                           |                     |                  |                     |                  |                     |                  |
|---------------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|
| DIN Rail                  | Cat. No.            | Std. Pk.         | Cat. No.            | Std. Pk.         | Cat. No.            | Std. Pk.         |
|                           | 2511120             | 20               | 2511120             | 20               | 2511120             | 20               |
|                           | CA701-15/S          | 20               | CA701-15/S          | 20               | CA701-15/S          | 20               |
|                           | 2511160             | 10               | 2511160             | 10               | 2511160             | 10               |
| Internal Jumper           | 2 pole CA722/2      | 100              | 2 pole CA722/2      | 100              | 2 pole CA722/2      | 100              |
|                           | 3 pole CA722/3      | 100              | 3 pole CA722/3      | 100              | 3 pole CA722/3      | 100              |
|                           | 4 pole CA722/4      | 100              | 4 pole CA722/4      | 100              | 4 pole CA722/4      | 100              |
|                           | 10 pole CA722/10    | 10               | 10 pole CA722/10    | 10               | 10 pole CA722/10    | 10               |
|                           | 100 pole CA722/100  | 10               | 100 pole CA722/100  | 10               | 100 pole CA722/100  | 10               |
| Insulated Internal Jumper | 2 pole CA742/2      | 100              | 2 pole CA742/2      | 100              | 2 pole CA742/2      | 100              |
|                           | 3 pole CA742/3      | 100              | 3 pole CA742/3      | 100              | 3 pole CA742/3      | 100              |
|                           | 4 pole CA742/4      | 100              | 4 pole CA742/4      | 100              | 4 pole CA742/4      | 100              |
|                           | 10 pole CA742/10    | 10               | 10 pole CA742/10    | 10               | 10 pole CA742/10    | 10               |
|                           | 100 pole CA742/100  | 10               | 100 pole CA742/100  | 10               | 100 pole CA742/100  | 10               |
| External Jumper           | 2 pole CA714/2      | 100              | 2 pole CA714/2      | 100              | 2 pole CA714/2      | 100              |
|                           | 3 pole CA714/3      | 100              | 3 pole CA714/3      | 100              | 3 pole CA714/3      | 100              |
|                           | 4 pole CA714/4      | 100              | 4 pole CA714/4      | 100              | 4 pole CA714/4      | 100              |
|                           | 10 pole CA714/10    | 20               | 10 pole CA714/10    | 20               | 10 pole CA714/10    | 20               |
| Marking Tag               | On Terminal MT6     | 1 Pk. (100 tags) | On Terminal MT6     | 1 Pk. (100 tags) | On Terminal MT6     | 1 Pk. (100 tags) |
|                           | On Fuse Carrier MT6 | 1 Pk. (100 tags) | On Fuse Carrier MT6 | 1 Pk. (100 tags) | On Fuse Carrier MT6 | 1 Pk. (100 tags) |

**HIGHLIGHTS**

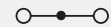
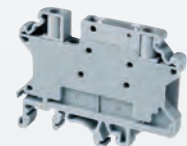
**FEATURES**

- CF4SP Series accepts 5x20mm fuse types
- 6mm wide, compact design
- Internal shorting channel
- Completely enclosed, no endplates
- CF4SP(L) version with LED for blown fuse indication
- No polarity required

**APPLICATIONS**

- Control systems with fuse protection
- Control Circuits with alternating configuration with (CF4SPFT, CKT4SP, etc...)

**CF4SPFT**



Feed Through Terminal  
Same Profile as CF4SP

**Technical Data/Ratings**

|                  |                       |
|------------------|-----------------------|
|                  |                       |
| <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| 600 V            | 1000 V                |
| 30 A             | 32 A                  |
| 4.5 lb-in        | 0.5 Nm                |
| Polyamide 66     |                       |

# FUSE BLOCKS

SCREW TERMINAL BLOCKS

## DOUBLE LEVEL FUSE BLOCKS, 5 x 20 / 5 x 25 mm

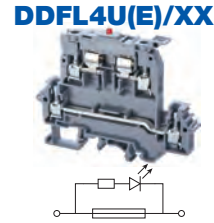
### HIGHLIGHTS

#### FEATURES

- Top Level fuse link for 5x20mm/ 5x25mm fuse types
- Bottom Level Feed through terminal
- **DDFL4U(E)** version with LED for blown fuse indication in various voltages
- Blocks can be used in AC & DC applications

#### APPLICATIONS

- Tight space fuse applications
- No need for additional Feed through terminal



#### Dimensions & Weight

|                   |                           |                    |
|-------------------|---------------------------|--------------------|
| Width             | 8 mm                      |                    |
| Length            | 88 mm                     |                    |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 67.4 mm<br>74.3 mm |
| Weight per piece  | 28.0 g                    |                    |

#### Technical Data/Ratings

|                              |              |  |                       |  |
|------------------------------|--------------|--|-----------------------|--|
| Approvals                    |              |  |                       |  |
| Wire Size (solid / stranded) | 22-10 AWG    |  | 0.2-4 mm <sup>2</sup> |  |
| Voltage Rating               | 600 V        |  | 800 V AC/DC           |  |
| Current Rating (top)         | 6.3 A        |  | 6.3 A                 |  |
| Current Rating (bottom)      | 35 A         |  | 32 A                  |  |
| Torque                       | 7 lb-in      |  | 0.5 Nm                |  |
| Insulation Material          | Polyamide 66 |  |                       |  |

#### Fuse Specifications

|                       |                     |                            |
|-----------------------|---------------------|----------------------------|
| Fuse Type             | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm        |
| LED Indicator Voltage | -                   | 24V, 48V, 110V, 220V, 440V |

#### Installation Instructions

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | 9.5 mm                 | 9.5 mm                 |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                               | Cat. No.      | Std. Pk. | Cat. No.             | Std. Pk. |
|-------------------------------|---------------|----------|----------------------|----------|
| <b>Grey</b>                   | <b>DDFL4U</b> | 20       | <b>DDFL4U(E)/24</b>  | 20       |
| <b>LED Voltage 24V AC/DC</b>  |               |          | <b>DDFL4U(E)/48</b>  | 20       |
| <b>LED Voltage 48V AC/DC</b>  |               |          | <b>DDFL4U(E)/110</b> | 20       |
| <b>LED Voltage 110V AC/DC</b> |               |          | <b>DDFL4U(E)/220</b> | 20       |
| <b>LED Voltage 220V AC/DC</b> |               |          | <b>DDFL4U(E)/440</b> | 20       |
| <b>LED Voltage 440V AC</b>    |               |          |                      |          |

#### Accessories

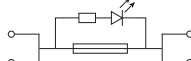
|                           | Cat. No.                                  | Std. Pk.                             | Cat. No.                                  | Std. Pk.                             |
|---------------------------|-------------------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------|
| End Plate                 | EPDDL4U                                   | 50                                   | EPDDL4U                                   | 50                                   |
| DIN Rail                  | 2511120<br>CA701-15/S<br>2511160          | 20<br>20<br>10                       | 2511120<br>CA701-15/S<br>2511160          | 20<br>20<br>10                       |
| End Stop                  | CA702<br>CA802<br>CA202                   | 50<br>50<br>25                       | CA702<br>CA802<br>CA202                   | 50<br>50<br>25                       |
| Internal Jumper           | CA729/2<br>CA729/3<br>CA729/4<br>CA729/10 | 100<br>50<br>50<br>10                | CA729/2<br>CA729/3<br>CA729/4<br>CA729/10 | 100<br>50<br>50<br>10                |
| Insulated Internal Jumper | CA749/2<br>CA749/3<br>CA749/4<br>CA749/10 | 100<br>50<br>50<br>10                | CA749/2<br>CA749/3<br>CA749/4<br>CA749/10 | 100<br>50<br>50<br>10                |
| External Jumper           | CA711/2<br>CA711/3<br>CA711/4<br>CA711/10 | 100<br>50<br>50<br>20                | CA711/2<br>CA711/3<br>CA711/4<br>CA711/10 | 100<br>50<br>50<br>20                |
| Marking Tag               | MT8<br>MT2                                | 1 Pk. (100 tags)<br>1 Pk. (100 tags) | MT8<br>MT2                                | 1 Pk. (100 tags)<br>1 Pk. (100 tags) |

### DOUBLE LEVEL FUSE BLOCKS, 5 x 20 / 5 x 25 mm WITH 2 CONNECTION POINTS

#### DDFL4ULR



#### DDFL4U(E)LR/XX



#### Dimensions & Weight

| Width             | 8 mm                      | 8 mm               |
|-------------------|---------------------------|--------------------|
| Length            | 88 mm                     | 88 mm              |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 67.4 mm<br>74.3 mm |
| Weight per piece  | 24.5 g                    | 27.0 g             |

#### Technical Data/Ratings

| Approvals                    |                  |                       |
|------------------------------|------------------|-----------------------|
| Wire Size (solid / stranded) | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V            | 800 V AC/DC           |
| Current Rating (top)         | 6.3 A            | 6.3 A                 |
| Torque                       | 7 lb-in          | 0.5 Nm                |
| Insulation Material          | Polyamide 66     |                       |

#### Fuse Specifications

|                       |                     |                            |
|-----------------------|---------------------|----------------------------|
| Fuse Type             | 5x20 mm / 5 x 25 mm | 5x20 mm / 5 x 25 mm        |
| LED Indicator Voltage | -                   | 24V, 48V, 110V, 220V, 440V |

#### Installation Instructions

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | 9.5 mm                 | 9.5 mm                 |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                               | Cat. No.        | Std. Pk. | Cat. No.               | Std. Pk. |
|-------------------------------|-----------------|----------|------------------------|----------|
| <b>Grey</b>                   | <b>DDFL4ULR</b> | 20       | <b>DDFL4U(E)LR/24</b>  | 20       |
| <b>LED Voltage 24V AC/DC</b>  |                 |          | <b>DDFL4U(E)LR/48</b>  | 20       |
| <b>LED Voltage 48V AC/DC</b>  |                 |          | <b>DDFL4U(E)LR/110</b> | 20       |
| <b>LED Voltage 110V AC/DC</b> |                 |          | <b>DDFL4U(E)LR/220</b> | 20       |
| <b>LED Voltage 220V AC/DC</b> |                 |          | <b>DDFL4U(E)LR/440</b> | 20       |
| <b>LED Voltage 440V AC</b>    |                 |          |                        |          |

#### Accessories

|                                      | Cat. No.                                  | Std. Pk.                             | Cat. No.                                  | Std. Pk.                             |
|--------------------------------------|-------------------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------|
| End Plate                            | EPDDL4U                                   | 50                                   | EPDDL4U                                   | 50                                   |
| DIN Rail                             | 2511120<br>CA701-15/S<br>2511160          | 20<br>20<br>10                       | 2511120<br>CA701-15/S<br>2511160          | 20<br>20<br>10                       |
| End Stop                             | CA702<br>CA802<br>CA202                   | 50<br>50<br>25                       | CA702<br>CA802<br>CA202                   | 50<br>50<br>25                       |
| Internal Jumper                      | CA729/2<br>CA729/3<br>CA729/4<br>CA729/10 | 100<br>50<br>50<br>10                | CA729/2<br>CA729/3<br>CA729/4<br>CA729/10 | 100<br>50<br>50<br>10                |
| Insulated Internal Jumper            | CA749/2<br>CA749/3<br>CA749/4<br>CA749/10 | 100<br>50<br>50<br>10                | CA749/2<br>CA749/3<br>CA749/4<br>CA749/10 | 100<br>50<br>50<br>10                |
| External Jumper                      | CA711/2<br>CA711/3<br>CA711/4<br>CA711/10 | 100<br>50<br>50<br>20                | CA711/2<br>CA711/3<br>CA711/4<br>CA711/10 | 100<br>50<br>50<br>20                |
| Marking Tag  on terminal<br>on lever | MT8<br>MT2                                | 1 Pk. (100 tags)<br>1 Pk. (100 tags) | MT8<br>MT2                                | 1 Pk. (100 tags)<br>1 Pk. (100 tags) |

## HIGHLIGHTS

### FEATURES

- Modified version of **DDFL4U** with 2 equipotential
- **DDFL4U(E)** version with LED for blown fuse indication in various voltages
- Blocks can be used in AC & DC applications

### APPLICATIONS

- Control Circuits with multi wire fuse application



# FUSE BLOCKS

SCREW TERMINAL BLOCKS

FUSE BLOCKS, 1/4 x 1 and 1/4 x 1 1/4 in.

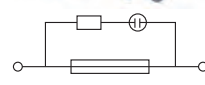
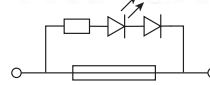
## HIGHLIGHTS

### FEATURES

- **CAFL4U** Series accepts 1/4" x 1-1/4" (6.3x32mm) fuse types
- **CAFL4U(L)** versions with LED for blown fuse indication (24V, 48V, 110V, 220V)
- **CAFL4U(N)** version with Neon bulb for blown fuse indication
- Large marking area
- Blocks can be used in AC & DC applications

### APPLICATIONS

- Control systems with 1/4" x 1-1/4" fuse protection



### Dimensions & Weight

|                    | CAFL4U                    | CAFL4U(L)/XX       | CAFL4U(N)          |
|--------------------|---------------------------|--------------------|--------------------|
| Width              | 9 mm                      | 9 mm               | 9 mm               |
| Length             | 72 mm                     | 72 mm              | 72 mm              |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 55.3 mm<br>63.0 mm | 55.3 mm<br>63.0 mm |
| Weight per piece   | 20.5 g                    | 20.5 g             | 20.5 g             |

### Technical Data/Ratings

| Approvals                    | CAFL4U       |                       | CAFL4U(L)/XX |                       | CAFL4U(N)    |                       |
|------------------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|
|                              | UL E220514   | IEC 60947-7-3         | UL E220514   | IEC 60947-7-3         | UL E220514   | IEC 60947-7-3         |
| Wire Size (solid / stranded) | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000 V                | 600 V        | 1000 V                | 600 V        | 1000 V                |
| Current Rating               | 16 A         | 6.3 A                 | 16 A         | 6.3 A                 | 16 A         | 6.3 A                 |
| Torque                       | 7 lb-in      | 0.5 Nm                | 7 lb-in      | 0.5 Nm                | 7 lb-in      | 0.5 Nm                |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                       | Polyamide 66 |                       |

### Installation Instructions

|                       | CAFL4U                 | CAFL4U(L)/XX           | CAFL4U(N)              |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9.5 mm                 | 9.5 mm                 | 9.5 mm                 |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

### Fuse Specifications

|                            | CAFL4U                  | CAFL4U(L)/XX            | CAFL4U(N)               |
|----------------------------|-------------------------|-------------------------|-------------------------|
| Fuse Type                  | 1/4" x 1" (6.3 x 32 mm) | 1/4" x 1" (6.3 x 32 mm) | 1/4" x 1" (6.3 x 32 mm) |
| LED/Neon Indicator Voltage | -                       | 24V, 48V, 110V, 220V    | 110V - 240V             |

### Terminal Blocks

|                          | Cat. No.      | Std. Pk. | Cat. No.             | Std. Pk. | Cat. No.         | Std. Pk. |
|--------------------------|---------------|----------|----------------------|----------|------------------|----------|
| <b>Grey (standard)</b>   | <b>CAFL4U</b> | 25       | -                    | -        | -                | -        |
| Blue BU                  | CAFL4U/BU     | 25       | -                    | -        | -                | -        |
| Black BL                 | CAFL4U/BL     | 25       | -                    | -        | -                | -        |
| LED Voltage 24V AC/DC    | -             | -        | <b>CAFL4U(L)/24</b>  | 25       | -                | -        |
| LED Voltage 48V AC/DC    | -             | -        | <b>CAFL4U(L)/48</b>  | 25       | -                | -        |
| LED Voltage 110V AC/DC   | -             | -        | <b>CAFL4U(L)/110</b> | 25       | -                | -        |
| LED Voltage 220V AC/DC   | -             | -        | <b>CAFL4U(L)/220</b> | 25       | -                | -        |
| Neon Bulb 110-300V AC/DC | -             | -        | -                    | -        | <b>CAFL4U(N)</b> | 25       |

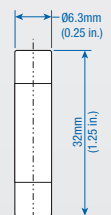
### Accessories

|                 | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|-----------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate       | EPCAFL4U   | 50               | EPCAFL4U   | 50               | EPCAFL4U   | 50               |
| DIN Rail        | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                 | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                 | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| End Stop        | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                 | CA802      | 50               | CA802      | 50               | CA802      | 50               |
|                 | CA202      | 25               | CA202      | 25               | CA202      | 25               |
|                 | CA202      | 25               | CA202      | 25               | CA202      | 25               |
| External Jumper | CA716/2    | 50               | CA716/2    | 50               | CA716/2    | 50               |
|                 | CA716/3    | 50               | CA716/3    | 50               | CA716/3    | 50               |
|                 | CA716/4    | 50               | CA716/4    | 50               | CA716/4    | 50               |
|                 | CA716/10   | 20               | CA716/10   | 20               | CA716/10   | 20               |
|                 | CA716/10   | 20               | CA716/10   | 20               | CA716/10   | 20               |
| Marking Tag     | MT9        | 1 Pk. (100 tags) | MT9        | 1 Pk. (100 tags) | MT9        | 1 Pk. (100 tags) |

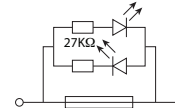
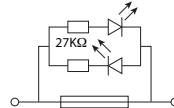
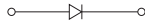
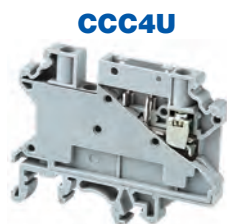
**Fuses**  
1/4" x 1-1/4"  
(6.3 x 32mm)



| Current Rating | Slow Blow Cat. No | Fast Blow Cat. No | Current Rating | Slow Blow Cat. No | Fast Blow Cat. No |
|----------------|-------------------|-------------------|----------------|-------------------|-------------------|
| 0.1A           | 0.1M6.3x32T       | 0.1M6x32F         | 4.0A           | 4.0M6.3x32T       | 4.0M6x32F         |
| 0.2A           | 0.2M6.3x32T       | 0.2M6x32F         | 5.0A           | 5.0M6.3x32T       | 5.0M6x32F         |
| 0.5A           | 0.5M6.3x32T       | 0.5M6x32F         | 6.3A           | 6.3M6.3x32T       | 6.3M6x32F         |
| 1.0A           | 1.0M6.3x32T       | 1.0M6x32F         | 8.0A           | 8.0M6.3x32T       | 8.0M6x32F         |
| 2.0A           | 2.0M6.3x32T       | 2.0M6x32F         | 10.0A          | 10.0M6.3x32T      | 10.0M6x32F        |



### COMPONENT CARRIER TERMINAL BLOCKS



#### Dimensions

| Width             | 6 mm                      | 6 mm             | 6 mm  | 6 mm  |
|-------------------|---------------------------|------------------|-------|-------|
| Length            | 58.5 mm                   | 28 mm            | 28 mm | 28 mm |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 46 mm<br>53.5 mm | 35 mm | 35 mm |
| Weight per piece  | 10.2 g                    | 3.8 g            | 3.8 g | 4.2 g |

#### Technical Data/Ratings

| Approvals                    |                                               |           |                       |           |                       |           |                       |  |
|------------------------------|-----------------------------------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|--|
| Wire Size (solid   stranded) | 0.2-6 mm <sup>2</sup>   0.2-4 mm <sup>2</sup> | 24-10 AWG | 0.2-4 mm <sup>2</sup> | 24-10 AWG | 0.2-4 mm <sup>2</sup> | 24-10 AWG | 0.2-4 mm <sup>2</sup> |  |
| Voltage Rating               | 1000 V AC/DC                                  | 600 V     | 1000V AC/DC           | 600 V     | 1000V AC/DC           | 600 V     | 1000V AC/DC           |  |
| Current Rating               | *                                             | 1 A       | 1 A                   | 10 A      | 10 A                  | 10 A      | 10 A                  |  |
| Insulation Material          | Polyamide 66                                  |           |                       |           |                       |           |                       |  |

#### Carrier Specifications

|                       |                        |                                             |                              |                                                    |
|-----------------------|------------------------|---------------------------------------------|------------------------------|----------------------------------------------------|
| Component Type        | Component carrier base | Plug module with diode<br>Diode Type IN4007 | Plug module for 5x20 mm fuse | Plug module for 5x20 mm fuse<br>with LED indicator |
| LED Indicator Voltage | -                      | -                                           | -                            | 6-60V AC/DC<br>110-240V AC/DC                      |

#### Installation Instructions

|                       |                        |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 10 mm                  | 10 mm                  | 10 mm                  |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.            | Std. Pk. |
|------------------------|--------------|----------|------------|----------|------------------|----------|---------------------|----------|
| <b>Grey (standard)</b> | <b>CCC4U</b> | 50       | <b>CPF</b> | 50       | <b>CPFL6-60V</b> | 50       | <b>CPFL110-240V</b> | 50       |

#### Accessories

|                  | Cat. No.                                          | Std. Pk.                                               | Cat. No.                      | Std. Pk.         | Cat. No. | Std. Pk.         | Cat. No. | Std. Pk.         |
|------------------|---------------------------------------------------|--------------------------------------------------------|-------------------------------|------------------|----------|------------------|----------|------------------|
| DIN Rail         | 2511120<br>CA701-15/S                             | 20<br>10                                               | -                             | -                | -        | -                | -        | -                |
| End Stop         | CA702<br>CA802<br>CA103                           | 50<br>50<br>50                                         | -                             | -                | -        | -                | -        | -                |
| Internal Jumpers | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10 | -                | -        | -                | -        | -                |
| Marking Tag      | MT6                                               | 1 Pk. (100 tags)                                       | MT6                           | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) |

\* Current Rating is based on plug used.

### 10x38 Midget Fuse Holders



| Pole Configuration             | Without Indication | With LED Indication | Fuse Size | Max Voltage & Current |                  | Drawing No. |
|--------------------------------|--------------------|---------------------|-----------|-----------------------|------------------|-------------|
|                                |                    |                     |           | IEC                   | UL               |             |
| <b>PCF 10 &amp; PCF 10 LED</b> |                    |                     |           |                       |                  |             |
| 1-pole                         | 002550001          | 002550011           | 10x38     | 690V AC / 32A         | 600V AC/DC / 30A | 1           |
| 1-pole+N                       | 002550002          | 002550012           | 10x38     | 690V AC / 32A         | 600V AC/DC / 30A | 1           |
| 2-pole                         | 002550003          | 002550013           | 10x38     | 690V AC / 32A         | 600V AC/DC / 30A | 1           |
| 3-pole                         | 002550004          | 002550014           | 10x38     | 690V AC / 32A         | 600V AC/DC / 30A | 1           |
| 3-pole+N                       | 002550005          | 002550015           | 10x38     | 690V AC / 32A         | 600V AC/DC / 30A | 1           |
| <b>EFD 10 &amp; EFD 10 LED</b> |                    |                     |           |                       |                  |             |
| ▶ 1-pole                       | 002540001          | 002540011           | 10x38     | 690V AC/DC / 32A      | 600V AC/DC / 30A | 2           |
| ▶ 1-pole+N                     | 002540002          | 002540012           | 10x38     | 690V AC/DC / 32A      | 600V AC/DC / 30A | 2           |
| ▶ 2-pole                       | 002540003          | 002540013           | 10x38     | 690V AC/DC / 32A      | 600V AC/DC / 30A | 2           |
| ▶ 3-pole                       | 002540004          | 002540014           | 10x38     | 690V AC/DC / 32A      | 600V AC/DC / 30A | 2           |
| ▶ 3-pole+N                     | 002540005          | 002540015           | 10x38     | 690V AC/DC / 32A      | 600V AC/DC / 30A | 2           |

### CC Type and J Type Fuse Holders



| Pole Configuration                        | Without Indication | With LED Indication | Fuse Size | SCR    | UL Rating        | Drawing No. |
|-------------------------------------------|--------------------|---------------------|-----------|--------|------------------|-------------|
|                                           |                    |                     |           |        | Voltage/Amp.     |             |
| <b>PCF CC &amp; PCF CC LED</b>            |                    |                     |           |        |                  |             |
| 1-pole                                    | 002550101          | 002550111           | CC Type   | 200 kA | 600V AC/DC / 30A | 1           |
| 2-pole                                    | 002550103          | 002550113           | CC Type   | 200 kA | 600V AC/DC / 30A | 1           |
| 3-pole                                    | 002550104          | 002550114           | CC Type   | 200 kA | 600V AC/DC / 30A | 1           |
| <b>EFD CC &amp; EFD CC LED</b>            |                    |                     |           |        |                  |             |
| ▶ 1-pole                                  | 002540101          | 002540111           | CC Type   | 200 kA | 600V AC / 30A    | 2           |
| ▶ 2-pole                                  | 002540103          | 002540113           | CC Type   | 200 kA | 600V AC / 30A    | 2           |
| ▶ 3-pole                                  | 002540104          | 002540114           | CC Type   | 200 kA | 600V AC / 30A    | 2           |
| <b>EFD J30 DC &amp; EFD J30 10 DC LED</b> |                    |                     |           |        |                  |             |
| ▶ 1-pole                                  | 002570101          | 002570111           | J-TYPE    | 200 kA | 600V AC/DC / 30A | 3           |
| ▶ 2-pole                                  | 002570103          | 002570113           | J-TYPE    | 200 kA | 600V AC/DC / 30A | 3           |
| ▶ 3-pole                                  | 002570104          | 002570114           | J-TYPE    | 200 kA | 600V AC/DC / 30A | 3           |

### PV Type Fuse Holders



| Pole Configuration                   | Without Indication | With LED Indication | Fuse Size | Max Voltage & Current |                | Drawing No. |
|--------------------------------------|--------------------|---------------------|-----------|-----------------------|----------------|-------------|
|                                      |                    |                     |           | IEC                   | UL             |             |
| <b>PCF 10 DC &amp; PCF 10 DC LED</b> |                    |                     |           |                       |                |             |
| 1-pole                               | 002550201          | 002550211           | 10x38     | 1000V DC / 25A        | 1000V DC / 25A | 1           |
| 2-pole                               | 002550203          | 002550213           | 10x38     | 1000V DC / 25A        | 1000V DC / 25A | 1           |
| <b>EFH 10 DC &amp; EFH 10 DC LED</b> |                    |                     |           |                       |                |             |
| ▶ 1-pole                             | 002540201          | 002540211           | 10x38     | 1000V DC / 25A        | 1000V DC / 25A | 2           |
| ▶ 2-pole                             | 002540203          | 002540213           | 10x38     | 1000V DC / 25A        | 1000V DC / 25A | 2           |
| <b>EFH 14 DC &amp; EFH 14 DC LED</b> |                    |                     |           |                       |                |             |
| ▶ 1-pole                             | 002560201          | 002560211           | 14x51     | 1000V DC / 50A        | 1000V DC / 50A | 3           |
| ▶ 2-pole                             | 002560203          | 002560213           | 14x51     | 1000V DC / 50A        | 1000V DC / 50A | 3           |

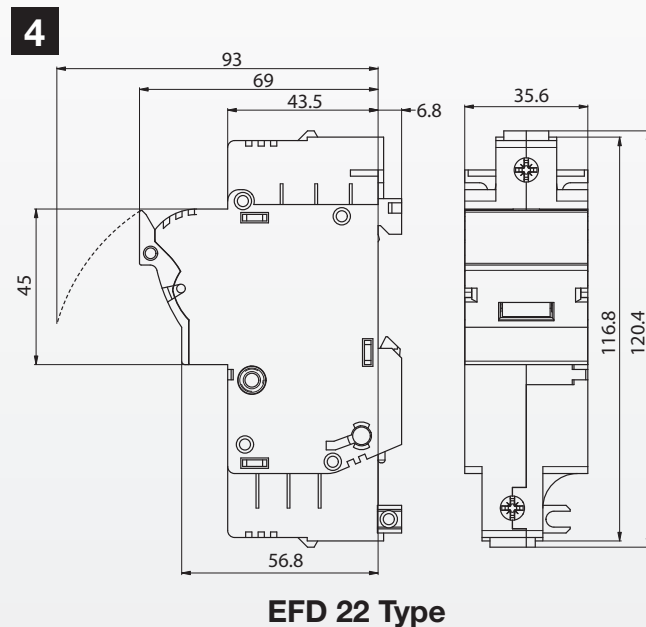
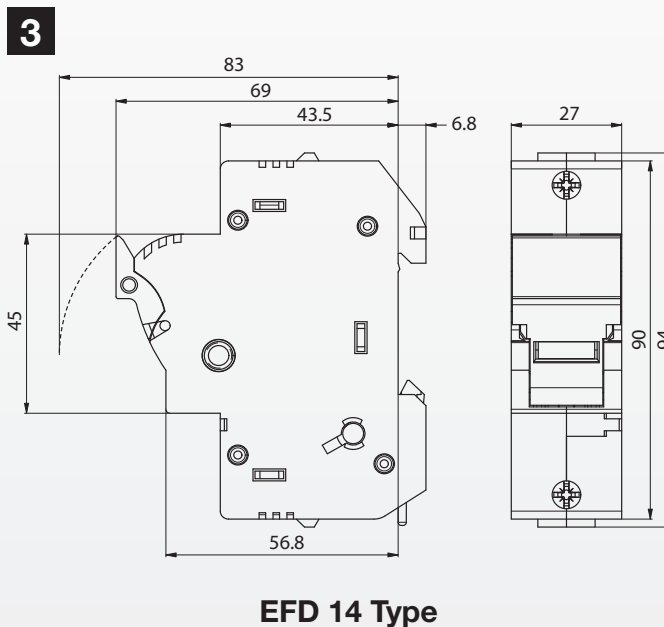
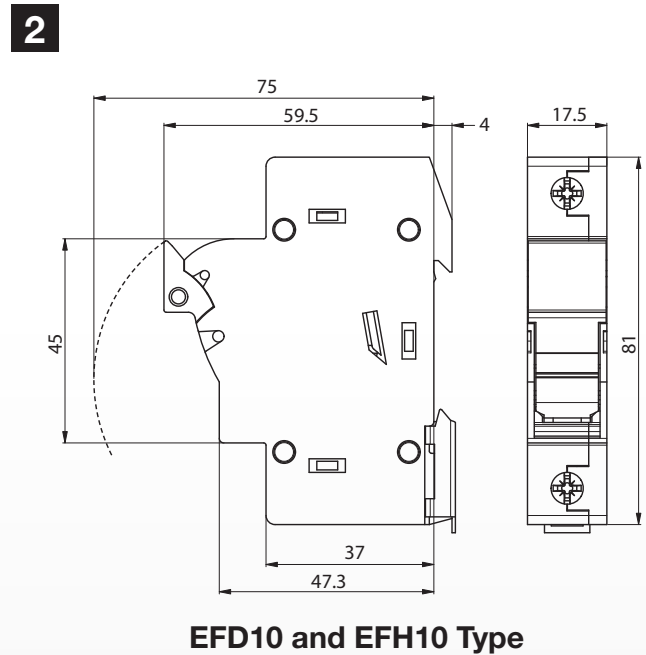
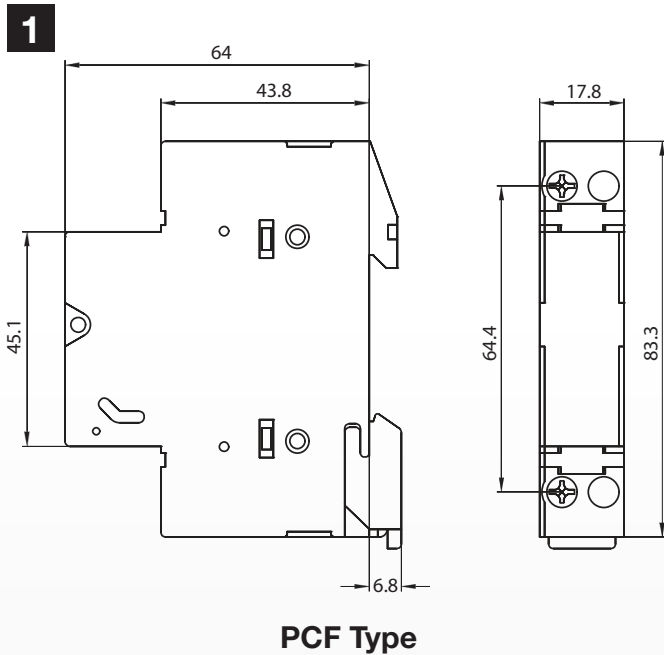
### IEC Type Fuse Holders



| Pole Configuration             | Without Indication | With LED Indication | Fuse Size | Max Voltage & Current |                   | Drawing No. |
|--------------------------------|--------------------|---------------------|-----------|-----------------------|-------------------|-------------|
|                                |                    |                     |           | IEC                   | UL                |             |
| <b>EFD 14 &amp; EFD 14 LED</b> |                    |                     |           |                       |                   |             |
| ▶ 1-pole                       | 002560001          | 002560011           | 14x51     | 690V AC / 50A         | 600V AC/DC / 50A  | 3           |
| ▶ 1-pole+N                     | 002560002          | 002560012           | 14x51     | 690V AC / 50A         | 600V AC/DC / 50A  | 3           |
| ▶ 2-pole                       | 002560003          | 002560013           | 14x51     | 690V AC / 50A         | 600V AC/DC / 50A  | 3           |
| ▶ 3-pole                       | 002560004          | 002560014           | 14x51     | 690V AC / 50A         | 600V AC/DC / 50A  | 3           |
| ▶ 3-pole+N                     | 002560005          | 002560015           | 14x51     | 690V AC / 50A         | 600V AC/DC / 50A  | 3           |
| <b>EFD 22 &amp; EFD 22 LED</b> |                    |                     |           |                       |                   |             |
| ▶ 1-pole                       | 002570001          | 002570011           | 22x58     | 690V AC / 100A        | 600V AC/DC / 100A | 4           |
| ▶ 1-pole+N                     | 002570002          | 002570012           | 22x58     | 690V AC / 100A        | 600V AC/DC / 100A | 4           |
| ▶ 2-pole                       | 002570003          | 002570013           | 22x58     | 690V AC / 100A        | 600V AC/DC / 100A | 4           |
| ▶ 3-pole                       | 002570004          | 002570014           | 22x58     | 690V AC / 100A        | 600V AC/DC / 100A | 4           |
| ▶ 3-pole+N                     | 002570005          | 002570015           | 22x58     | 690V AC / 100A        | 600V AC/DC / 100A | 4           |



## FUSE HOLDERS, 10 x 38 mm and CC Type



**NOTE:** All dimensions are shown in millimeters. To convert to inches multiply by 0.03937

### Accessories for The Modular Type PCF, EFD and EFH

Modular fuse holders have a unique user configurable feature. By using the modular snap kit (parts sold individually) a customer can configure any pole configuration by inserting the connecting element (3 per pole) into the slot in the side of the fuse holder and then pushing them together and inserting the connecting shaft into the handle.

**NOTE:** 1 kit suffices for the assembly of 50 sets.



#### 2 Pole Connection Kits

| Model No. | Usable with                                          |
|-----------|------------------------------------------------------|
| 002540948 | EFD 8, EFD 10, EFH 10, PCF 8, PCF 10, EFD CC, PCF CC |
| 002560948 | EFD 14, EFH 14                                       |
| 002570948 | EFD 22, EFD J30                                      |

#### 3 Pole Connection Kits

| Model No. | Usable with                                  |
|-----------|----------------------------------------------|
| 002540949 | EFD 8, EFD 10, PCF 8, PCF 10, EFD CC, PCF CC |
| 002560949 | EFD 14                                       |
| 002570949 | EFD 22, EFD J30                              |

### Auxiliary Switches

| Model No. | Usable with | Type    |
|-----------|-------------|---------|
| 002559001 | PCF 10      | 1NO/1NC |
| 002569001 | EFD 14      | 1NO/1NC |
| 002579001 | EFD 22      | 1NO/1NC |

For Auxiliary switches to operate, a fuse with striker pin must be used.



# DISCONNECT & TEST

## SCREW TERMINAL BLOCKS

## DISCONNECT AND TEST TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Slider Style Disconnect Terminals
  - **CDS6U** - Standard Slider Disconnect
  - **CDS6U/TS** - Slider Disconnect with integrated testing points
  - **CDS6U/FT** - Same profile Feed-Through
- Separate Testing points allow insertion of standard test probes
- Disconnect is achieved by operating sliding link with screw driver
- **SLS2, SLS4** slide shorting link system
- **QJ8/2** - Shorting Plug

#### APPLICATIONS

- (see following page)
- Disconnect & Test Applications
  - Measuring / Control Circuits
  - Utility Instruments and Transformer Applications
  - Meter Replacement
  - External Current Measurement
  - Switch Boards

### CDS6U



|                            |                           |
|----------------------------|---------------------------|
| Slider Disconnect Terminal |                           |
| <b>Width</b>               | <b>8 mm</b>               |
| <b>Length</b>              | <b>82 mm</b>              |
| <b>Height w DIN Rail</b>   | 35 x 7.5 mm<br>35 x 15 mm |
| <b>Weight per piece</b>    | <b>33.8 g</b>             |

### CDS6U/TS



|                                                   |                    |
|---------------------------------------------------|--------------------|
| Slider Disconnect Terminal Including Test Sockets |                    |
| <b>Width</b>                                      | <b>8 mm</b>        |
| <b>Length</b>                                     | <b>82 mm</b>       |
| <b>Height w DIN Rail</b>                          | 51.0 mm<br>59.2 mm |
| <b>Weight per piece</b>                           | <b>33.8 g</b>      |

### CDS6U/FT



|                                          |                    |
|------------------------------------------|--------------------|
| Feed Through Terminal with CDS6U profile |                    |
| <b>Width</b>                             | <b>6 mm</b>        |
| <b>Length</b>                            | <b>82 mm</b>       |
| <b>Height w DIN Rail</b>                 | 51.0 mm<br>59.2 mm |
| <b>Weight per piece</b>                  | <b>21.2 g</b>      |

#### Dimensions & Weight

|                          |                           |
|--------------------------|---------------------------|
| <b>Width</b>             | <b>8 mm</b>               |
| <b>Length</b>            | <b>82 mm</b>              |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm |
| <b>Weight per piece</b>  | <b>33.8 g</b>             |

#### Technical Data/Ratings

|                              |                               |
|------------------------------|-------------------------------|
| Approvals                    | CE, IEC, UL, Lloyd's Register |
| Wire Size (solid / stranded) | <b>22-8 AWG</b>               |
| Voltage Rating               | 600 V                         |
| Current Rating               | 45 A                          |
| Torque                       | 14 lb-in                      |
| Insulation Material          | Polyamide 66                  |

|                              |                                 |
|------------------------------|---------------------------------|
| Approvals                    | UL E220514, C US, IEC 60947-7-1 |
| Wire Size (solid / stranded) | <b>22-8 AWG</b>                 |
| Voltage Rating               | 600 V                           |
| Current Rating               | 45 A                            |
| Torque                       | 14 lb-in                        |
| Insulation Material          | Polyamide 66                    |

|                              |                                 |
|------------------------------|---------------------------------|
| Approvals                    | UL E220514, C US, IEC 60947-7-1 |
| Wire Size (solid / stranded) | <b>22-8 AWG</b>                 |
| Voltage Rating               | 600 V                           |
| Current Rating               | 45 A                            |
| Torque                       | 14 lb-in                        |
| Insulation Material          | Polyamide 66                    |

|                              |                                 |
|------------------------------|---------------------------------|
| Approvals                    | UL E220514, C US, IEC 60947-7-1 |
| Wire Size (solid / stranded) | <b>22-8 AWG</b>                 |
| Voltage Rating               | 600 V                           |
| Current Rating               | 45 A                            |
| Torque                       | 14 lb-in                        |
| Insulation Material          | Polyamide 66                    |

#### Installation Instructions

|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 10 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm |

|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 10 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm |

|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 10 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm |

|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 10 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm |

#### Terminal Blocks

|                        |    |
|------------------------|----|
| <b>Grey (standard)</b> |    |
| Red                    | R  |
| Blue                   | BU |
| Black                  | BL |
| Orange                 | O  |
| Green                  | G  |
| Yellow                 | Y  |
| White                  | W  |

|              |          |
|--------------|----------|
| Cat. No.     | Std. Pk. |
| <b>CDS6U</b> | 50       |
| CDS6U/R      | 50       |
| CDS6U/BU     | 50       |
| CDS6U/BL     | 50       |
| CDS6U/O      | 50       |
| CDS6U/G      | 50       |
| CDS6U/Y      | 50       |
| CDS6U/W      | 50       |

|                 |          |
|-----------------|----------|
| Cat. No.        | Std. Pk. |
| <b>CDS6U/TS</b> | 50       |
| CDS6U/TS/R      | 50       |
| CDS6U/TS/BU     | 50       |
| CDS6U/TS/BL     | 50       |
| CDS6U/TS/O      | 50       |
| CDS6U/TS/G      | 50       |
| CDS6U/TS/Y      | 50       |
| CDS6U/TS/W      | 50       |

|                 |          |
|-----------------|----------|
| Cat. No.        | Std. Pk. |
| <b>CDS6U/FT</b> | 50       |
| CDS6U/FT/R      | 50       |
| CDS6U/FT/BU     | 50       |
| CDS6U/FT/BL     | 50       |
| CDS6U/FT/O      | 50       |
| CDS6U/FT/G      | 50       |
| CDS6U/FT/Y      | 50       |
| CDS6U/FT/W      | 50       |

#### Accessories

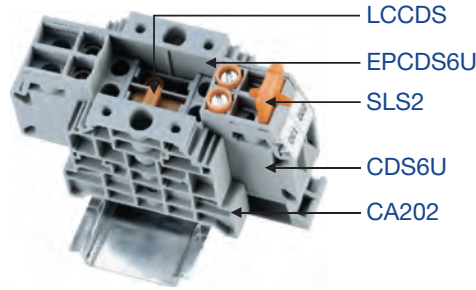
|                       |                                        |                                                 |                                 |
|-----------------------|----------------------------------------|-------------------------------------------------|---------------------------------|
| End Plate             |                                        | EPCDS6U                                         | 50                              |
| DIN Rail              | 32mm, 35mm                             | 2511120<br>CA701-15/S<br>2511160                | 20<br>20<br>10                  |
| End Stop              |                                        | CA702<br>CA802<br>CA202                         | 50<br>50<br>25                  |
| Internal Jumper       | 2 pole<br>3 pole<br>4 pole<br>10 pole  | CA723/2<br>CA723/3<br>CA723/4<br>CA723/10       | 100<br>50<br>50<br>10           |
| Slide Shorting Link   | 2 pole<br>3 pole<br>4 pole             | SLS2<br>SLS3<br>SLS4                            | 50<br>25<br>25                  |
| Insulated Test Socket | grey<br>red<br>yellow<br>blue<br>black | TPSLS<br>TPSLSR<br>TPSLSY<br>TPSLSBU<br>TPSLSBK | 100<br>100<br>100<br>100<br>100 |
| Lock Out Cap          |                                        | LCCDS                                           | 50                              |
| Shorting Plug         |                                        | QJ8/2                                           | 25                              |
| Marking Tag           |                                        | MT6                                             | 1 Pk. (100 tags)                |

|            |                  |
|------------|------------------|
| Cat. No.   | Std. Pk.         |
| EPCDS6U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA702      | 50               |
| CA802      | 50               |
| CA202      | 25               |
| CA723/2    | 100              |
| CA723/3    | 50               |
| CA723/4    | 50               |
| CA723/10   | 10               |
| SLS2       | 50               |
| SLS3       | 25               |
| SLS4       | 25               |
| TPSLS      | 100              |
| TPSLSR     | 100              |
| TPSLSY     | 100              |
| TPSLSBU    | 100              |
| TPSLSBK    | 100              |
| LCCDS      | 50               |
| QJ8/2      | 25               |
| MT6        | 1 Pk. (100 tags) |

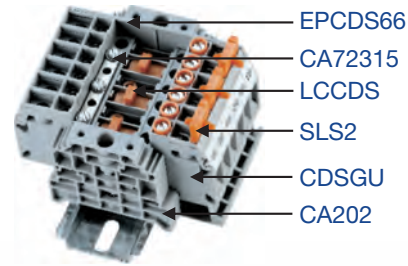
|            |                  |
|------------|------------------|
| Cat. No.   | Std. Pk.         |
| EPCDS6U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA702      | 50               |
| CA802      | 50               |
| CA202      | 25               |
| CA723/2    | 100              |
| CA723/3    | 50               |
| CA723/4    | 50               |
| CA723/10   | 10               |
| SLS2       | 50               |
| SLS3       | 25               |
| SLS4       | 25               |
| TPSLS      | 100              |
| TPSLSR     | 100              |
| TPSLSY     | 100              |
| TPSLSBU    | 100              |
| TPSLSBK    | 100              |
| LCCDS      | 50               |
| QJ8/2      | 25               |
| MT6        | 1 Pk. (100 tags) |

|            |                  |
|------------|------------------|
| Cat. No.   | Std. Pk.         |
| EPCDS6U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA702      | 50               |
| CA802      | 50               |
| CA202      | 25               |
| CA723/2    | 100              |
| CA723/3    | 50               |
| CA723/4    | 50               |
| CA723/10   | 10               |
| SLS2       | 50               |
| SLS3       | 25               |
| SLS4       | 25               |
| TPSLS      | 100              |
| TPSLSR     | 100              |
| TPSLSY     | 100              |
| TPSLSBU    | 100              |
| TPSLSBK    | 100              |
| LCCDS      | 50               |
| QJ8/2      | 25               |
| MT8        | 1 Pk. (100 tags) |

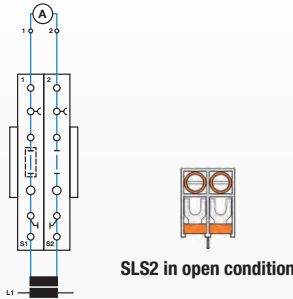
**Single Phase Current Transformer Test Circuit**



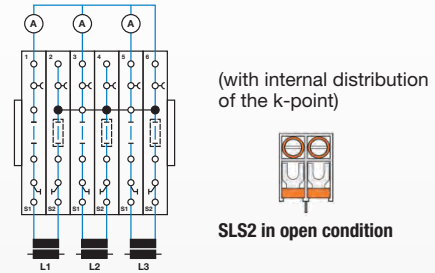
**3 Phase current Transformer Test Set**



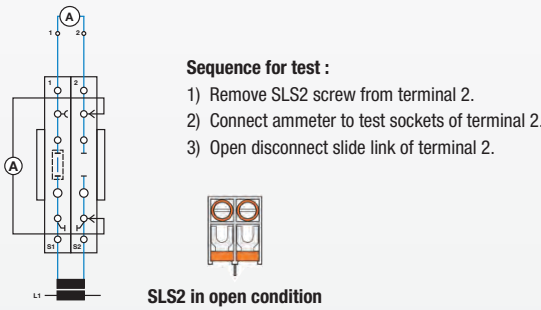
**Operating status**



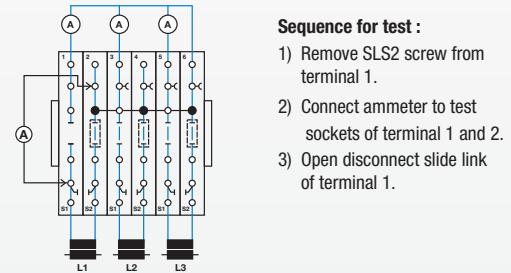
**Operating status**



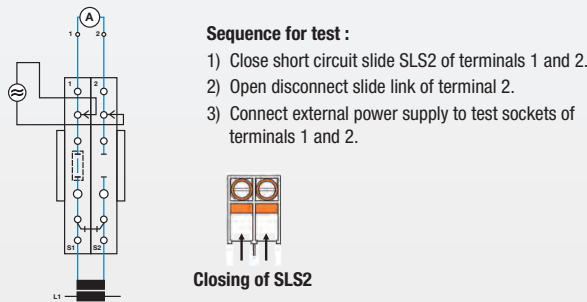
**Comparison measurement for L1**



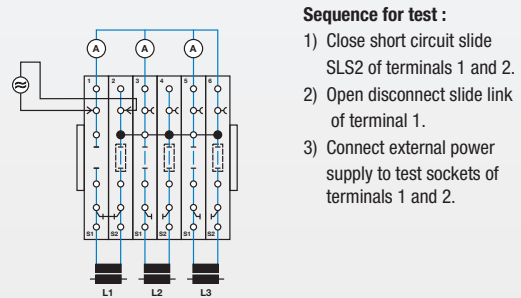
**Comparison measurement for L1**



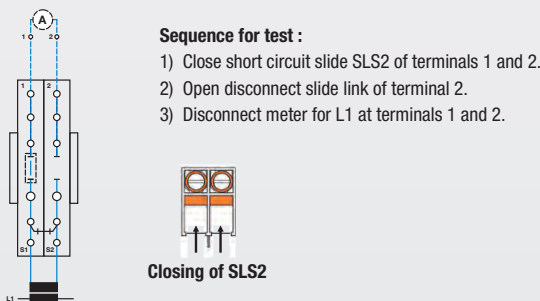
**Meter test for L1 through external power supply**



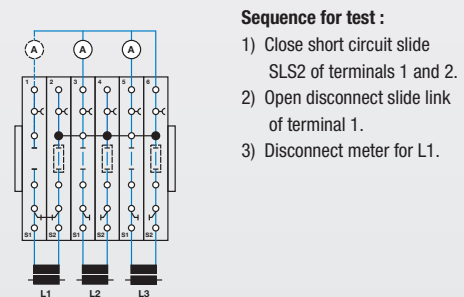
**Meter test for L1 through external power supply**



**Meter replacement**



**Meter Replacement for L1**





# DISCONNECT & TEST

SCREW TERMINAL BLOCKS

## BLADE/KNIFE STYLE DISCONNECT TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Knife / Blade Style Disconnect Terminals
  - **CKT4U** - Standard Knife Disconnect
  - **CKT4U/4** - 4 Connection Knife Disconnect
- Specially designed socket headed screws act as fast monitoring points

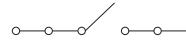
#### APPLICATIONS

- Disconnect & Test Applications

**CKT4U**



**CKT4U/4**



#### Dimensions & Weight

|                   | Knife Style Disconnect<br>2 Connections | Knife Style Disconnect<br>4 Connections |
|-------------------|-----------------------------------------|-----------------------------------------|
| <b>Width</b>      | <b>6 mm</b>                             | <b>6 mm</b>                             |
| Length            | 46.3 mm                                 | 65.0 mm                                 |
| Height w DIN Rail | 48.3 mm<br>35 x 7.5 mm<br>35 x 15 mm    | 54.3 mm<br>62.0 mm                      |
| Weight per piece  | 10.5 g                                  | 16.6 g                                  |

#### Technical Data/Ratings

| Approvals                    |              |           |                       |                  |                       |
|------------------------------|--------------|-----------|-----------------------|------------------|-----------------------|
| Wire Size (solid / stranded) | 22-10 AWG    | 22-10 AWG | 0.2-4 mm <sup>2</sup> | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 600 V     | 800 V                 | 600 V            | 800 V                 |
| Current Rating               | 35 A         | 16 A      | 28 A                  | 20 A             | 17.5 A                |
| Torque                       | 7 lb-in      | 7 lb-in   | 0.5 Nm                | 7 lb-in          | 0.5 Nm                |
| Insulation Material          | Polyamide 66 |           |                       | Polyamide 66     |                       |

#### Installation Instructions

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 8 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|--------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CKT4U</b> | 50       | <b>CKT4U/4</b> | 50       |
| Red R                  | CKT4U/R      | 50       | CKT4U/4/R      | 50       |
| Blue BU                | CKT4U/BU     | 50       | CKT4U/4/BU     | 50       |
| Black BL               | CKT4U/BL     | 50       | CKT4U/4/BL     | 50       |
| Orange O               | CKT4U/O      | 50       | CKT4U/4/O      | 50       |
| Green G                | CKT4U/G      | 50       | CKT4U/4/G      | 50       |
| Yellow Y               | CKT4U/Y      | 50       | CKT4U/4/Y      | 50       |
| White W                | CKT4U/W      | 50       | CKT4U/4/W      | 50       |

#### Accessories

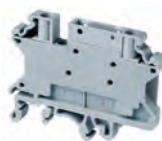
|                 | Cat. No.            | Std. Pk.         | Cat. No.   | Std. Pk.         |
|-----------------|---------------------|------------------|------------|------------------|
| End Plate       | EPCKT4U             | 50               | EPCKT4U/4  | 50               |
| DIN Rail        | 2511120             | 20               | 2511120    | 20               |
|                 | CA701-15/S          | 20               | CA701-15/S | 20               |
|                 | 2511160             | 10               | 2511160    | 10               |
| End Stop        | CA702               | 50               | CA702      | 50               |
|                 | CA802               | 50               | CA802      | 50               |
|                 | CA202               | 25               | CA202      | 25               |
| External Jumper | 2 pole<br>CA714/2   | 100              | CA714/2*   | 100              |
|                 | 3 pole<br>CA714/3   | 100              | CA714/3*   | 100              |
|                 | 4 pole<br>CA714/4   | 100              | CA714/4*   | 100              |
|                 | 10 pole<br>CA714/10 | 20               | CA714/10*  | 20               |
| Marking Tag     | MT6                 | 1 Pk. (100 tags) | MT6        | 1 Pk. (100 tags) |

\* Insulated External shorting links can be used only in the upper level clamping unit of the Terminal Block.

**CKT4SP**



**CF4SPFT**



**CF4SP**



**HIGHLIGHTS**

**FEATURES**

- Knife Style Disconnect Terminal
- **CF4SPFT** same profile Feed Through Terminal
- **CF4SP** same profile as Fuse Terminal, 5 x 20 mm Fuse Types

**APPLICATIONS**

- Control Systems with Fuse Protection
- Fused Control Circuits with alternating configurations (CF4SP, CF4SPFT, CGT4SP)
- Switch Boards

**Dimensions & Weight**

|                                                | Knife Style Disconnect<br>Same profile as CF4SP Fuse Block | Feed-Through Terminal<br>Same profile as CF4SP Fuse Block | Fuse Block<br>5x20 mm Fuse Type |
|------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| Width                                          | 6 mm                                                       | 6 mm                                                      | 8 mm                            |
| Length                                         | 58.5 mm                                                    | 58.5 mm                                                   | 57.0 mm                         |
| Height w DIN Rail<br>35 x 7.5 mm<br>35 x 15 mm | 46.0 mm<br>53.5 mm                                         | 46.0 mm<br>53.5 mm                                        | 50.3 mm<br>57.6 mm              |
| Weight per piece                               | 27.2 g                                                     | g                                                         | 16.9 g                          |

**Technical Data/Ratings**

| Approvals                    | UL US E220514 |                       | IEC 60947-7-1 |                       | UL US E220514 |                       | IEC 60947-7-1 |                       |
|------------------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|
| Wire Size (solid / stranded) | 24-10 AWG     | 0.2-4 mm <sup>2</sup> | 24-10 AWG     | 0.2-4 mm <sup>2</sup> | 24-10 AWG     | 0.2-4 mm <sup>2</sup> | 24-10 AWG     | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V         | 1000 V                | 600 V         | 1000 V                | 600 V         | 1000 V AC/DC          | 600 V         | 1000 V AC/DC          |
| Current Rating               | 30 A          | 28 A                  | 30 A          | 32 A                  | 10 A          | 10 A                  | 10 A          | 10 A                  |
| Torque                       | 4.5 lb-in     | 0.5 Nm                | 4.5 lb-in     | 0.5 Nm                | 4.5 lb-in     | 0.5 Nm                | 4.5 lb-in     | 0.5 Nm                |
| Insulation Material          | Polyamide 66  |                       | Polyamide 66  |                       | Polyamide 66  |                       |               |                       |

**Installation Instructions**

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 8 mm                   | 8 mm                   | 8 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|                        | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|---------------|----------|----------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>CKT4SP</b> | 50       | <b>CF4SPFT</b> | 50       | <b>CF4SP</b> | 50       |
| Red R                  | CKT4SP/R      | 50       | CF4SPFT/R      | 50       | CF4SP/BU     | 50       |
| Blue BU                | CKT4SP/BU     | 50       | CF4SPFT/BU     | 50       | CF4SP/BL     | 50       |
| Black BL               | CKT4SP/BL     | 50       | CF4SPFT/BL     | 50       |              |          |
| Orange O               | CKT4SP/O      | 50       | CF4SPFT/O      | 50       |              |          |
| Green G                | CKT4SP/G      | 50       | CF4SPFT/G      | 50       |              |          |
| Yellow Y               | CKT4SP/Y      | 50       | CF4SPFT/Y      | 50       |              |          |
| White W                | CKT4SP/W      | 50       | CF4SPFT/W      | 50       |              |          |

**Accessories**

|                           | Cat. No.           | Std. Pk.         | Cat. No.           | Std. Pk.         | Cat. No.           | Std. Pk.         |
|---------------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| DIN Rail                  | 2511120            | 20               | 2511120            | 20               | 2511120            | 20               |
|                           | CA701-15/S         | 20               | CA701-15/S         | 20               | CA701-15/S         | 20               |
|                           | 2511160            | 10               | 2511160            | 10               | 2511160            | 10               |
| End Stop                  | CA702              | 50               | CA702              | 50               | -                  | -                |
|                           | CA802              | 50               | CA802              | 50               | -                  | -                |
|                           | CA202              | 25               | CA202              | 25               | -                  | -                |
| Internal Jumper           | 2 pole CA722/2     | 100              | 2 pole CA722/2     | 100              | 2 pole CA722/2     | 100              |
|                           | 3 pole CA722/3     | 100              | 3 pole CA722/3     | 100              | 3 pole CA722/3     | 100              |
|                           | 4 pole CA722/4     | 100              | 4 pole CA722/4     | 100              | 4 pole CA722/4     | 100              |
|                           | 10 pole CA722/10   | 10               | 10 pole CA722/10   | 10               | 10 pole CA722/10   | 10               |
|                           | 100 pole CA722/100 | 10               | 100 pole CA722/100 | 10               | 100 pole CA722/100 | 10               |
| Insulated Internal Jumper | 2 pole CA742/2     | 100              | 2 pole CA742/2     | 100              | 2 pole CA742/2     | 100              |
|                           | 3 pole CA742/3     | 100              | 3 pole CA742/3     | 100              | 3 pole CA742/3     | 100              |
|                           | 4 pole CA742/4     | 100              | 4 pole CA742/4     | 100              | 4 pole CA742/4     | 100              |
|                           | 10 pole CA742/10   | 10               | 10 pole CA742/10   | 10               | 10 pole CA742/10   | 10               |
|                           | 100 pole CA742/100 | 10               | 100 pole CA742/100 | 10               | 100 pole CA742/100 | 10               |
| External Jumper           | 2 pole CA714/2     | 100              | 2 pole CA714/2     | 100              | 2 pole CA714/2     | 100              |
|                           | 3 pole CA714/3     | 100              | 3 pole CA714/3     | 100              | 3 pole CA714/3     | 100              |
|                           | 4 pole CA714/4     | 100              | 4 pole CA714/4     | 100              | 4 pole CA714/4     | 100              |
|                           | 10 pole CA714/10   | 20               | 10 pole CA714/10   | 20               | 10 pole CA714/10   | 20               |
| Marking Tag               | MT6                | 1 Pk. (100 tags) | MT6                | 1 Pk. (100 tags) | MT6                | 1 Pk. (100 tags) |

# DISCONNECT & TEST

## SCREW TERMINAL BLOCKS

## SLIDER STYLE DISCONNECT TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Slider Style Disconnect Terminals
  - **CDTTU** - Standard Slider Disconnect
  - **CDTTU-SH** - Double Disconnect Terminal
  - **CDTTUFT** - Same profile Feed-Through
- Specially designed socket headed screws act as fast monitoring points
- Disconnect is achieved by operating sliding link with screw driver

#### APPLICATIONS

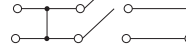
- Disconnect & Test Applications

#### CDTTU



Slider Disconnect Terminal

#### CDTTU-SH



Slider Double Disconnect Terminal

#### CDTTUFT



Feed Through Terminal Slider Disconnect Profile

#### Dimensions & Weight

|                    | CDTTU                     | CDTTU-SH           | CDTTUFT            |
|--------------------|---------------------------|--------------------|--------------------|
| Width              | 8 mm                      | 16 mm              | 8 mm               |
| Length             | 63 mm                     | 63 mm              | 63 mm              |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 58.7 mm<br>65.7 mm | 58.7 mm<br>65.7 mm |
| Weight per piece   | 28.5 g                    | 59.2 g             | 27.1 g             |

#### Technical Data/Ratings

| Approvals                    |                                   |  |              |          |                        |                                   |  |
|------------------------------|-----------------------------------|--|--------------|----------|------------------------|-----------------------------------|--|
| Wire Size (solid / stranded) | 16-8 AWG / 1.5-10 mm <sup>2</sup> |  | 16-8 AWG     | 16-8 AWG | 1.5-10 mm <sup>2</sup> | 16-8 AWG / 1.5-10 mm <sup>2</sup> |  |
| Voltage Rating               | 600 V / 800 V                     |  | 300 V        | 300 V    | 160 V                  | 600 V / 800 V                     |  |
| Current Rating               | 41 A / 57 A                       |  | 25 A         | 25 A     | 10 A                   | 41 A / 57 A                       |  |
| Torque                       | 14 lb-in / 1.2 Nm                 |  | 14 lb-in     | 14 lb-in | 1.2 Nm                 | 14 lb-in / 1.2 Nm                 |  |
| Insulation Material          | Polyamide 66                      |  | Polyamide 66 |          |                        | Polyamide 66                      |  |

#### Installation Instructions

| Wire Stripping Length | CDTTU                  | CDTTU-SH | CDTTUFT |
|-----------------------|------------------------|----------|---------|
|                       | 12 mm                  | 12 mm    | 12 mm   |
| Screwdriver           | Flat Head 1.0 x 5.5 mm |          |         |

#### Terminal Blocks

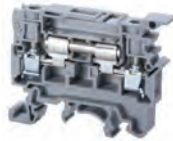
|                        | Cat. No.     | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|--------------|----------|-----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CDTTU</b> | 50       | <b>CDTTU-SH</b> | 20       | <b>CDTTUFT</b> | 50       |
| Red R                  | CDTTU/R      | 50       | CDTTU-SH/R      | 20       | CDTTUFT/R      | 50       |
| Blue BU                | CDTTU/BU     | 50       | CDTTU-SH/BU     | 20       | CDTTUFT/BU     | 50       |
| Black BL               | CDTTU/BL     | 50       | CDTTU-SH/BL     | 20       | CDTTUFT/BL     | 50       |
| Orange O               | CDTTU/O      | 50       | CDTTU-SH/O      | 20       | CDTTUFT/O      | 50       |
| Green G                | CDTTU/G      | 50       | CDTTU-SH/G      | 20       | CDTTUFT/G      | 50       |
| Yellow Y               | CDTTU/Y      | 50       | CDTTU-SH/Y      | 20       | CDTTUFT/Y      | 50       |
| White W                | CDTTU/W      | 50       | CDTTU-SH/W      | 20       | CDTTUFT/W      | 50       |

#### Accessories

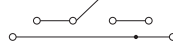
|                        | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|------------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate              | EPCDTTU    | 50               | EPCDTTU    | 50               | EPCDTTU    | 50               |
| DIN Rail               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                        | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                        | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| End Stop               | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                        | CA802      | 50               | CA802      | 50               | CA802      | 50               |
|                        | CA202      | 25               | CA202      | 25               | CA202      | 25               |
| Shorting Plug 2 pole   | QJ8/2      | 25               | QJ8/2      | 25               | QJ8/2      | 25               |
| External Jumper 2 pole | CA710/2    | 100              | CA710/2    | 100              | CA710/2    | 100              |
|                        | CA710/3    | 50               | CA710/3    | 50               | CA710/3    | 50               |
|                        | CA710/4    | 50               | CA710/4    | 50               | CA710/4    | 50               |
|                        | CA710/10   | 20               | CA710/10   | 20               | CA710/10   | 20               |
| Shorting Plug          | QJ8/2      | 25               | -          | -                | QJ8/2      | 25               |
| Marking Tag            | MT8        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) |

### LEVER STYLE DISCONNECT TERMINAL BLOCKS

#### CSDL4U



#### DDDL4U



#### Dimensions & Weight

|                   | Lever Style Disconnect    | Lever Style Disconnect<br>Bottom Level Feed Through |
|-------------------|---------------------------|-----------------------------------------------------|
| Width             | 8 mm                      | 8 mm                                                |
| Length            | 58 mm                     | 88 mm                                               |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 67.4 mm<br>74.3 mm                                  |
| Weight per piece  | 15.0 g                    | 27.0 g                                              |

#### Technical Data/Ratings

| Approvals                    |               |                       |               |              |                       |
|------------------------------|---------------|-----------------------|---------------|--------------|-----------------------|
| Wire Size (solid / stranded) | 22-10 AWG     | 0.2-4 mm <sup>2</sup> | 22-10 AWG     | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V         | 1000 V                | 600 V         | 600 V        | 800 V                 |
| Current Rating               | Top<br>Bottom | 14 A<br>-             | 6.3 A<br>35 A | 14 A<br>32 A | 10 A<br>32 A          |
| Torque                       | 7 lb-in       | 0.5 Nm                | 7 lb-in       | 7 lb-in      | 0.5 Nm                |
| Insulation Material          | Polyamide 66  |                       | Polyamide 66  |              |                       |

#### Installation Instructions

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | 9.5 mm                 | 9.5 mm                 |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. |
|------------------------|---------------|----------|---------------|----------|
| <b>Grey (standard)</b> | <b>CSDL4U</b> | 100      | <b>DDDL4U</b> | 20       |
| Red R                  | CSDL4U/R      | 100      | DDDL4U/R      | 20       |
| Blue BU                | CSDL4U/BU     | 100      | DDDL4U/BU     | 20       |
| Black BL               | CSDL4U/BL     | 100      | DDDL4U/BL     | 20       |
| Orange O               | CSDL4U/O      | 100      | DDDL4U/O      | 20       |
| Green G                | CSDL4U/G      | 100      | DDDL4U/G      | 20       |
| Yellow Y               | CSDL4U/Y      | 100      | DDDL4U/Y      | 20       |
| White W                | CSDL4U/W      | 100      | DDDL4U/W      | 20       |

#### Accessories

|                      | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |     |
|----------------------|------------|------------------|------------|------------------|-----|
| End Plate            | EPCSFL4U   | 50               | EPDDL4U    | 50               |     |
| Isolation Partition  | PPCSFL4U   | 50               | -          | -                |     |
| DIN Rail             | 2511120    | 20               | 2511120    | 20               |     |
|                      | CA701-15/S | 20               | CA701-15/S | 20               |     |
|                      | 2511160    | 10               | 2511160    | 10               |     |
| End Stop             | CA702      | 50               | CA702      | 50               |     |
|                      | CA802      | 50               | CA802      | 50               |     |
|                      | CA202      | 50               | CA202      | 50               |     |
| Internal Jumper      | 2 pole     | -                | CA729/2    | 100              |     |
|                      | 3 pole     | -                | CA729/3    | 50               |     |
|                      | 4 pole     | -                | CA729/4    | 50               |     |
|                      | 10 pole    | -                | CA729/10   | 10               |     |
| Insulated Jumper     | 2 pole     | -                | CA749/2    | 100              |     |
|                      | 3 pole     | -                | CA749/3    | 50               |     |
|                      | 4 pole     | -                | CA749/4    | 50               |     |
|                      | 10 pole    | -                | CA749/10   | 10               |     |
| External Jumper      | 2 pole     | CA711/2          | 100        | CA711/2          | 100 |
|                      | 3 pole     | CA711/3          | 50         | CA711/3          | 50  |
|                      | 4 pole     | CA711/4          | 50         | CA711/4          | 50  |
|                      | 10 pole    | CA711/10         | 20         | CA711/10         | 2   |
| Marking Tag          | MT8        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) |     |
| on terminal on lever | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) |     |

### HIGHLIGHTS

#### FEATURES

- Lever Style Disconnect Terminals
- CSDL4U - Standard Lever Disconnect
- DDDL4U - Lever Disconnect with Lower Level Feed-Through
- Same profile as CAFL4U

#### APPLICATIONS

- Disconnect Applications



# DISTRIBUTION

## SCREW TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Distribution blocks with various output configurations
- Stud/Bolt to secure incoming wire
- Internally connected terminals
- Side/center feed versions
- up to 150A
- Protective shield for incoming wire

#### APPLICATIONS

- Simplified distribution systems
- Phase distribution application

#### INSTALLATION NOTES

- Sum of outgoing wires not to exceed incoming current
- Higher output currents should be connected close to the input

## SIDE FEED DISTRIBUTION TERMINAL BLOCKS

### CDB4/X(1)



#### Dimensions & Weight

|        |            |          |
|--------|------------|----------|
| Width  | 6 Outputs  | 52.0 mm  |
|        | 8 Outputs  | 58.0 mm  |
|        | 10 Outputs | 64.0 mm  |
|        | 12 Outputs | 70.0 mm  |
|        | 14 Outputs | 76.0 mm  |
|        | 22 Outputs | 100.0 mm |
| Length | 24 Outputs | 106.0 mm |
|        |            | 43 mm    |

|                   |             |         |
|-------------------|-------------|---------|
| Height w DIN Rail | 35 x 7.5 mm | 46.2 mm |
|                   | 35 x 15 mm  | 53.7 mm |

|                                           |         |
|-------------------------------------------|---------|
| 50A Distribution Terminal Block Side Feed |         |
|                                           | 43 mm   |
|                                           | 46.2 mm |
|                                           | 53.7 mm |

#### General Specifications

|                     |              |
|---------------------|--------------|
| Approvals           |              |
| Voltage Rating      | 600 V        |
| Insulation Material | Polyamide 66 |

|           |             |
|-----------|-------------|
|           |             |
| 60947-7-1 | 800 V AC/DC |

#### INPUT

##### Technical Data/Ratings

|                              |          |                      |
|------------------------------|----------|----------------------|
| Wire Size (solid / stranded) | 10-8 AWG | 6-16 mm <sup>2</sup> |
| Current Rating               | 50 A     | 64 A                 |
| Torque                       | 26 lb-in | 2.0 Nm               |

#### Installation Instructions

|                       |                   |
|-----------------------|-------------------|
| Wire Stripping Length | 8 mm              |
| Screwdriver           | Hex Nut Driver M8 |

#### OUTPUT

##### Technical Data/Ratings

|                              |           |                       |
|------------------------------|-----------|-----------------------|
| Wire Size (solid / stranded) | 22-10 AWG | 0.2-4 mm <sup>2</sup> |
| Current Rating               | 35 A      | 64 A*                 |
| Torque                       | 7 lb-in   | 0.5 Nm                |

#### Installation Instructions

|                       |                        |
|-----------------------|------------------------|
| Wire Stripping Length | 8 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        |            |
|------------------------|------------|
| <b>Grey (standard)</b> |            |
| 6 Outputs              | CDB4/2(1)  |
| 8 Outputs              | CDB4/3(1)  |
| 10 Outputs             | CDB4/4(1)  |
| 12 Outputs             | CDB4/5(1)  |
| 14 Outputs             | CDB4/6(1)  |
| 22 Outputs             | CDB4/10(1) |
| 24 Outputs             | CDB4/11(1) |

|            |          |
|------------|----------|
| Cat. No.   | Std. Pk. |
| CDB4/2(1)  | 10       |
| CDB4/3(1)  | 10       |
| CDB4/4(1)  | 10       |
| CDB4/5(1)  | 5        |
| CDB4/6(1)  | 5        |
| CDB4/10(1) | 5        |
| CDB4/11(1) | 5        |

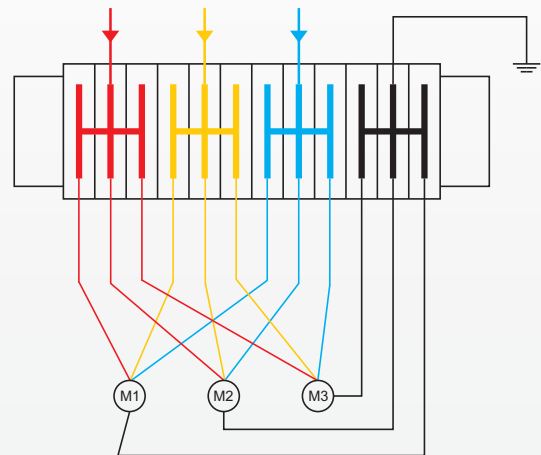
#### Accessories

|             |  |         |                  |
|-------------|--|---------|------------------|
| DIN Rail    |  | 2511120 | 20               |
| End Stop    |  | CA702   | 50               |
| Marking Tag |  | CA802   | 50               |
|             |  | MT6     | 1 Pk. (100 tags) |

|            |                  |
|------------|------------------|
| Cat. No.   | Std. Pk.         |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA702      | 50               |
| CA802      | 50               |
| MT6        | 1 Pk. (100 tags) |

\* Total output current of system

#### Phase Distribution Application with CDB Terminals





**Dimensions & Weight**

|                          | 50A Distribution Terminal Block Center Feed                                    | 100A Distribution Terminal Block Center Feed                    | 130A Distribution Terminal Block Center Feed  | 150A Distribution Terminal Block Center Feed |
|--------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| <b>Width</b>             | 4 Outputs<br>8 Outputs<br>12 Outputs<br>16 Outputs<br>20 Outputs<br>24 Outputs | 44.0 mm<br>56.0 mm<br>68.0 mm<br>80.0 mm<br>96.0 mm<br>108.0 mm | 48.0 mm<br>64.0 mm<br>80.0 mm<br>96.0 mm<br>- | -<br>88.0 mm<br>112.0 mm<br>136.0 mm<br>-    |
| <b>Length</b>            | 43 mm                                                                          | 48 mm                                                           | 48 mm                                         | 49 mm                                        |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm                                                      | 46.2 mm<br>53.7 mm                                              | 47.8 mm<br>55.5 mm                            | 57.2 mm<br>64.7 mm                           |

**General Specifications**

| Approvals                  |              |             |              |             |              |             |              |             |
|----------------------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| <b>Voltage Rating</b>      | 600 V        | 800 V AC/DC | 600 V        | 800 V AC/DC | 600 V        | 800 V AC/DC | 600 V        | 800 V AC/DC |
| <b>Insulation Material</b> | Polyamide 66 |             | Polyamide 66 |             | Polyamide 66 |             | Polyamide 66 |             |

**INPUT**

**Technical Data/Ratings**

| Wire Size (solid / stranded) | 10-8 AWG | 6-16 mm <sup>2</sup> | 10-2 AWG | 6-25 mm <sup>2</sup> | 8-1/0 AWG | 10-35 mm <sup>2</sup> | 6-2/0 AWG | 10-50 mm <sup>2</sup> |
|------------------------------|----------|----------------------|----------|----------------------|-----------|-----------------------|-----------|-----------------------|
| <b>Current Rating</b>        | 50 A     | 64 A                 | 100 A    | 82 A                 | 130 A     | 114 A                 | 150 A     | 150 A                 |
| <b>Torque</b>                | 26 lb-in | 2.0 Nm               | 35 lb-in | 3.0 Nm               | 53 lb-in  | 6.0 Nm                | 53 lb-in  | 6.0 Nm                |

**Installation Instructions**

| Wire Stripping Length | 8 mm              | 9 mm               | 11 mm              | 14 mm              |
|-----------------------|-------------------|--------------------|--------------------|--------------------|
| Screwdriver           | Hex Nut Driver M8 | Hex Nut Driver M10 | Hex Nut Driver M13 | Hex Nut Driver M15 |

**OUTPUT**

**Technical Data/Ratings**

| Wire Size (solid / stranded)       | 22-10 AWG | 0.2-4 mm <sup>2</sup> | 22-8 AWG | 1.5-6 mm <sup>2</sup> | 22-6 AWG | 1.5-10 mm <sup>2</sup> | 12-2 AWG | 6-25 mm <sup>2</sup> |
|------------------------------------|-----------|-----------------------|----------|-----------------------|----------|------------------------|----------|----------------------|
| <b>Current Rating (per output)</b> | 35 A      | 32 A                  | 50 A     | 41 A                  | 65 A     | 57 A                   | 75 A     | 75 A                 |
| <b>Torque</b>                      | 7 lb-in   | 0.5 Nm                | 14 lb-in | 0.8 Nm                | 14 lb-in | 1.2 Nm                 | 22 lb-in | 2.0 Nm               |

**Installation Instructions**

| Wire Stripping Length | 8 mm                   | 9 mm                 | 11 mm                | 14 mm                  |
|-----------------------|------------------------|----------------------|----------------------|------------------------|
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm | Flat Head 1.0 x 5.5 mm |

**Terminal Blocks**

|                        | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Grey (standard)</b> |          |          |          |          |          |          |          |          |
| 4 Outputs              | CDB4/1   | 10       | CDB6/1   | 10       | -        | -        | CDB25/1  | 10       |
| 8 Outputs              | CDB4/2   | 10       | CDB6/2   | 10       | CDB10/2  | 10       | CDB25/2  | 10       |
| 12 Outputs             | CDB4/3   | 10       | CDB6/3   | 10       | CDB10/3  | 10       | CDB25/3  | 10       |
| 16 Outputs             | CDB4/4   | 10       | CDB6/4   | 5        | CDB10/4  | 5        | CDB25/4  | 5        |
| 20 Outputs             | CDB4/5   | 5        | -        | -        | -        | -        | -        | -        |
| 24 Outputs             | CDB4/6   | 5        | -        | -        | -        | -        | -        | -        |

**Accessories**

|                    | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|--------------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|
| <b>DIN Rail</b>    |            |                  |            |                  |            |                  |            |                  |
|                    | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                    | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                    | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| <b>End Stop</b>    | CA702      | 50               | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                    | CA802      | 50               | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| <b>Marking Tag</b> | MT6        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) | MT10       | 1 Pk. (100 tags) | MT12       | 1 Pk. (100 tags) |

# DISTRIBUTION

## SCREW TERMINAL BLOCKS

## MULTI I/O DISTRIBUTION TERMINAL BLOCKS

### CMDB4/X



### CMDB6/X



### CMDB10/X



### CMDB25/X



### Dimensions

|                          | 35 A Distribution Terminal Block      | 50 A Distribution Terminal Block         | 65 A Distribution Terminal Block         | 85 A Distribution Terminal Block          |                                          |
|--------------------------|---------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|------------------------------------------|
| <b>Width</b>             | 2 pole<br>3 pole<br>4 pole<br>10 pole | 13.5 mm<br>19.5 mm<br>25.5 mm<br>61.5 mm | 17.5 mm<br>25.5 mm<br>33.5 mm<br>81.5 mm | 21.5 mm<br>31.5 mm<br>41.5 mm<br>101.5 mm | 26.0 mm<br>38.0 mm<br>50.0 mm<br>62.0 mm |
| <b>Length</b>            | 43 mm                                 | 48 mm                                    | 48 mm                                    | 49 mm                                     |                                          |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm             | 46.2 mm<br>53.7 mm                       | 47.8 mm<br>55.5 mm                       | 47.8 mm<br>55.5 mm                        | 57.2 mm<br>64.7 mm                       |

### Technical Data/Ratings

| Approvals                           |                  |                       |                 |                       |                 |                        |                 |                        |
|-------------------------------------|------------------|-----------------------|-----------------|-----------------------|-----------------|------------------------|-----------------|------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>22-8 AWG</b> | 1.5-6 mm <sup>2</sup> | <b>22-6 AWG</b> | 1.5-10 mm <sup>2</sup> | <b>12-4 AWG</b> | 6.0-25 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V            | 1000V AC/DC           | 600 V           | 1000V AC/DC           | 600 V           | 1000V AC/DC            | 600 V           | 800V AC/DC             |
| <b>Current Rating</b>               | 35 A             | 32 A                  | 50 A            | 41 A                  | 65 A            | 57 A                   | 85 A            | 101 A                  |
| <b>Torque</b>                       | 7 lb-in          | 0.5 Nm                | 14 lb-in        | 0.8 Nm                | 14 lb-in        | 1.2 Nm                 | 22 lb-in        | 2.0 Nm                 |
| <b>Insulation Material</b>          | Polyamide 66     |                       | Polyamide 66    |                       | Polyamide 66    |                        | Polyamide 66    |                        |

### Installation Instructions

|                              |                        |                      |                      |                        |
|------------------------------|------------------------|----------------------|----------------------|------------------------|
| <b>Wire Stripping Length</b> | 8 mm                   | 9 mm                 | 11 mm                | 14 mm                  |
| <b>Screwdriver</b>           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm | Flat Head 1.0 x 5.5 mm |

### Terminal Blocks

#### 4 Outputs

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|-----------------|----------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CMDB4/2</b> | 10       | <b>CMDB6/2</b> | 10       | <b>CMDB10/2</b> | 10       | <b>CMDB25/2</b> | 10       |
| Red R                  | CMDB4/2/R      | 10       | CMDB6/2/R      | 10       | CMDB10/2/R      | 10       | CMDB25/2/R      | 10       |
| Blue BU                | CMDB4/2/BU     | 10       | CMDB6/2/BU     | 10       | CMDB10/2/BU     | 10       | CMDB25/2/BU     | 10       |
| Black BL               | CMDB4/2/BL     | 10       | CMDB6/2/BL     | 10       | CMDB10/2/BL     | 10       | CMDB25/2/BL     | 10       |

#### 6 Outputs

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|-----------------|----------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CMDB4/3</b> | 10       | <b>CMDB6/3</b> | 10       | <b>CMDB10/3</b> | 10       | <b>CMDB25/3</b> | 10       |
| Red R                  | CMDB4/3/R      | 10       | CMDB6/3/R      | 10       | CMDB10/3/R      | 10       | CMDB25/3/R      | 10       |
| Blue BU                | CMDB4/3/BU     | 10       | CMDB6/3/BU     | 10       | CMDB10/3/BU     | 10       | CMDB25/3/BU     | 10       |
| Black BL               | CMDB4/3/BL     | 10       | CMDB6/3/BL     | 10       | CMDB10/3/BL     | 10       | CMDB25/3/BL     | 10       |

#### 8 Outputs

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|-----------------|----------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CMDB4/4</b> | 10       | <b>CMDB6/4</b> | 10       | <b>CMDB10/4</b> | 10       | <b>CMDB25/4</b> | 10       |
| Red R                  | CMDB4/4/R      | 10       | CMDB6/4/R      | 10       | CMDB10/4/R      | 10       | CMDB25/4/R      | 10       |
| Blue BU                | CMDB4/4/BU     | 10       | CMDB6/4/BU     | 10       | CMDB10/4/BU     | 10       | CMDB25/4/BU     | 10       |
| Black BL               | CMDB4/4/BL     | 10       | CMDB6/4/BL     | 10       | CMDB10/4/BL     | 10       | CMDB25/4/BL     | 10       |

#### 20 Outputs

|                        | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.         | Std. Pk. |
|------------------------|-----------------|----------|-----------------|----------|------------------|----------|------------------|----------|
| <b>Grey (standard)</b> | <b>CMDB4/10</b> | 10       | <b>CMDB6/10</b> | 10       | <b>CMDB10/10</b> | 5        | <b>CMDB25/10</b> | 10       |
| Red R                  | CMDB4/10/R      | 10       | CMDB6/10/R      | 10       | CMDB10/10/R      | 5        | CMDB25/10/R      | 10       |
| Blue BU                | CMDB4/10/BU     | 10       | CMDB6/10/BU     | 10       | CMDB10/10/BU     | 5        | CMDB25/10/BU     | 10       |
| Black BL               | CMDB4/10/BL     | 10       | CMDB6/10/BL     | 10       | CMDB10/10/BL     | 5        | CMDB25/10/BL     | 10       |

### Accessories

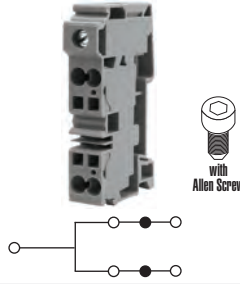
|                    | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|--------------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|
| <b>DIN Rail</b>    | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                    | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                    | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| <b>End Stop</b>    | CA702      | 50               | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                    | CA802      | 50               | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| <b>Marking Tag</b> | MT6        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) | MT10       | 1 Pk. (100 tags) | MT12       | 1 Pk. (100 tags) |

**CXDB35/10**

**CXDB35/10A**



1 Flat Head Screw Input  
4 Spring Clamp Outputs



1 Hex Screw Input  
4 Spring Clamp Outputs

**Dimensions & Weight**

|                   |                           |                    |
|-------------------|---------------------------|--------------------|
| Width             | 16 mm                     | 16 mm              |
| Length            | 81.6 mm                   | 81.6 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 46.8 mm<br>54.3 mm |
| Weight per piece  | 53.2 g                    | 53.2 g             |

**General Specifications**

|                     |                   |                   |
|---------------------|-------------------|-------------------|
| Approvals           |                   |                   |
| Voltage Rating      | 600 V 1000V AC/DC | 600 V 1000V AC/DC |
| Insulation Material | Polyamide 66      | Polyamide 66      |

**INPUT**

**Technical Data/Ratings**

|                              |                                 |                                 |
|------------------------------|---------------------------------|---------------------------------|
| Wire Size (solid / stranded) | 14-2 AWG 1.5-35 mm <sup>2</sup> | 14-2 AWG 1.5-35 mm <sup>2</sup> |
| Current Rating               | 115 A 125 A                     | 115 A 125 A                     |
| Torque                       | 25 lb-in 2.5 Nm                 | 25 lb-in 2.5 Nm                 |

**Installation Instructions**

|                       |                        |              |
|-----------------------|------------------------|--------------|
| Wire Stripping Length | 17 mm                  | 17 mm        |
| Screwdriver           | Flat Head 1.0 x 5.5 mm | Hex Screw M5 |

**OUTPUT**

**Technical Data/Ratings**

|                              |                                 |                                 |
|------------------------------|---------------------------------|---------------------------------|
| Wire Size (solid / stranded) | 24-8 AWG 0.2-10 mm <sup>2</sup> | 24-8 AWG 0.2-10 mm <sup>2</sup> |
| Current Rating               | 41 A 41 A                       | 41 A 41 A                       |

**Installation Instructions**

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Wire Stripping Length | 15 mm                | 15 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

**Terminal Blocks**

|             |                  |          |                   |          |
|-------------|------------------|----------|-------------------|----------|
|             | Cat. No.         | Std. Pk. | Cat. No.          | Std. Pk. |
| <b>Grey</b> | <b>CXDB35/10</b> | 20       | <b>CXDB35/10A</b> | 20       |

**Accessories**

|             |                                   |                       |                                   |                       |
|-------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------|
|             | Cat. No.                          | Std. Pk.              | Cat. No.                          | Std. Pk.              |
| DIN Rail    | 2511120<br>CA701-15/S             | 20<br>20              | 2511120<br>CA701-15/S             | 20<br>20              |
| End Clamp   | CA702<br>CA802<br>CA103           | 50<br>50<br>50        | CA702<br>CA802<br>CA103           | 50<br>50<br>50        |
| Jumpers     | JX6/2<br>JX6/3<br>JX6/4<br>JX6/10 | 100<br>50<br>50<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>JX6/10 | 100<br>50<br>50<br>10 |
| Marking Tag | MT16                              | 1 Pk. (100 tags)      | MT16                              | 1 Pk. (100 tags)      |

**HIGHLIGHTS**

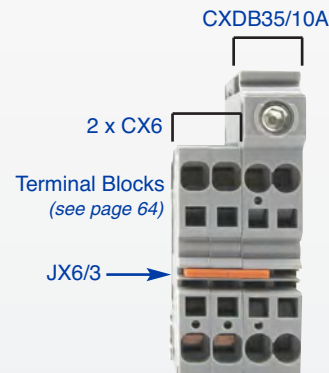
**FEATURES**

- Hybrid Distribution Terminal Block
- Screw input (115A)
- 4 spring clamp outputs (4 x41A)
- Modular system
- Standard slot & hex screw versions
- Expandable with standard CX Series jumpers and terminal blocks
- Easy Installation

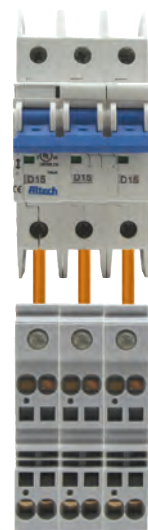
**APPLICATIONS**

- Miniature Circuit Breaker (MCB) distribution
- Limited space distribution

**Output Expansion**



**MCB Distribution Example**





### HIGHLIGHTS

#### FEATURES

- 3 Clamp Sizes
- Panel Mount
  - NES
  - NEB6
- DIN Rail Mount
  - CA202
  - NEB10
- Tin Plated Copper Busbars
- Busbar Current rating 140A
- Standard Color: Green
- Various colors

#### APPLICATIONS

- Grounding Solution
- Terminating Neutral an Grounding Wires to a single busbar
- Distribution Applications



#### Dimensions & Weight

|                  | CENC4   | CENC16  | CENC35  |
|------------------|---------|---------|---------|
| Width            | 7.5 mm  | 9.8 mm  | 14.5 mm |
| Length           | 23.3 mm | 23.3 mm | 27.3 mm |
| Weight per piece | 8 g     | 10.5 g  | 20 g    |

#### Technical Data/Ratings

| Approvals                    |              |           |                       |              |            |                       |              |          |                       |
|------------------------------|--------------|-----------|-----------------------|--------------|------------|-----------------------|--------------|----------|-----------------------|
| Wire Size (solid / stranded) | 22-12 AWG    | 22-12 AWG | 0.2-6 mm <sup>2</sup> | 10-6 AWG     | 10-6 AWG   | 10-16 mm <sup>2</sup> | 8-2 AWG      | 8-2 AWG  | 10-35 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 600 V     | 800 V                 | 600 V        | 600 V      | 800 V                 | 600 V        | 600 V    | 800 V                 |
| Current Rating               | -            | -         | 37 A                  | -            | -          | 76 A                  | -            | -        | 125 A                 |
| Torque                       | 14 lb-in     | 14 lb-in  | 0.8 Nm                | 17.5 lb-in   | 17.5 lb-in | 2.0 Nm                | 25 lb-in     | 25 lb-in | 2.5 Nm                |
| Insulation Material          | Polyamide 66 |           |                       | Polyamide 66 |            |                       | Polyamide 66 |          |                       |

#### Installation Instructions

|                       | CENC4                | CENC16                 | CENC35                 |
|-----------------------|----------------------|------------------------|------------------------|
| Wire Stripping Length | 12 mm                | 16 mm                  | 16 mm                  |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 1.0 x 5.5 mm | Flat Head 1.0 x 5.5 mm |

#### Terminal Blocks

|                         | Cat. No.     | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. |
|-------------------------|--------------|----------|---------------|----------|---------------|----------|
| <b>Green (standard)</b> | <b>CENC4</b> | 50       | <b>CENC16</b> | 50       | <b>CENC35</b> | 50       |
| Black BL                | CENC4/BL     | 50       | CENC16/BL     | 50       | CENC35/BL     | 50       |
| Blue BU                 | CENC4/BU     | 50       | CENC16/BU     | 50       | CENC35/BU     | 50       |
| Grey GR                 | CENC4/GR     | 50       | CENC16/GR     | 50       | CENC35/GR     | 50       |
| Yellow Y                | CENC4/Y      | 50       | CENC16/Y      | 50       | CENC35/Y      | 50       |

#### Mounting Accessories

##### Panel Mount

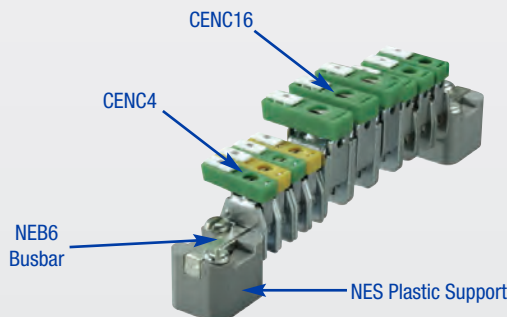
|                                   | Cat. No. | Std. Pk.         | Cat. No. | Std. Pk.         | Cat. No. | Std. Pk.         |
|-----------------------------------|----------|------------------|----------|------------------|----------|------------------|
| Busbar (6 x 6 mm)                 | NEB6     | 1 m              | NEB6     | 1 m              | NEB6     | 1 m              |
| Plastic Support with Fixing Screw | NES      | 50               | NES      | 50               | NES      | 50               |
| Marking Tag                       | MT5      | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) |

##### Mounting Accessories

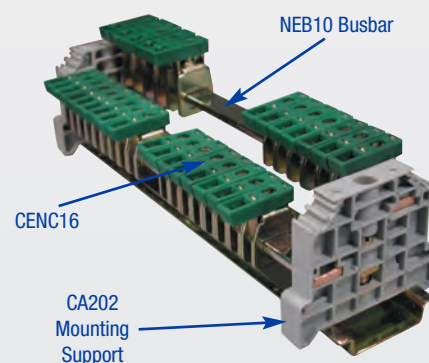
##### DIN Rail Mount

|                                            | Cat. No. | Std. Pk.         | Cat. No. | Std. Pk.         | Cat. No. | Std. Pk.         |
|--------------------------------------------|----------|------------------|----------|------------------|----------|------------------|
| Busbar (10 x 3 mm)                         | NEB10    | 1 m              | NEB10    | 1 m              | NEB10    | 1 m              |
| End Clamp/Busbar support for rail mounting | CA202    | 50               | CA202    | 50               | CA202    | 50               |
| Marking Tag                                | MT5      | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) | MT6      | 1 Pk. (100 tags) |

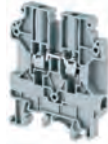
#### Panel Mount Assembly Example



#### DIN Rail Mount Assembly Example



**CHV4U**



**CHV6U**



**CHV10U**



**Dimensions & Weight**

|                    |                           |                    |                    |                    |
|--------------------|---------------------------|--------------------|--------------------|--------------------|
| Width              |                           | <b>6 mm</b>        | <b>8 mm</b>        | <b>10 mm</b>       |
| Length             |                           | 52 mm              | 52 mm              | 52 mm              |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 63.4 mm<br>70.8 mm | 63.4 mm<br>70.8 mm | 63.4 mm<br>70.8 mm |
| Weight per piece   |                           | 11.0 g             | 16.0 g             | 21.6 g             |

**Technical Data/Ratings**

|                              |                  |                       |                 |                       |                 |                        |
|------------------------------|------------------|-----------------------|-----------------|-----------------------|-----------------|------------------------|
| Approvals                    |                  |                       |                 |                       |                 |                        |
| Wire Size (solid / stranded) | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>22-8 AWG</b> | 0.2-6 mm <sup>2</sup> | <b>20-6 AWG</b> | 0.2-10 mm <sup>2</sup> |
| Voltage Rating               | 1000 V           | 1500 V AC/DC          | 1000 V          | 1500 V AC/DC          | 1000 V          | 1500 V AC/DC           |
| Current Rating               | 35 A             | 32 A                  | 50 A            | 41 A                  | 65 A            | 57 A                   |
| Torque                       | 7 lb-in          | 0.5 Nm                | 14 lb-in        | 0.8 Nm                | 14 lb-in        | 1.2 Nm                 |
| Insulation Material          | Polyamide 66     |                       | Polyamide 66    |                       | Polyamide 66    |                        |

**Installation Instructions**

|                       |                        |                      |                      |
|-----------------------|------------------------|----------------------|----------------------|
| Wire Stripping Length | 12 mm                  | 14 mm                | 14 mm                |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

**Terminal Blocks**

|                        | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.      | Std. Pk. |
|------------------------|--------------|----------|--------------|----------|---------------|----------|
| <b>Grey (standard)</b> | <b>CHV4U</b> | 50       | <b>CHV6U</b> | 50       | <b>CHV10U</b> | 50       |
| Red R                  | CHV4U/R      | 50       | CHV6U/R      | 50       | CHV10U/R      | 50       |
| Blue BU                | CHV4U/BU     | 50       | CHV6U/BU     | 50       | CHV10U/BU     | 50       |
| Black BL               | CHV4U/BL     | 50       | CHV6U/BL     | 50       | CHV10U/BL     | 50       |
| Orange O               | CHV4U/O      | 50       | CHV6U/O      | 50       | CHV10U/O      | 50       |
| Green G                | CHV4U/G      | 50       | CHV6U/G      | 50       | CHV10U/G      | 50       |
| Yellow Y               | CHV4U/Y      | 50       | CHV6U/Y      | 50       | CHV10U/Y      | 50       |
| White W                | CHV4U/W      | 50       | CHV6U/W      | 50       | CHV10U/W      | 50       |

**Accessories**

|                 | Cat. No.                                          | Std. Pk.                                  | Cat. No.                         | Std. Pk.                                  | Cat. No.                         | Std. Pk.                                  |                         |
|-----------------|---------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------|-------------------------|
| End Plate       | EPUSC                                             | 50                                        | EPUSC                            | 50                                        | EPUSC                            | 50                                        |                         |
| Separator Plate | SP2.5/4UN                                         | 50                                        | SP2.5/4UN                        | 50                                        | SP2.5/4UN                        | 50                                        |                         |
| DIN Rail        | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                            | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                            | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                            |                         |
| End Stop        | CA702<br>CA802<br>CA202                           | 50<br>50<br>25                            | CA702<br>CA802<br>CA202          | 50<br>50<br>25                            | CA702<br>CA802<br>CA202          | 50<br>50<br>25                            |                         |
| Internal Jumper | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA623/2<br>CA623/3<br>CA623/4<br>CA623/10 | 100<br>100<br>100<br>10          | CA624/2<br>CA624/3<br>CA624/4<br>CA624/10 | 100<br>100<br>100<br>10          | CA625/2<br>CA625/3<br>CA625/4<br>CA625/10 | 100<br>100<br>100<br>10 |
| Marking Tag     | MT6                                               | 1 Pk. (100 tags)                          | MT8                              | 1 Pk. (100 tags)                          | MT10                             | 1 Pk. (100 tags)                          |                         |

**HIGHLIGHTS**

**FEATURES**

- High Voltage Terminal Blocks
- 1000V UL Rating
- 1500V IEC DC Rating
- Same Profile on all Current Ratings

**APPLICATIONS**

- Solar Applications
- High Voltage Applications

# THERMOCOUPLE

SCREW TERMINAL BLOCKS

## THERMOCOUPLE BLOCKS

### HIGHLIGHTS

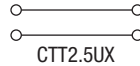
#### FEATURES

- Thermocouple terminal blocks are used to extend thermocouple compensating lines in measuring circuits
- The current bar of the terminal block is made of the same material as the thermocouple wire (As per EN 60584/DINEN 60584)
- No loss of potential at the connection points
- Available types:
  - K Type** - Chromel (NiCr), Alumel (Ni)
  - J Type** - Iron (Fe), Constantan (CuNi)
  - T Type** - Copper (Cu), Constantan (CuNi)
  - E Type** - Chromel (NiCr), Constantan (CuNi)

#### APPLICATIONS

- Measurement applications

### CTT2.5UK/J/T/E



#### Dimensions & Weight

|                   |             |         |
|-------------------|-------------|---------|
| Width             | 10 mm       |         |
| Length            | 43 mm       |         |
| Height w DIN Rail | 35 x 7.5 mm | 46.2 mm |
|                   | 35 x 15 mm  | 53.7 mm |
| Weight per piece  | 12.4 g      |         |

#### Technical Data/Ratings

|                              |                  |                         |
|------------------------------|------------------|-------------------------|
| Approvals                    |                  |                         |
| Wire Size (solid / stranded) | 22-14 AWG        | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 1000 V AC/DC     |                         |
| Current Rating               | 10 A             |                         |
| Torque                       | 7 lb-in / 0.4 Nm |                         |
| Insulation Material          | Polyamide 66     |                         |

#### Installation Instructions

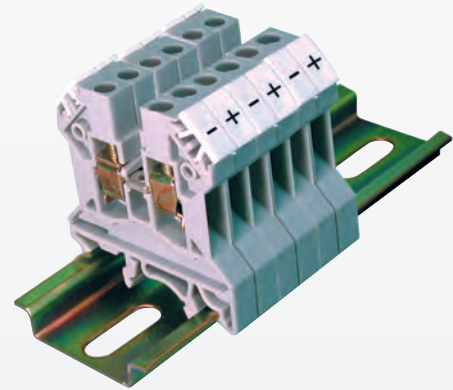
|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 8 mm                 |
| Screwdriver           | Flat Head 0.5 x 3 mm |

#### Terminal Blocks

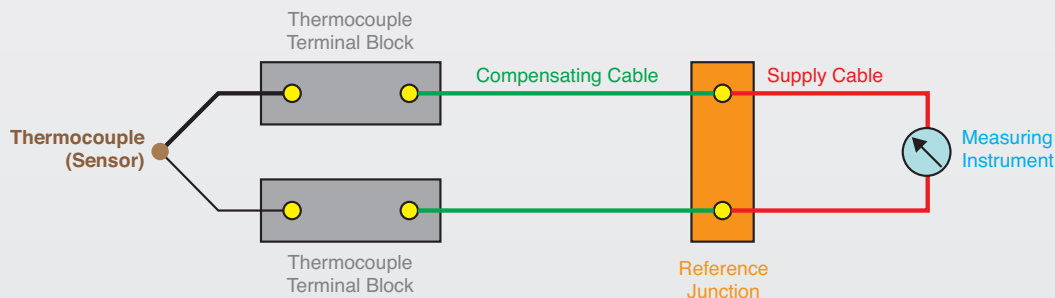
|        | Cat. No. | Std. Pk. |
|--------|----------|----------|
| Grey   |          |          |
| U Type | CTT2.5UK | 50       |
| J Type | CTT2.5UJ | 50       |
| T Type | CTT2.5UT | 50       |
| G Type | CTT2.5UG | 50       |

#### Accessories

|                 | Cat. No.   | Std. Pk. |
|-----------------|------------|----------|
| End Plate       | EP2.5/4UN  | 50       |
| Partition Plate | PP2.5/4UN  | 50       |
| DIN Rail        | 2511120    | 20       |
|                 | CA701-15/S | 20       |
|                 | 2511160    | 10       |
| End Stop        | CA702      | 100      |
|                 | CA802      | 100      |
| Marking Tag     | INCLUDED   |          |



#### Typical Temperature Measuring Circuit



**CTC4U**



**Dimensions & Weight**

|                   |                           |
|-------------------|---------------------------|
| <b>Width</b>      | <b>6 mm</b>               |
| Length            | 47 mm                     |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm |
| Weight per piece  | 8.0 g                     |

**Technical Data/Ratings**

|                              |                                     |
|------------------------------|-------------------------------------|
| Approvals                    |                                     |
| Wire Size (solid   stranded) | 0.2-4.0 mm <sup>2</sup>   24-12 AWG |
| Voltage Rating               | 300 V                               |
| Current Rating               | 32 A                                |
| Tab (Blade) Size             | 6.3x0.8 mm                          |
| Insulation Material          | Polyamide 66                        |

**Installation Instructions**

|                       |      |
|-----------------------|------|
| Wire Stripping Length | 9 mm |
|-----------------------|------|

**Terminal Blocks**

|                        | Cat. No.     | Std. Pk. |
|------------------------|--------------|----------|
| <b>Grey (standard)</b> | <b>CTC4U</b> | 100      |
| Red R                  | CTC4U/R      | 100      |
| Blue BU                | CTC4U/BU     | 100      |
| Black BL               | CTC4U/BL     | 100      |
| Orange O               | CTC4U/O      | 100      |
| Green G                | CTC4U/G      | 100      |
| Yellow Y               | CTC4U/Y      | 100      |
| White W                | CTC4U/W      | 100      |

**Accessories**

|             | Cat. No.    | Std. Pk.         |
|-------------|-------------|------------------|
| End Plate   | EPCTC4U     | 50               |
| DIN Rail    | 2511120     | 20               |
|             | CA701-15/S  | 20               |
|             | 2511160     | 10               |
| End Stop    | CA702       | 100              |
|             | CA802       | 100              |
| Test Socket | CA707/TS/01 |                  |
| Marking Tag | MT6         | 1 Pk. (100 tags) |

**HIGHLIGHTS**

**FEATURES**

- Standard tab connection terminals
- Quick-Connect Tabs

**APPLICATIONS**

- Transportation
- Railroad Applications





# SPRING LOADED

## SCREW TERMINAL BLOCKS

## FEED-THROUGH TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Feed Through Terminals with Springs below clamps
- High torque screws
- Built-in springs guarantee secure connection even when screw is not tight
- 4 mm, 6 mm, 10mm terminal blocks with same size profile
- It is recommended to use hook type lugs/ ferrules for wire termination
- Both, high-torque screws and built-in spring
- Various disconnect terminals

#### APPLICATIONS

- Vibration Applications
- Projects which follow the following safety regulations:
  - Electric Supply Standard (ESI)
  - British CEGB Standard
  - NTPC standard

### CTS4USC



### CTS6USC



### CTS10USC



#### Dimensions & Weight

|                   | Feed Through Terminal Spring Loaded | Feed Through Terminal Spring Loaded | Feed Through Terminal Spring Loaded |
|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>Width</b>      | <b>6 mm</b>                         | <b>8 mm</b>                         | <b>10 mm</b>                        |
| Length            | 52 mm                               | 52 mm                               | 52 mm                               |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm           | 63.4 mm<br>70.8 mm                  | 63.4 mm<br>70.8 mm                  |
| Weight per piece  | 13.0 g                              | 10.0 g                              | 12.6 g                              |

#### Technical Data/Ratings

| Approvals                    |                  |  |                       |  |                 |  |
|------------------------------|------------------|--|-----------------------|--|-----------------|--|
| Wire Size (solid / stranded) | <b>22-10 AWG</b> |  | 0.2-4 mm <sup>2</sup> |  | <b>22-8 AWG</b> |  |
| Voltage Rating               | 600 V            |  | 1500V AC/DC           |  | 1000 V          |  |
| Current Rating               | 35 A             |  | 32 A                  |  | 41 A            |  |
| Torque                       | 7 lb-in          |  | 0.5 Nm                |  | 14 lb-in        |  |
| Insulation Material          | Polyamide 66     |  | Polyamide 66          |  | Polyamide 66    |  |
|                              |                  |  |                       |  | 1500V AC/DC     |  |
|                              |                  |  |                       |  | 65 A            |  |
|                              |                  |  |                       |  | 57 A            |  |
|                              |                  |  |                       |  | 14 lb-in        |  |
|                              |                  |  |                       |  | 1.2 Nm          |  |

#### Installation Instructions

|                       |                        |                      |                      |
|-----------------------|------------------------|----------------------|----------------------|
| Wire Stripping Length | 12 mm                  | 14 mm                | 14 mm                |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

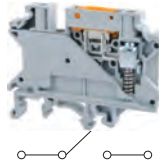
#### Terminal Blocks

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.        | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CTS4USC</b> | 50       | <b>CTS6USC</b> | 50       | <b>CTS10USC</b> | 50       |
| Red R                  | CTS4USC/R      | 50       | CTS6USC/R      | 50       | CTS10USC/R      | 50       |
| Blue BU                | CTS4USC/BU     | 50       | CTS6USC/BU     | 50       | CTS10USC/BU     | 50       |
| Black BL               | CTS4USC/BL     | 50       | CTS6USC/BL     | 50       | CTS10USC/BL     | 50       |
| Orange O               | CTS4USC/O      | 50       | CTS6USC/O      | 50       | CTS10USC/O      | 50       |
| Green G                | CTS4USC/G      | 50       | CTS6USC/G      | 50       | CTS10USC/G      | 50       |
| Yellow Y               | CTS4USC/Y      | 50       | CTS6USC/Y      | 50       | CTS10USC/Y      | 50       |
| White W                | CTS4USC/W      | 50       | CTS6USC/W      | 50       | CTS10USC/W      | 50       |

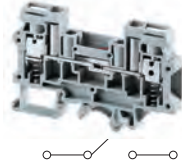
#### Accessories

|                       | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |     |
|-----------------------|------------|------------------|------------|------------------|------------|------------------|-----|
| End Plate             | EPUSC      | 50               | EPUSC      | 50               | EPUSC      | 50               |     |
| Separator Plate       | SP2.5/4UN  | 50               | SP2.5/4UN  | 50               | SP2.5/4UN  | 50               |     |
| DIN Rail              | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |     |
|                       | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |     |
|                       | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |     |
| End Stop              | CA702      | 100              | CA702      | 100              | CA702      | 100              |     |
|                       | CA802      | 50               | CA802      | 50               | CA802      | 50               |     |
|                       | CA202      | 50               | CA202      | 50               | CA202      | 50               |     |
| Hook Type             | CA604/1    | 100              | CA604/1    | 100              | CA604/1    | 100              |     |
| Lug / Ferrule         | CA604/2    | 100              | CA604/2    | 100              | CA604/2    | 100              |     |
|                       | CA604/5    | 100              | CA604/5    | 100              | CA604/5    | 100              |     |
|                       | CA604/4    | -                | CA604/4    | 100              | CA604/4    | 100              |     |
|                       | -          | -                | -          | -                | CA604/3    | 100              |     |
| Pre Assembled Jumpers | 2 pole     | CA623/2          | 100        | CA624/2          | 100        | CA625/2          | 100 |
|                       | 3 pole     | CA623/3          | 100        | CA624/3          | 100        | CA625/3          | 100 |
|                       | 4 pole     | CA623/4          | 100        | CA624/4          | 100        | CA625/4          | 100 |
|                       | 10 pole    | CA623/10         | 10         | CA624/10         | 10         | CA625/10         | 10  |
| Marking Tag           | MT6        | 1 Pk. (100 tags) | MT8        | 1 Pk. (100 tags) | MT10       | 1 Pk. (100 tags) |     |

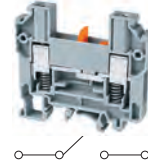
**CKT4SPSC**



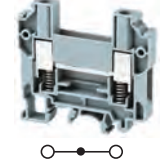
**CDS6U/SC**



**CDTTUSC**



**CDTTUFTSC**



**Dimensions & Weight**

|                          | Knife Disconnect<br>Spring Loaded Terminal | Slider Disconnect<br>Spring Loaded Terminal | Slider Disconnect<br>Spring Loaded Terminal | Feed Through Terminal<br>Same profile as CDTTUSC |
|--------------------------|--------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------------------------------|
| <b>Width</b>             | <b>6 mm</b>                                | <b>8 mm</b>                                 | <b>8 mm</b>                                 | <b>8 mm</b>                                      |
| <b>Length</b>            | 58.5 mm                                    | 82 mm                                       | 63 mm                                       | 63 mm                                            |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm                  | 46.0 mm<br>53.5 mm                          | 51.0 mm<br>59.2 mm                          | 58.7 mm<br>65.7 mm                               |
| <b>Weight per piece</b>  | 14.1 g                                     | 30.9 g                                      | 31.0 g                                      | 25.4 g                                           |

**Technical Data/Ratings**

| Approvals                           |                  |                       |                 |                       |                 |                        |                 |                        |
|-------------------------------------|------------------|-----------------------|-----------------|-----------------------|-----------------|------------------------|-----------------|------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>22-8 AWG</b> | 0.2-6 mm <sup>2</sup> | <b>16-8 AWG</b> | 1.5-10 mm <sup>2</sup> | <b>16-8 AWG</b> | 1.5-10 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V            | 1000V AC/DC           | 600 V           | 800V AC/DC            | 600 V           | 800V AC/DC             | 600 V           | 800V AC/DC             |
| <b>Current Rating</b>               | 30 A             | 28 A                  | 45 A            | 41 A                  | 41 A            | 57 A                   | 41 A            | 57 A                   |
| <b>Torque</b>                       | 4.5 lb-in        | 0.5Nm                 | 14 lb-in        | 0.8 Nm                | 14 lb-in        | 1.2Nm                  | 14 lb-in        | 1.2Nm                  |
| <b>Insulation Material</b>          | Polyamide 66     |                       | Polyamide 66    |                       | Polyamide 66    |                        | Polyamide 66    |                        |

**Installation Instructions**

|                              |                        |                      |                        |                        |
|------------------------------|------------------------|----------------------|------------------------|------------------------|
| <b>Wire Stripping Length</b> | 8 mm                   | 10 mm                | 12 mm                  | 12 mm                  |
| <b>Screwdriver</b>           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 1.0 x 5.5 mm | Flat Head 1.0 x 5.5 mm |

**Terminal Blocks**

|                        | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.         | Std. Pk. |
|------------------------|-----------------|----------|-----------------|----------|----------------|----------|------------------|----------|
| <b>Grey (standard)</b> | <b>CKT4SPSC</b> | 50       | <b>CDS6U/SC</b> | 50       | <b>CDTTUSC</b> | 50       | <b>CDTTUFTSC</b> | 50       |
| Red R                  | CKT4SPSC/R      | 50       | CDS6U/SC/R      | 50       | CDTTUSC/R      | 50       | CDTTUFTSC/R      | 50       |
| Blue BU                | CKT4SPSC/BU     | 50       | CDS6U/SC/BU     | 50       | CDTTUSC/BU     | 50       | CDTTUFTSC/BU     | 50       |
| Black BL               | CKT4SPSC/BL     | 50       | CDS6U/SC/BL     | 50       | CDTTUSC/BL     | 50       | CDTTUFTSC/BL     | 50       |
| Orange O               | CKT4SPSC/O      | 50       | CDS6U/SC/O      | 50       | CDTTUSC/O      | 50       | CDTTUFTSC/O      | 50       |
| Green G                | CKT4SPSC/G      | 50       | CDS6U/SC/G      | 50       | CDTTUSC/G      | 50       | CDTTUFTSC/G      | 50       |
| Yellow Y               | CKT4SPSC/Y      | 50       | CDS6U/SC/Y      | 50       | CDTTUSC/Y      | 50       | CDTTUFTSC/Y      | 50       |
| White W                | CKT4SPSC/W      | 50       | CDS6U/SC/W      | 50       | CDTTUSC/W      | 50       | CDTTUFTSC/W      | 50       |

**Accessories**

|                              | Cat. No.                                          | Std. Pk.                                               | Cat. No.                         | Std. Pk.                                  | Cat. No.                         | Std. Pk.                                  | Cat. No.                         | Std. Pk.                                  |                       |
|------------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------|-----------------------|
| <b>End Plate</b>             | -                                                 | -                                                      | EPDCS6U                          | 50                                        | EPCDTTU                          | 50                                        | EPCDTTU                          | 50                                        |                       |
| <b>DIN Rail</b>              | 2511120<br>CA701-15/S<br>2511160                  | 20<br>20<br>10                                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                            | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                            | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                            |                       |
| <b>End Stop</b>              | CA702<br>CA802<br>CA202                           | 100<br>50<br>50                                        | CA702<br>CA802<br>CA202          | 100<br>50<br>50                           | CA702<br>CA802<br>CA202          | 100<br>50<br>50                           | CA702<br>CA802<br>CA202          | 100<br>50<br>50                           |                       |
| <b>Pre Assembled Jumpers</b> | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA722/2<br>CA722/3<br>CA722/4<br>CA722/10<br>CA722/100 | 100<br>100<br>100<br>10<br>10    | CA723/2<br>CA723/3<br>CA723/4<br>CA723/10 | 100<br>50<br>50<br>10            | -<br>-<br>-<br>-                          | -<br>-<br>-<br>-                 | -<br>-<br>-<br>-                          |                       |
| <b>Insulated Jumpers</b>     | 2 pole<br>3 pole<br>4 pole<br>10 pole<br>100 pole | CA742/2<br>CA742/3<br>CA742/4<br>CA742/10<br>CA742/100 | 100<br>100<br>100<br>10<br>10    | -<br>-<br>-<br>-<br>-                     | -<br>-<br>-<br>-<br>-            | -<br>-<br>-<br>-<br>-                     | -<br>-<br>-<br>-<br>-            | -<br>-<br>-<br>-<br>-                     |                       |
| <b>External Jumpers</b>      | 2 pole<br>3 pole<br>4 pole<br>10 pole             | CA714/2<br>CA714/3<br>CA714/4<br>CA714/10              | 100<br>100<br>100<br>20          | -<br>-<br>-<br>-                          | -<br>-<br>-<br>-                 | CA710/2<br>CA710/3<br>CA710/4<br>CA710/10 | 100<br>50<br>50<br>20            | CA710/2<br>CA710/3<br>CA710/4<br>CA710/10 | 100<br>50<br>50<br>20 |
| <b>Shorting Plug</b>         | -                                                 | -                                                      | -                                | -                                         | QJ8/2                            | 25                                        | -                                | -                                         |                       |
| <b>Marking Tag</b>           | MT6                                               | 1 Pk. (100 tags)                                       | MT8                              | 1 Pk. (100 tags)                          | MT8                              | 1 Pk. (100 tags)                          | MT8                              | 1 Pk. (100 tags)                          |                       |

### HIGHLIGHTS

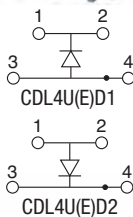
#### FEATURES

- Various configurations of Electronic components soldered into **CDL4U** double level terminal block
- Various Diode / Resistor combinations
- 4 connection points for convenient wiring
- Terminal Block with open current bar **CDL4U(O)** can be individually soldered with electronic components
- Spacer **CDL4USP** can be used to cover overlapping components when soldered individually

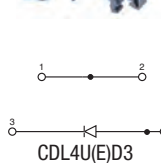
#### APPLICATIONS

- Reverse polarity protection
- Lamp testing

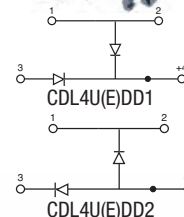
### CDL4U(E)D1/D2



### CDL4U(E)D3



### CDL4U(E)DD1/DD2



Arc Suppression circuit diode for contactors and solenoid valves

Diode reverse polarity protection

Diode circuit for lamp testing

#### Dimensions & Weight

| Width             | 6 mm                      | 6 mm               | 6 mm               |
|-------------------|---------------------------|--------------------|--------------------|
| Length            | 55.5 mm                   | 55.5 mm            | 55.5 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 55.7 mm<br>63.1 mm | 55.7 mm<br>63.1 mm |
| Weight per piece  | 13.6 g                    | 13.4 g             | 13.4 g             |

#### Technical Data/Ratings

| Approvals                    |              |                       |          |              |                       |          |              |                       |          |
|------------------------------|--------------|-----------------------|----------|--------------|-----------------------|----------|--------------|-----------------------|----------|
|                              | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          |
| Wire Size (solid / stranded) |              |                       |          |              |                       |          |              |                       |          |
| Voltage Rating               | 600 V        | 300 V                 | 500 V AC | 600 V        | 300 V                 | 500 V AC | 600 V        | 300 V                 | 500 V AC |
| Current Rating               | 35 A         | 25 A                  | 32 A     | 35 A         | 25 A                  | 32 A     | 35 A         | 25 A                  | 32 A     |
| Torque                       | 7 lb-in      |                       | 0.5 Nm   | 7 lb-in      |                       | 0.5 Nm   | 7 lb-in      |                       | 0.5 Nm   |
| Insulation Material          | Polyamide 66 |                       |          | Polyamide 66 |                       |          | Polyamide 66 |                       |          |

#### Electronic Component Specifications

|                                 |              |              |              |
|---------------------------------|--------------|--------------|--------------|
| Diode Type                      | 1N 4007      | 1N 4007      | 1N 4007      |
| Diode Reverse Voltage / Current | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A |
| Indicator Voltage               | -            | -            | -            |

#### Installation Instructions

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9 mm                   | 9 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

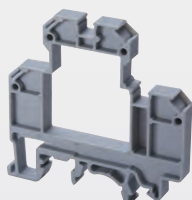
#### Terminal Blocks

|      | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.    | Std. Pk. |
|------|------------|----------|------------|----------|-------------|----------|
| Grey | CDL4U(E)D1 | 100      | CDL4U(E)D3 | 100      | CDL4U(E)DD1 | 100      |
|      | CDL4U(E)D2 | 100      |            |          | CDL4U(E)DD2 | 100      |

#### Accessories

|                 | Cat. No.         | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.         | Std. Pk. |
|-----------------|------------------|----------|------------------|----------|------------------|----------|
| End Plate       | EPCDL4U          | 50       | EPCDL4U          | 50       | EPCDL4U          | 50       |
| Spacer          | CDL4USP          | 50       | CDL4USP          | 50       | CDL4USP          | 50       |
| DIN Rail        | 2511120          | 20       | 2511120          | 20       | 2511120          | 20       |
|                 | CA701-15/S       | 20       | CA701-15/S       | 20       | CA701-15/S       | 20       |
|                 | 2511160          | 10       | 2511160          | 10       | 2511160          | 10       |
| End Stop        | CA702            | 50       | CA702            | 50       | CA702            | 50       |
|                 | CA802            | 50       | CA802            | 50       | CA802            | 50       |
| Internal Jumper | 2 pole CA727/2   | 100      | 2 pole CA727/2   | 100      | 2 pole CA727/2   | 100      |
|                 | 3 pole CA727/3   | 100      | 3 pole CA727/3   | 100      | 3 pole CA727/3   | 100      |
|                 | 4 pole CA727/4   | 100      | 4 pole CA727/4   | 100      | 4 pole CA727/4   | 100      |
|                 | 10 pole CA727/10 | 10       | 10 pole CA727/10 | 10       | 10 pole CA727/10 | 10       |
|                 | Marking Tag      | MT2      | 1 Pk. (100 tags) | MT2      | 1 Pk. (100 tags) | MT2      |

### CDL4U SPACER



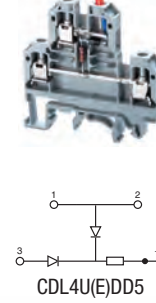
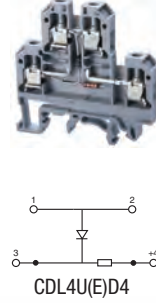
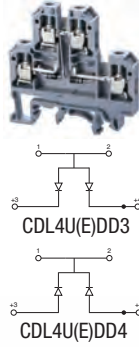
Spacer to cover electronic components which stick out of CDL4U(O)

|                |          |
|----------------|----------|
| Cat. No.       | Std. Pk. |
| <b>CDL4USP</b> | 50       |

**CDL4U(E)DD3/DD4**

**CDL4U(E)D4**

**CDL4U(E)DD5**



**Dimensions & Weight**

|                          |                           |                    |                    |
|--------------------------|---------------------------|--------------------|--------------------|
| <b>Width</b>             | <b>6 mm</b>               | <b>6 mm</b>        | <b>6 mm</b>        |
| <b>Length</b>            | 55.5 mm                   | 55.5 mm            | 55.5 mm            |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm | 55.7 mm<br>63.1 mm | 55.7 mm<br>63.1 mm |
| <b>Weight per piece</b>  | 13.6 g                    | 13.6 g             | 13.6 g             |

**Technical Data/Ratings**

|                                     |                  |       |          |                  |       |          |                  |       |          |
|-------------------------------------|------------------|-------|----------|------------------|-------|----------|------------------|-------|----------|
| <b>Approvals</b>                    |                  |       |          |                  |       |          |                  |       |          |
| <b>Wire Size (solid / stranded)</b> | <b>22-10 AWG</b> |       |          | <b>22-10 AWG</b> |       |          | <b>22-10 AWG</b> |       |          |
| <b>Voltage Rating</b>               | 600 V            | 300 V | 500 V AC | 600 V            | 300 V | 500 V AC | 600 V            | 300 V | 500 V AC |
| <b>Current Rating</b>               | 35 A             | 25 A  | 32 A     | 35 A             | 25 A  | 32 A     | 35 A             | 25 A  | 32 A     |
| <b>Torque</b>                       | 7 lb-in          |       | 0.5 Nm   | 7 lb-in          |       | 0.5 Nm   | 7 lb-in          |       | 0.5 Nm   |
| <b>Insulation Material</b>          | Polyamide 66     |       |          | Polyamide 66     |       |          | Polyamide 66     |       |          |

**Electronic Component Specifications**

|                                        |              |              |              |
|----------------------------------------|--------------|--------------|--------------|
| <b>Diode Type</b>                      | 1N 4007      | 1N 4007      | 1N 4007      |
| <b>Diode Reverse Voltage / Current</b> | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A |
| <b>Indicator Voltage</b>               | -            | -            | -            |

**Installation Instructions**

|                              |                        |                        |                        |
|------------------------------|------------------------|------------------------|------------------------|
| <b>Wire Stripping Length</b> | 9 mm                   | 9 mm                   | 9 mm                   |
| <b>Screwdriver</b>           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|             |                    |          |                       |          |                        |          |
|-------------|--------------------|----------|-----------------------|----------|------------------------|----------|
| <b>Grey</b> | Cat. No.           | Std. Pk. | Cat. No.              | Std. Pk. | Cat. No.               | Std. Pk. |
|             | <b>CDL4U(E)DD3</b> | 100      | <b>CDL4U(E)D4/12V</b> | 100      | <b>CDL4U(E)DD5/12V</b> | 100      |
|             | <b>CDL4U(E)DD4</b> | 100      | <b>CDL4U(E)D4/24V</b> | 100      | <b>CDL4U(E)DD5/24V</b> | 100      |

**Accessories**

|                        |            |                  |            |                  |            |                  |
|------------------------|------------|------------------|------------|------------------|------------|------------------|
| <b>End Plate</b>       | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|                        | EPCDL4U    | 50               | EPCDL4U    | 50               | EPCDL4U    | 50               |
| <b>Spacer</b>          | CDL4USP    | 50               | CDL4USP    | 50               | CDL4USP    | 50               |
| <b>DIN Rail</b>        | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                        | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                        | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| <b>End Stop</b>        | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                        | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| <b>Internal Jumper</b> | 2 pole     | 100              | 2 pole     | 100              | 2 pole     | 100              |
|                        | 3 pole     | 100              | 3 pole     | 100              | 3 pole     | 100              |
|                        | 4 pole     | 100              | 4 pole     | 100              | 4 pole     | 100              |
|                        | 10 pole    | 10               | 10 pole    | 10               | 10 pole    | 10               |
| <b>Marking Tag</b>     | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) |



### HIGHLIGHTS

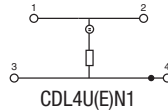
#### FEATURES

- Various configurations of Electronic components soldered into **CDL4U** double level terminal block
- Various Indicator options
- AC voltage indicator
- DC voltage indicator
- LED and Neon lamp versions
- 4 connection points for convenient wiring
- Terminal Block with open current bar **CDL4U(O)** can be individually soldered with electronic components
- Spacer **CDL4USP** can be used to cover overlapping components when soldered individually

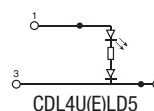
#### APPLICATIONS

- AC voltage indication
- DC voltage indication

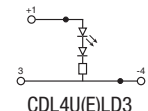
### CDL4U(E)N1



### CDL4U(E)LD5



### CDL4U(E)LD3



#### Dimensions & Weight

|                   | AC Voltage indicator with Neon lamp | AC Voltage indicator with LED | AC Voltage indicator with LED |
|-------------------|-------------------------------------|-------------------------------|-------------------------------|
| Width             | 6 mm                                | 6 mm                          | 6 mm                          |
| Length            | 55.5 mm                             | 55.5 mm                       | 55.5 mm                       |
| Height w DIN Rail | 55.7 mm<br>63.1 mm                  | 55.7 mm<br>63.1 mm            | 55.7 mm<br>63.1 mm            |
| Weight per piece  | 13.6 g                              | 12.4 g                        | 12.4 g                        |

#### Technical Data/Ratings

| Approvals                    |              |                       |          |              |                       |          |              |                       |          |
|------------------------------|--------------|-----------------------|----------|--------------|-----------------------|----------|--------------|-----------------------|----------|
|                              | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          | 22-10 AWG    | 0.2-4 mm <sup>2</sup> |          |
| Wire Size (solid / stranded) |              |                       |          |              |                       |          |              |                       |          |
| Voltage Rating               | 600 V        | 300 V                 | 500 V AC | 600 V        | 300 V                 | 500 V AC | 600 V        | 300 V                 | 500 V AC |
| Current Rating               | 35 A         | 25 A                  | 32 A     | 35 A         | 25 A                  | 32 A     | 35 A         | 25 A                  | 32 A     |
| Torque                       | 7 lb-in      |                       | 0.5 Nm   | 7 lb-in      |                       | 0.5 Nm   | 7 lb-in      |                       | 0.5 Nm   |
| Insulation Material          | Polyamide 66 |                       |          | Polyamide 66 |                       |          | Polyamide 66 |                       |          |

#### Electronic Component Specifications

| Diode Type                      | 1N 4007      | 1N 4007              | 1N 4007      |
|---------------------------------|--------------|----------------------|--------------|
| Diode Reverse Voltage / Current | 1000 V / 1 A | 1000 V / 1 A         | 1000 V / 1 A |
| Indicator Voltage               | 110, 220 VAC | 24, 48, 110, 220 VAC | 12, 24 VAC   |

#### Installation Instructions

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9 mm                   | 9 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

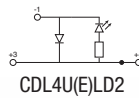
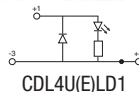
#### Terminal Blocks

|      | Cat. No.               | Std. Pk. | Cat. No.                | Std. Pk. | Cat. No.               | Std. Pk. |
|------|------------------------|----------|-------------------------|----------|------------------------|----------|
| Grey | <b>CDL4U(E)N1/110V</b> | 100      | <b>CDL4U(E)LD5/24V</b>  | 100      | <b>CDL4U(E)LD3/12V</b> | 100      |
|      | <b>CDL4U(E)N1/220V</b> | 100      | <b>CDL4U(E)LD5/48V</b>  | 100      | <b>CDL4U(E)LD3/24V</b> | 100      |
|      |                        |          | <b>CDL4U(E)LD5/110V</b> | 100      |                        |          |
|      |                        |          | <b>CDL4U(E)LD5/220V</b> | 100      |                        |          |

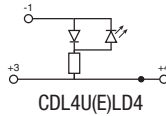
#### Accessories

|                 | Cat. No.         | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.         | Std. Pk. |
|-----------------|------------------|----------|------------------|----------|------------------|----------|
| End Plate       | EPCDL4U          | 50       | EPCDL4U          | 50       | EPCDL4U          | 50       |
| Spacer          | CDL4USP          | 50       | CDL4USP          | 50       | CDL4USP          | 50       |
| DIN Rail        | 2511120          | 20       | 2511120          | 20       | 2511120          | 20       |
|                 | CA701-15/S       | 20       | CA701-15/S       | 20       | CA701-15/S       | 20       |
|                 | 2511160          | 10       | 2511160          | 10       | 2511160          | 10       |
| End Stop        | CA702            | 50       | CA702            | 50       | CA702            | 50       |
|                 | CA802            | 50       | CA802            | 50       | CA802            | 50       |
| Internal Jumper | 2 pole CA727/2   | 100      | 2 pole CA727/2   | 100      | 2 pole CA727/2   | 100      |
|                 | 3 pole CA727/3   | 100      | 3 pole CA727/3   | 100      | 3 pole CA727/3   | 100      |
|                 | 4 pole CA727/4   | 100      | 4 pole CA727/4   | 100      | 4 pole CA727/4   | 100      |
|                 | 10 pole CA727/10 | 10       | 10 pole CA727/10 | 10       | 10 pole CA727/10 | 10       |
|                 | Marking Tag      | MT2      | 1 Pk. (100 tags) | MT2      | 1 Pk. (100 tags) | MT2      |

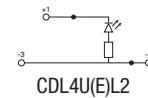
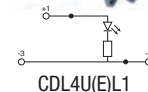
**CDL4U(E)LD1/LD2**



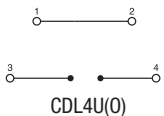
**CDL4U(E)LD4**



**CDL4U(E)L1/L2**



**CDL4U(O)**



**Dimensions & Weight**

|                           |                           |                    |                    |                    |
|---------------------------|---------------------------|--------------------|--------------------|--------------------|
| <b>Width</b>              | <b>6 mm</b>               | <b>6 mm</b>        | <b>6 mm</b>        | <b>6 mm</b>        |
| <b>Length</b>             | 55.5 mm                   | 55.5 mm            | 55.5 mm            | 55.5 mm            |
| <b>Height w/ DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm | 55.7 mm<br>63.1 mm | 55.7 mm<br>63.1 mm | 55.7 mm<br>63.1 mm |
| <b>Weight per piece</b>   | 12.4 g                    | 12.4 g             | 12.4 g             | 13.0 g             |

**Technical Data/Ratings**

|                                     |              |       |          |                       |       |          |           |       |          |                       |       |          |
|-------------------------------------|--------------|-------|----------|-----------------------|-------|----------|-----------|-------|----------|-----------------------|-------|----------|
| <b>Approvals</b>                    |              |       |          |                       |       |          |           |       |          |                       |       |          |
| <b>Wire Size (solid / stranded)</b> | 22-10 AWG    |       |          | 0.2-4 mm <sup>2</sup> |       |          | 22-10 AWG |       |          | 0.2-4 mm <sup>2</sup> |       |          |
| <b>Voltage Rating</b>               | 600 V        | 300 V | 500 V AC | 600 V                 | 300 V | 500 V AC | 600 V     | 300 V | 500 V AC | 600 V                 | 300 V | 500 V AC |
| <b>Current Rating</b>               | 35 A         | 25 A  | 32 A     | 35 A                  | 25 A  | 32 A     | 35 A      | 25 A  | 32 A     | 35 A                  | 35 A  | 32 A     |
| <b>Torque</b>                       | 7 lb-in      |       |          | 0.5 Nm                |       |          | 7 lb-in   |       |          | 0.5 Nm                |       |          |
| <b>Insulation Material</b>          | Polyamide 66 |       |          |                       |       |          |           |       |          |                       |       |          |

**Electronic Component Specifications**

|                                        |              |              |              |              |
|----------------------------------------|--------------|--------------|--------------|--------------|
| <b>Diode Type</b>                      | 1N 4007      | 1N 4007      | 1N 4007      | 1N 4007      |
| <b>Diode Reverse Voltage / Current</b> | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A |
| <b>Indicator Voltage</b>               | 12, 24 VAC   | 24, 48 VAC   | 6, 24 VAC    | -            |

**Installation Instructions**

|                              |                        |                        |                        |                        |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>Wire Stripping Length</b> | 9 mm                   | 9 mm                   | 9 mm                   | 9 mm                   |
| <b>Screwdriver</b>           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|             |                        |          |                        |          |                       |          |                 |          |
|-------------|------------------------|----------|------------------------|----------|-----------------------|----------|-----------------|----------|
| <b>Grey</b> | Cat. No.               | Std. Pk. | Cat. No.               | Std. Pk. | Cat. No.              | Std. Pk. | Cat. No.        | Std. Pk. |
|             | <b>CDL4U(E)LD1/12V</b> | 100      | <b>CDL4U(E)LD4/24V</b> | 100      | <b>CDL4U(E)L1/6V</b>  | 100      | <b>CDL4U(O)</b> | 100      |
|             | <b>CDL4U(E)LD1/24V</b> | 100      | <b>CDL4U(E)LD4/48V</b> | 100      | <b>CDL4U(E)L1/24V</b> | 100      |                 |          |
|             | <b>CDL4U(E)LD2/12V</b> | 100      |                        |          | <b>CDL4U(E)L2/6V</b>  | 100      |                 |          |
|             | <b>CDL4U(E)LD2/24V</b> | 100      |                        |          | <b>CDL4U(E)L2/24V</b> | 100      |                 |          |

**Accessories**

|                        |            |                  |            |                  |            |                  |            |                  |
|------------------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|
| <b>End Plate</b>       | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|                        | EPCDL4U    | 50               | EPCDL4U    | 50               | EPCDL4U    | 50               | EPCDL4U    | 50               |
| <b>Spacer</b>          | CDL4USP    | 50               | CDL4USP    | 50               | CDL4USP    | 50               | CDL4USP    | 50               |
| <b>DIN Rail</b>        | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                        | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|                        | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| <b>End Stop</b>        | CA702      | 50               | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                        | CA802      | 50               | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| <b>Internal Jumper</b> | CA727/2    | 100              | CA727/2    | 100              | CA727/2    | 100              | CA727/2    | 100              |
|                        | CA727/3    | 100              | CA727/3    | 100              | CA727/3    | 100              | CA727/3    | 100              |
|                        | CA727/4    | 100              | CA727/4    | 100              | CA727/4    | 100              | CA727/4    | 100              |
|                        | CA727/10   | 10               | CA727/10   | 10               | CA727/10   | 10               | CA727/10   | 10               |
| <b>Marking Tag</b>     | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) |

### HIGHLIGHTS

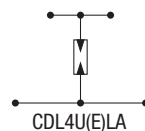
#### FEATURES

- Various solutions to protect single lines against surges
- Lightning Arrestors (**CDL4U(E)LA**)
- MOVs (**CDL4U(E)MOV**)
- RC Circuits (**CDL4U(E)RC**)
- Suppressor Diode (**CDL4U(E)SD**)

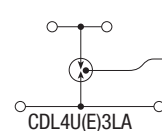
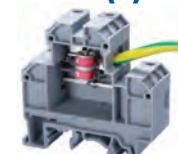
#### APPLICATIONS

- Surge suppressor applications
- Equipment protection

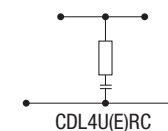
### CDL4U(E)LA



### CDL4U(E)3LA



### CDL4U(E)RC



#### Dimensions & Weight

|                   | CDL4U(E)LA                | CDL4U(E)3LA        | CDL4U(E)RC         |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 18 mm                     | 18 mm              | 18 mm              |
| Length            | 55.5 mm                   | 55.5 mm            | 55.5 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 55.7 mm<br>63.1 mm | 55.7 mm<br>63.1 mm |
| Weight per piece  | 30.0 g                    | 34.2 g             | 22.4 g             |

#### Technical Data/Ratings / Component Specifications

|                              | CDL4U(E)LA                  | CDL4U(E)3LA            | CDL4U(E)RC                                    |
|------------------------------|-----------------------------|------------------------|-----------------------------------------------|
| Wire Size (solid / stranded) | 22-10 AWG                   | 22-10 AWG              | 22-10 AWG                                     |
| Insulation Material          | Polyamide 66                | Polyamide 66           | Polyamide 66                                  |
| Nominal Current              | 10 A                        | 5 A                    | -                                             |
| Peak Current                 | -                           | -                      | 2kA-6.5kA (8/20μs)                            |
| Nominal Discharge Current    | 20 KA (8/20μs)              | 10 KA (8/20μs)         | -                                             |
| Response Time                | 100 ns                      | 100 ns                 | < 25 ns                                       |
| Capacitance                  | < 1.5 pf                    | < 1.0 pf               | 100 - 20,000 pf                               |
| Voltage Rating               | 75, 90, 230, 600, 1000 V DC | 90, 230, 350, 600 V DC | 30, 60, 75, 130, 275, 460, 510, 625, 680 V AC |

#### Installation Instructions

|                       | CDL4U(E)LA             | CDL4U(E)3LA            | CDL4U(E)RC             |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 9 mm                   | 9 mm                   | 9 mm                   |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

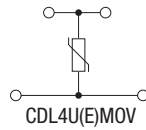
#### Terminal Blocks

|      | Cat. No.                | Std. Pk.  | Cat. No.                | Std. Pk.  | Cat. No.              | Std. Pk.  |
|------|-------------------------|-----------|-------------------------|-----------|-----------------------|-----------|
| Grey | <b>CDL4U(E)LA/75V</b>   | <b>20</b> | <b>CDL4U(E)3LA/90V</b>  | <b>20</b> | <b>0.1 μF</b>         | <b>10</b> |
|      | <b>CDL4U(E)LA/90V</b>   | <b>20</b> | <b>CDL4U(E)3LA/230V</b> | <b>20</b> | <b>CDL4U(E)RC0.1</b>  | <b>10</b> |
|      | <b>CDL4U(E)LA/230V</b>  | <b>20</b> | <b>CDL4U(E)3LA/350V</b> | <b>20</b> | <b>0.22 μF</b>        | <b>10</b> |
|      | <b>CDL4U(E)LA/600V</b>  | <b>20</b> | <b>CDL4U(E)3LA/600V</b> | <b>20</b> | <b>CDL4U(E)RC0.22</b> | <b>10</b> |
|      | <b>CDL4U(E)LA/1000V</b> | <b>20</b> |                         |           |                       |           |

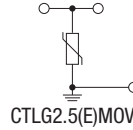
#### Accessories

|             | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|-------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate   | EPCDL4U    | 50               | EPCDL4U    | 50               | EPCDL4U    | 50               |
| Spacer      | CDL4USP    | 50               | CDL4USP    | 50               | CDL4USP    | 50               |
| DIN Rail    | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|             | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
|             | 2511160    | 10               | 2511160    | 10               | 2511160    | 10               |
| End Stop    | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|             | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| Marking Tag | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) | MT2        | 1 Pk. (100 tags) |

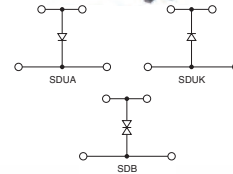
**CDL4U(E)MOV**



**CTLG2.5(E)MOV**



**CDL4U(E)SD**



**Dimensions & Weight**

|                          |                                        |                                        |                                                         |
|--------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------------|
|                          | MOV for voltage surge spike protection | MOV for voltage surge spike protection | Suppressor Diode to fine protect sensors, contacts, etc |
| <b>Width</b>             | <b>12 mm</b>                           | <b>6 mm</b>                            | <b>12 mm</b>                                            |
| <b>Length</b>            | 55.5 mm                                | 87.5 mm                                | 55.5 mm                                                 |
| <b>Height w DIN Rail</b> | 55.7 mm<br>63.1 mm                     | 66.0 mm<br>74.0 mm                     | 55.7 mm<br>63.1 mm                                      |
| <b>Weight per piece</b>  | 19.2 g                                 | 14.8 g                                 | 18.0 g                                                  |

**Technical Data/Ratings / Component Specifications**

|                                     |                                               |                    |                                               |
|-------------------------------------|-----------------------------------------------|--------------------|-----------------------------------------------|
| <b>Wire Size (solid / stranded)</b> | 22-10 AWG                                     | 22-10 AWG          | 22-10 AWG                                     |
| <b>Insulation Material</b>          | Polyamide 66                                  | Polyamide 66       | Polyamide 66                                  |
| <b>Nominal Current</b>              | -                                             | 5 A                | -                                             |
| <b>Peak Current</b>                 | 2kA-6.5kA (8/20µs)                            | 2kA-6.5kA (8/20µs) | -                                             |
| <b>Nominal Discharge Current</b>    | -                                             | 10 KA (8/20µs)     | 1.5 KA                                        |
| <b>Response Time</b>                | < 25 ns                                       | < 25 ns            | 1 ns (D.C) / 5 ns (A.C)                       |
| <b>Capacitance</b>                  | 100 - 20,000 pf                               | 100 - 20,000 pf    | -                                             |
| <b>Voltage Rating</b>               | 30, 60, 75, 130, 275, 460, 510, 625, 680 V AC | Up to 275V         | 30, 60, 75, 130, 275, 460, 510, 625, 680 V AC |

**Installation Instructions**

|                              |                        |                        |                        |
|------------------------------|------------------------|------------------------|------------------------|
| <b>Wire Stripping Length</b> | 9 mm                   | 9 mm                   | 9 mm                   |
| <b>Screwdriver</b>           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|             | Cat. No.               | Std. Pk. | Cat. No.                 | Std. Pk.                 | Cat. No.                 | Std. Pk. |
|-------------|------------------------|----------|--------------------------|--------------------------|--------------------------|----------|
| <b>Grey</b> | <b>CDL4U(E)MOV30V</b>  | 20       | <b>CTLG2.5(E)MOV30V</b>  | 20                       | <b>DC - Anode</b>        |          |
|             | <b>CDL4U(E)MOV60V</b>  | 20       | <b>CTLG2.5(E)MOV60V</b>  | 20                       | <b>CDL4U(E)SDUA12VDC</b> | 20       |
|             | <b>CDL4U(E)MOV75V</b>  | 20       | <b>CTLG2.5(E)MOV75V</b>  | 20                       | <b>CDL4U(E)SDUA24VDC</b> | 20       |
|             | <b>CDL4U(E)MOV130V</b> | 20       | <b>CTLG2.5(E)MOV130V</b> | 20                       | <b>CDL4U(E)SDUA48VDC</b> | 20       |
|             | <b>CDL4U(E)MOV275V</b> | 20       | <b>CTLG2.5(E)MOV275V</b> | 20                       | <b>DC - Cathode</b>      |          |
|             | <b>CDL4U(E)MOV460V</b> | 20       |                          |                          | <b>CDL4U(E)SDUK12VDC</b> | 20       |
|             | <b>CDL4U(E)MOV510V</b> | 20       |                          |                          | <b>CDL4U(E)SDUK24VDC</b> | 20       |
|             | <b>CDL4U(E)MOV625V</b> | 20       |                          |                          | <b>CDL4U(E)SDUK48VDC</b> | 20       |
|             | <b>CDL4U(E)MOV680V</b> | 20       |                          |                          | <b>AC</b>                |          |
|             |                        |          |                          |                          | <b>CDL4U(E)SDB12VAC</b>  |          |
|             |                        |          |                          | <b>CDL4U(E)SDB24VAC</b>  |                          |          |
|             |                        |          |                          | <b>CDL4U(E)SDB48VAC</b>  |                          |          |
|             |                        |          |                          | <b>CDL4U(E)SDB160VAC</b> |                          |          |

**Accessories**

|                    | Cat. No.                         | Std. Pk.         | Cat. No.                         | Std. Pk.         | Cat. No.                         | Std. Pk.         |
|--------------------|----------------------------------|------------------|----------------------------------|------------------|----------------------------------|------------------|
| <b>End Plate</b>   | EPCDL4U                          | 50               | EPCTLG2.5                        | 50               | EPCDL4U                          | 50               |
| <b>Spacer</b>      | CDL4USP                          | 50               | -                                | -                | CDL4USP                          | 50               |
| <b>DIN Rail</b>    | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10   |
| <b>End Stop</b>    | CA702<br>CA802                   | 50<br>50         | CA702<br>CA802                   | 50<br>50         | CA702<br>CA802                   | 50<br>50         |
| <b>Marking Tag</b> | MT2                              | 1 Pk. (100 tags) | MT2                              | 1 Pk. (100 tags) | MT2                              | 1 Pk. (100 tags) |



# ACCESSORIES

## SCREW TERMINAL BLOCKS

## JUMPER / SHORTING LINKS

### Internal Jumper



### Insulated Internal Jumper



### External Jumper



### Current Bar



### Shorting Sleeve & Screws



|                                                                                                                        | Poles                 | Cat. No.  | Std. Pk. | Cat. No.  | Std. Pk. | Cat. No. | Std. Pk. | Cat. No.  | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|----------|-----------|----------|----------|----------|-----------|----------|--------------|----------|
| <b>CTS2.5U-N</b>                                                                                                       | 2 Pole                | CA721/2   | 100      | CA741/2   | 100      | CA717/2  | 100      | CA703/01  | 100      | CA707/S/Q/01 | 100      |
|                                                                                                                        | 3 Pole                | CA721/3   | 100      | CA741/3   | 100      | CA717/3  | 100      | CA704/01  | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA721/4   | 100      | CA741/4   | 100      | CA717/4  | 100      | CA705/01  | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA721/10  | 10       | CA741/10  | 10       | CA717/10 | 20       | CA731/10  | 100      |              |          |
|                                                                                                                        | 100 Pole              | CA721/100 | 10       | CA741/100 | 10       | -        | -        | CA731/100 | 10       |              |          |
| <b>CTS4U-N, CCC4U, CMC1-2, CMC2-2, CDL4UN, CDL4U(I.S) CDLG4, CDLG(I.S), CF4SP, CF4SP(L), CKT4U<sup>1</sup>, CKT4SP</b> | 2 Pole                | CA722/2   | 100      | CA742/2   | 100      | CA714/2  | 100      | CA703/1   | 100      | CA707/S/Q/01 | 100      |
|                                                                                                                        | 3 Pole                | CA722/3   | 100      | CA742/3   | 100      | CA714/3  | 100      | CA704/1   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA722/4   | 100      | CA742/4   | 100      | CA714/4  | 100      | CA705/1   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA722/10  | 10       | CA742/10  | 10       | CA714/10 | 20       | CA732/10  | 100      |              |          |
|                                                                                                                        | 100 Pole              | CA722/100 | 10       | CA742/100 | 10       | -        | -        | CA732/100 | 10       |              |          |
| <b>CTS6U, CDS6U CDTTU<sup>1</sup>, CDTTU-SH<sup>1</sup></b>                                                            | 2 Pole                | CA723/2   | 100      | CA743/2   | 100      | CA710/2  | 100      | CA703/2   | 100      | CA707/S/Q/1  | 100      |
|                                                                                                                        | 3 Pole                | CA723/3   | 50       | CA743/3   | 50       | CA710/3  | 50       | CA704/2   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA723/4   | 50       | CA743/4   | 50       | CA710/4  | 50       | CA705/2   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA723/10  | 10       | CA743/10  | 10       | CA710/10 | 20       | CA733/10  | 10       |              |          |
| <b>CTS10U</b>                                                                                                          | 2 Pole                | CA724/2   | 100      | CA744/2   | 100      | CA718/2  | 100      | CA703/3   | 100      | CA707/S/Q/1  | 100      |
|                                                                                                                        | 3 Pole                | CA724/3   | 50       | CA744/3   | 50       | CA718/3  | 50       | CA704/3   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA724/4   | 50       | CA744/4   | 50       | CA718/4  | 50       | CA705/3   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA724/10  | 10       | CA744/10  | 10       | CA718/10 | 20       | CA734/10  | 10       |              |          |
| <b>CTS16U</b>                                                                                                          | 2 Pole                | CA751/2   | 50       | CA761/2   | 50       | -        | -        | CA703/8   | 100      | CA707/S/Q/1  | 100      |
|                                                                                                                        | 3 Pole                | CA751/3   | 50       | CA761/3   | 50       | -        | -        | CA704/8   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA751/4   | 50       | CA761/4   | 50       | -        | -        | CA705/8   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA751/10  | 10       | CA761/10  | 10       | -        | -        | CA739/10  | 10       |              |          |
| <b>CTS25UN</b>                                                                                                         | 2 Pole                | CA725/2   | 50       | CA745/2   | 50       | -        | -        | CA703/4   | 100      | CA707/S/Q/2  | 100      |
|                                                                                                                        | 3 Pole                | CA725/3   | 20       | CA745/3   | 20       | -        | -        | CA704/4   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA725/4   | 20       | CA745/4   | 20       | -        | -        | CA705/4   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA725/10  | 10       | CA745/10  | 10       | -        | -        | CA735/10  | 100      |              |          |
| <b>CTS35UN</b>                                                                                                         | 2 Pole                | CA771/2   | 50       | CA781/2   | 50       | -        | -        | CA703/10  | 100      | CA707/S/Q/2  | 100      |
|                                                                                                                        | 3 Pole                | CA771/3   | 20       | CA781/3   | 20       | -        | -        | CA704/10  | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA771/4   | 20       | CA781/4   | 20       | -        | -        | CA705/10  | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA771/10  | 10       | CA781/10  | 10       | -        | -        | CA770/10  | 10       |              |          |
| <b>CTS50/70N</b>                                                                                                       | 2 Pole                | CA628/2   | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | CA628/3   | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
| <b>CTS95/120N</b>                                                                                                      | 2 Pole                | CA629/2   | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | CA629/3   | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
| <b>CTL2.5U, CTL2.5U(L) CTL2.5U-H, CTL2.5U-H(L) CTL2.5U(I.S)</b>                                                        | 2 Pole                | CA722/2   | 100      | -         | -        | CA715/2  | 100      | CA703/1   | 100      | CA707/S/Q/01 | 100      |
|                                                                                                                        | 3 Pole                | CA722/3   | 100      | -         | -        | CA715/3  | 100      | CA704/1   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA722/4   | 100      | -         | -        | CA715/4  | 100      | CA705/1   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA722/10  | 10       | -         | -        | CA715/10 | 20       | CA732/10  | 100      |              |          |
|                                                                                                                        | 100 Pole <sup>2</sup> | CA722/100 | 10       | -         | -        | -        | -        | CA732/100 | 10       |              |          |
| <b>ODL4U CDL4U(E) CMT4 CMB4</b>                                                                                        | 2 Pole                | CA727/2   | 100      | CA747/2   | 100      | CA714/2  | 100      | CA703/1   | 100      | CA607/S/Q    | 100      |
|                                                                                                                        | 3 Pole                | CA727/3   | 100      | CA747/3   | 100      | CA714/3  | 100      | CA704/1   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA727/4   | 100      | CA747/4   | 100      | CA714/4  | 100      | CA705/1   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA727/10  | 10       | CA747/10  | 10       | CA714/10 | 20       | CA732/10  | 100      |              |          |
|                                                                                                                        | 100 Pole <sup>2</sup> | CA727/100 | 10       | CA747/100 | 10       | -        | -        | CA732/100 | 10       |              |          |
| <b>CDLG2.5 CTLG2.5</b>                                                                                                 | 2 Pole                | CA627/2   | 100      | -         | -        | CA715/2  | 100      | CA703/1   | 100      | CA611/S/Q    | 100      |
|                                                                                                                        | 3 Pole                | CA627/3   | 100      | -         | -        | CA715/3  | 100      | CA704/1   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA627/4   | 100      | -         | -        | CA715/4  | 100      | CA705/1   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA627/10  | 10       | -         | -        | CA715/10 | 20       | CA732/10  | 10       |              |          |
| <b>CF4U<sup>1</sup> CF4U(L)<sup>1</sup></b>                                                                            | 2 Pole                | -         | -        | -         | -        | CA711/2  | 100      | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | -         | -        | -         | -        | CA711/3  | 50       | -         | -        | -            | -        |
|                                                                                                                        | 4 Pole                | -         | -        | -         | -        | CA711/4  | 50       | -         | -        | -            | -        |
|                                                                                                                        | 10 Pole               | -         | -        | -         | -        | CA711/10 | 20       | -         | -        | -            | -        |
| <b>DDFL4U, DDFL4U(E) DDFL4ULR, DDFL4ULR(E) CSDL4U<sup>1</sup>, DDDL4U</b>                                              | 2 Pole                | CA729/2   | 100      | CA749/2   | 100      | CA711/2  | 100      | CA703/6   | 100      | CA707/S/Q/3  | 100      |
|                                                                                                                        | 3 Pole                | CA729/3   | 50       | CA749/3   | 50       | CA711/3  | 50       | CA704/6   | 100      |              |          |
|                                                                                                                        | 4 Pole                | CA729/4   | 50       | CA749/4   | 50       | CA711/4  | 50       | CA705/6   | 100      |              |          |
|                                                                                                                        | 10 Pole               | CA729/10  | 10       | CA749/10  | 10       | CA711/10 | 20       | CA737/10  | 100      |              |          |
| <b>CAFL4U<sup>1</sup> CAFL4U(L)<sup>1</sup> CAFL4U(N)<sup>1</sup></b>                                                  | 2 Pole                | -         | -        | -         | -        | CA716/2  | 50       | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | -         | -        | -         | -        | CA716/3  | 50       | -         | -        | -            | -        |
|                                                                                                                        | 4 Pole                | -         | -        | -         | -        | CA716/4  | 50       | -         | -        | -            | -        |
|                                                                                                                        | 10 Pole               | -         | -        | -         | -        | CA716/10 | 20       | -         | -        | -            | -        |
| <b>CHV4U CTS4USC</b>                                                                                                   | 2 Pole                | CA623/2   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | CA623/3   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 4 Pole                | CA623/4   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 10 Pole               | CA623/10  | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
| <b>CHV6U CTS6USC</b>                                                                                                   | 2 Pole                | CA624/2   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | CA624/3   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 4 Pole                | CA624/4   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 10 Pole               | CA624/10  | 10       | -         | -        | -        | -        | -         | -        | -            | -        |
| <b>CHV10U CTS10USC</b>                                                                                                 | 2 Pole                | CA625/2   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 3 Pole                | CA625/3   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 4 Pole                | CA625/4   | 100      | -         | -        | -        | -        | -         | -        | -            | -        |
|                                                                                                                        | 10 Pole               | CA625/10  | 10       | -         | -        | -        | -        | -         | -        | -            | -        |

<sup>1</sup> Internal shorting system not available.

<sup>2</sup> 100 pole strip is breakable into any number of poles needed.

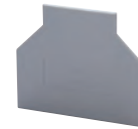
VARIOUS ACCESSORIES

ENDPLATES



| Terminal Block                   | Cat. No.        | Dimensions          | Std. Pk. |
|----------------------------------|-----------------|---------------------|----------|
| <b>CTS2.5U-N, CTS4U-N</b>        | EP2.5/4UN       | 32 x 39 x 1.5mm     | 50       |
| <b>CTT2.5UK/J/T/E</b>            |                 |                     |          |
| <b>CCTS6U, CTS10U</b>            | EP6/10U         | 31 x 42.5 x 1.5mm   | 50       |
| <b>CMC1-2</b>                    | EPCMC1-2        | 35.5 x 46.5 x 2.5mm | 50       |
| <b>CMC2-2, CMCG4</b>             | EPCMC2-2        | 40.5 x 65 x 2.5mm   | 50       |
| <b>CDL4UN, CDLG4</b>             | EPCDL4UN        | 47.5 x 57 x 1.5mm   | 50       |
| <b>CDLG2.5</b>                   | EPCDLG2.5       | 48 x 71.4 x 1.2mm   | 50       |
| <b>CTLG2.5</b>                   | EPCTLG2.5       | 62.5 x 87.5 x 1.2mm | 50       |
| <b>ODL4U</b>                     | EPODL4U (Front) | 49 x 86 x 5.5mm     | 50       |
|                                  | EP10DL4U (Back) | 24 x 68 x 3mm       | 50       |
| <b>CHV Series, CTSUSC Series</b> | EPUSC           | 52 x 48.5 x 1.5mm   | 50       |
| <b>CTL2.5U Series</b>            | EPCTL2.5U       | 55.5 x 84 x 1.5mm   | 50       |
| <b>CTL2.5U-H Series</b>          | EPCTL2.5U-H     | 55.5 x 61 x 1.5mm   | 50       |
| <b>CAFL4U Series</b>             | EPCAF4U         | 32 x 72 x 1.5mm     | 50       |
| <b>CDS6U</b>                     | EPCDS6U         | 37.2 x 82 x 1.5mm   | 50       |
| <b>CKT4U</b>                     | EPCKT4U         | 30.5 x 46.5 x 2.5mm | 50       |
| <b>EPCKT4U</b>                   | EPCKT4U/4       | 65 x 38.3 x 1.5mm   | 50       |
| <b>CDTTU Series</b>              | EPCDTTU         | 41 x 63 x 3mm       | 50       |
| <b>CSDL4U</b>                    | EPCSFL4U        | 28 x 55.5 x 1.6mm   | 50       |
| <b>DDDL4U, DDFL4U</b>            | EPDDL4U         | 49 x 87.6 x 3mm     | 50       |
| <b>CDL4U(E)</b>                  | EPCDL4U         | 43 x 55 x 2.4mm     | 50       |
| <b>CTC4U</b>                     | EPCTC4U         | 34.5 x 47 x 2.5mm   | 50       |
| <b>CMT4</b>                      | EPCMT4          | 23 x 27 x 1.5mm     | 50       |
| <b>CMB4</b>                      | EPCMB4          | 27 x 27 x 7mm       | 50       |
| <b>ODL2.5 Series</b>             | EPODL2.5        | 49 x 59 x 4.6mm     | 50       |
|                                  | EP10DL2.5       | 23 x 59 x 2.5mm     | 50       |

PARTITION PLATES



| Terminal Block            | Cat. No.  | Dimensions        | Std. Pk. |
|---------------------------|-----------|-------------------|----------|
| <b>CTS2.5U-N, CTS4U-N</b> | PP2.5/4UN | 37 x 44 x 1.6mm   | 50       |
| <b>CTT2.5UK/J/T/E</b>     |           |                   |          |
| <b>CTS6U, CTS10U</b>      | PP6/10U   | 37.5 x 56 x 1.5mm | 50       |
| <b>CTS25UN</b>            | PP25UN    | 42.5 x 62 x 1mm   | 50       |
| <b>CTS35UN</b>            | PP35UN    | 50 x 64.5 x 1mm   | 50       |
| <b>CMT4</b>               | PPCMT4    | 32 x 37 x 1.6mm   | 50       |

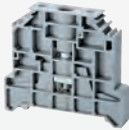
SEPARATOR PLATES



| Terminal Block               | Cat. No.  | Dimensions          | Std. Pk. |
|------------------------------|-----------|---------------------|----------|
| <b>CTS2.5U-N, CTS4U-N</b>    | SP2.5/4UN | 17.5 x 17.4 x 1.4mm | 100      |
| <b>CTT2.5UK/J/T/E</b>        |           |                     |          |
| <b>CTS6U, CTS10U, CTS16U</b> | SP6/10U   | 15.4 x 16.2 x 1.5mm | 100      |
| <b>CSL4UN, CDL4UN(I.S.)</b>  | SPCDL4U   | 15.4 x 16.2 x 1.6mm | 100      |
| <b>CBM4</b>                  | SPCMB4    | 14.5 x 12 x 1.5mm   | 100      |
| <b>CDLG2.5</b>               | SPCDLG2.5 | 11 x 10.5 x 1       | 100      |

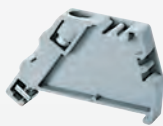
END STOPS

CA202



| Cat. No. | Dimensions        | Std. Pk. |
|----------|-------------------|----------|
| CA202    | 44.5 x 50 x 9.5mm | 50       |

CA802



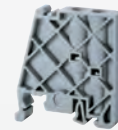
| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA802    | 45 x 32 x 8mm | 50       |

CA702



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA702    | 34 x 45 x 9mm | 50       |

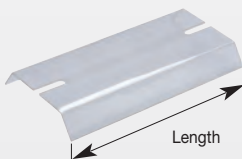
CA102



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA102    | 80 x 46 x 9mm | 50       |

PROTECTIVE COVER

CTSPC COVER

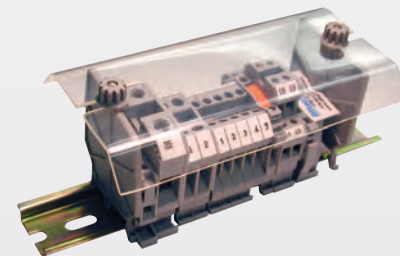


| Cat. No.  | Length | Std. Pk. |
|-----------|--------|----------|
| CTSPC/40  | 40mm   | 2        |
| CTSPC/90  | 90mm   | 2        |
| CTSPC/100 | 100mm  | 2        |
| CTSPC/130 | 130mm  | 2        |
| CTSPC/150 | 150mm  | 2        |
| CTSPC/200 | 200mm  | 2        |
| CTSPC/300 | 300mm  | 2        |
| CTSPC/330 | 330mm  | 2        |

SUPPORT PLATE

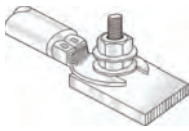


| Cat. No. | Std. Pk. |
|----------|----------|
| CSP1     | 50       |



Assembled Block installed with Protective Cover

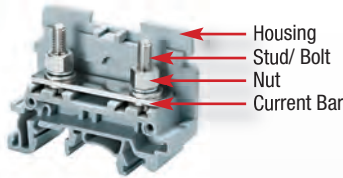
### LUG/ STUD TYPE CONNECTION TECHNOLOGY



- Accepts Ring/ Fork Lug Cable Lugs
- Withstands severe vibration
- Reliable Gas-tight connection
- For very large wire sizes (up to 350 kcmil)
- High Torque values
- Secure connection
- Hinged cover featuring captive nut system guarantees quick and easy ring lug wiring



### MATERIAL SPECIFICATIONS



#### Current Carrying Metal

*Corrosion free material*

- Bolt: zinc chromate passivated steel
- Nut/ Screw: zinc chromate passivated steel
- Current Bar: nickel plated copper alloy/ tin plated copper

#### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

#### Polyamide 66 Specifications

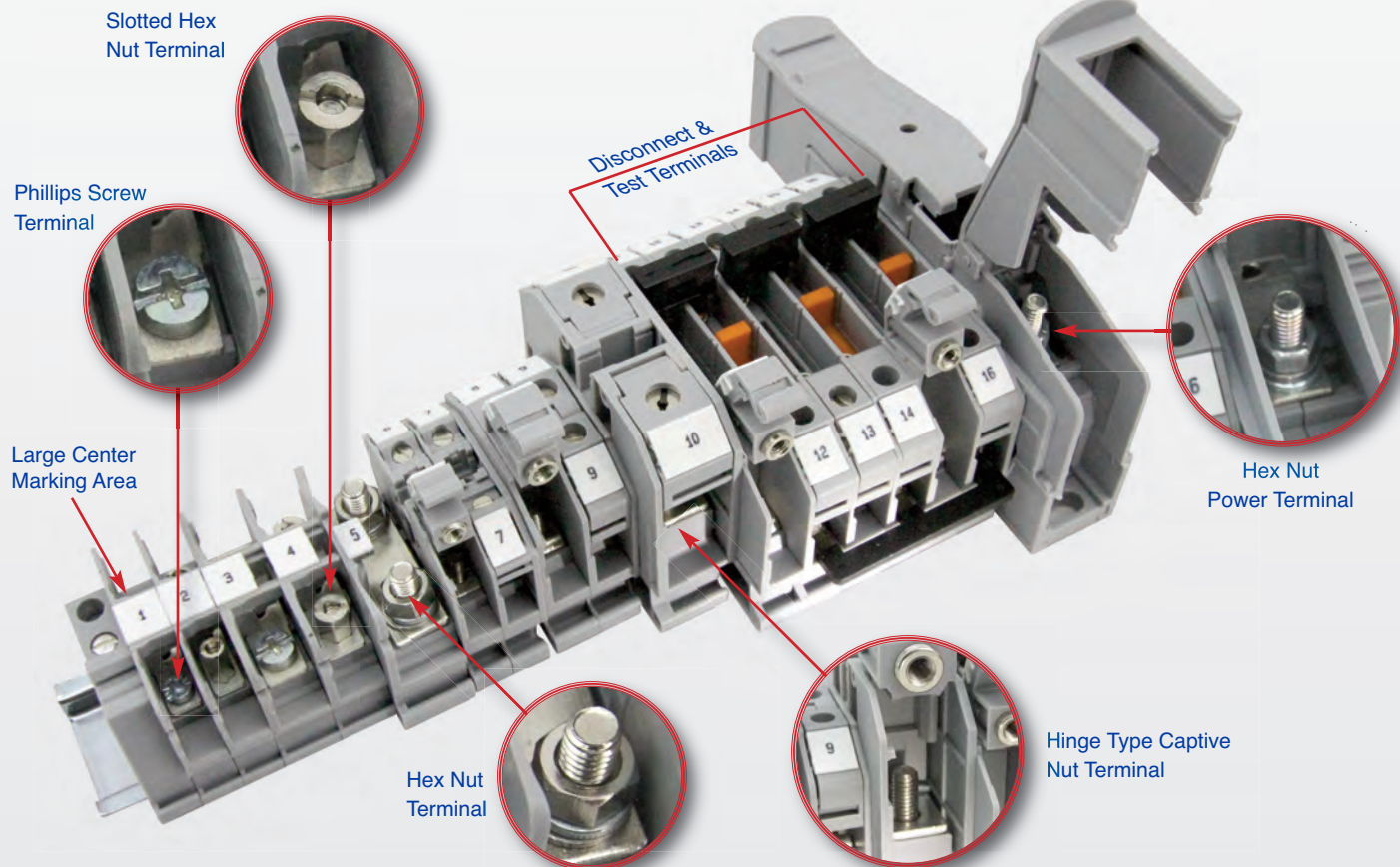
- Upper Temperature Limit: 105°C
- Lower Temperature Limit: -50°C
- Flammability UL94: V2/ V0
- Volume Resistivity:  $10^{12} \Omega \text{ cm}$
- Surface Resistivity:  $10^{10} \Omega$

### INSTALLATION GUIDELINES



- 1 Remove screw/ nut by using wrench/ hex nut driver
- 2 Place cable with ring/ fork cable lug on stud
- 3 Tighten screw/ nut to specified torque by using wrench/hex nut driver

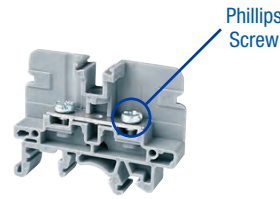
### RING LUG TERMINAL CONNECTION TYPES AND FEATURES



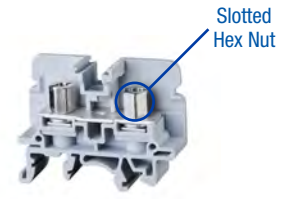
**Ring Lug Barrier Terminal Blocks**

**FEATURES**

- Phillips Screw (CBS Series)
- Slotted Hex Nut (CSB Series)
- 22-4 AWG
- Up to 85A



**CBS Series**  
page 52

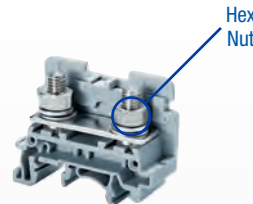


**CSB Series**  
page 53

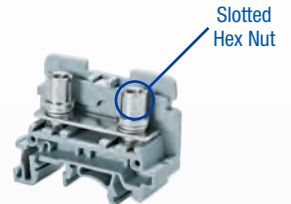
**Ring Lug Stud Terminal Blocks**

**FEATURES**

- Hex Nut (CSTSN Series)
- Slotted Hex Nut (CSTSB Series)
- 22-2 AWG
- Up to 125A



**CSTSN Series**  
page 54



**CSTSB Series**  
page 55

**Ring Lug Hinge Terminal Blocks**

**FEATURES**

- Captive Nut Built-In Hinge
- Feed-Through Terminals
- Disconnect Terminals
- 22-2 AWG
- Up to 115A



**Feed-Through**  
page 56



**Disconnect**  
page 57

**Ring Lug Power Terminal Blocks**

**FEATURES**

- Nut/Bolt Connection
- Threaded Current Bar
- 10 AWG - 350 kcmil
- up to 310A

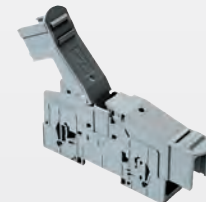


**CBB Series**  
page 58-59

**High Current Power Terminal Blocks**

**FEATURES**

- Captive Bolt System
- 8-4/0 AWG
- Up to 230A
- Protective Cover
- Stackable



**PTB Series**  
page 60

**Accessories**



page 61



## HIGHLIGHTS

### FEATURES

- Various sizes
  - Wire size up to 4 AWG
  - Current rating up to 85 A
- Suitable for standard fork type / ring lug connectors
- Version with standard Phillips Screw (**CBS Series**)
- Version with slotted nut (**CSB Series**)
- Compact design
- 2, 3, 4 pole fork type and ring lug jumpers

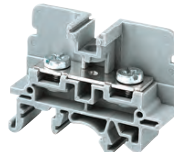
### APPLICATIONS

- Applications with vibration
  - Machinery
  - Transportation
  - Vehicles
- Provides solution when ring / fork lug is needed
- Compact / Space saving Panels

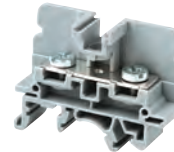
### CBS3U



### CBS4U



### CBS5U



### Dimensions & Weight

|                                                | 50 A Ring Lug Terminal<br>Phillips Screw Head | 65 A Ring Lug Terminal<br>Phillips Screw Head | 85 A Ring Lug Terminal<br>Phillips Screw Head |
|------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Width                                          | 9 mm                                          | 13 mm                                         | 13 mm                                         |
| Length                                         | 49 mm                                         | 49 mm                                         | 49 mm                                         |
| Height w DIN Rail<br>35 x 7.5 mm<br>35 x 15 mm | 38 mm<br>45.5 mm                              | 38 mm<br>45.5 mm                              | 38 mm<br>45.5 mm                              |
| Weight per piece                               | 7.4 g                                         | 12.4 g                                        | 13.8 g                                        |

### Technical Data/Ratings

| Approvals           |                              |             |                       |             |                        |             |
|---------------------|------------------------------|-------------|-----------------------|-------------|------------------------|-------------|
|                     | Wire Size (solid / stranded) | 22-8 AWG    | 0.5-6 mm <sup>2</sup> | 16-6 AWG    | 1.5-10 mm <sup>2</sup> | 16-4 AWG    |
| Voltage Rating      | 600 V                        | 1000V AC/DC | 600 V                 | 1000V AC/DC | 600 V                  | 1000V AC/DC |
| Current Rating      | 50 A                         | 41 A        | 65 A                  | 57 A        | 85 A                   | 76 A        |
| Torque              | 4.5 lb-in                    | 0.5 Nm      | 10 lb-in              | 1.2 Nm      | 25 lb-in               | 2.0 Nm      |
| Insulation Material | Polyamide 66                 |             | Polyamide 66          |             | Polyamide 66           |             |

### Installation Instructions

|                       |             |             |             |
|-----------------------|-------------|-------------|-------------|
| Wire Stripping Length | —           | —           | —           |
| Screw / Stud Size     | M3          | M4          | M5          |
| Screwdriver           | Phillips #2 | Phillips #2 | Phillips #2 |

### Terminal Blocks

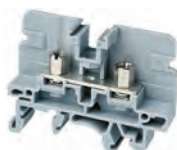
|                        | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|--------------|----------|--------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>CBS3U</b> | 50       | <b>CBS4U</b> | 50       | <b>CBS5U</b> | 50       |
| Red R                  | CBS3U/R      | 50       | CBS4U/R      | 50       | CBS5U/R      | 50       |
| Blue BU                | CBS3U/BU     | 50       | CBS4U/BU     | 50       | CBS5U/BU     | 50       |
| Black BL               | CBS3U/BL     | 50       | CBS4U/BL     | 50       | CBS5U/BL     | 50       |
| Orange O               | CBS3U/O      | 50       | CBS4U/O      | 50       | CBS5U/O      | 50       |
| Green G                | CBS3U/G      | 50       | CBS4U/G      | 50       | CBS5U/G      | 50       |
| Yellow Y               | CBS3U/Y      | 50       | CBS4U/Y      | 50       | CBS5U/Y      | 50       |
| White W                | CBS3U/W      | 50       | CBS4U/W      | 50       | CBS5U/W      | 50       |

### Accessories

|                            | Cat. No.                | Std. Pk.         | Cat. No.                | Std. Pk.         | Cat. No.                | Std. Pk.         |
|----------------------------|-------------------------|------------------|-------------------------|------------------|-------------------------|------------------|
| End Plate                  | EPCBS3U                 | 50               | EPCBS3U                 | 50               | EPCBS3U                 | 50               |
| DIN Rail                   | 2511120                 | 20               | 2511120                 | 20               | 2511120                 | 20               |
|                            | CA701-15/S              | 20               | CA701-15/S              | 20               | CA701-15/S              | 20               |
|                            | 2511160                 | 10               | 2511160                 | 10               | 2511160                 | 10               |
| End Stop                   | CA802                   | 50               | CA802                   | 50               | CA802                   | 50               |
| Insulated Jumper Fork Type | 2 pole<br>CA514/15-2    | 100              | 2 pole<br>CA514/2-2     | 100              | 2 pole<br>CA514/2-2     | 100              |
|                            | 3 pole<br>CA514/15-3    | 50               | 3 pole<br>CA514/2-3     | 50               | 3 pole<br>CA514/2-3     | 50               |
|                            | 4 pole<br>CA514/15-4    | 50               | 4 pole<br>CA514/2-4     | 50               | 4 pole<br>CA514/2-4     | 50               |
| Insulated Jumper Ring Lug  | 2 pole<br>CA514/17-2    | 100              | 2 pole<br>CA514/4-2     | 100              | 2 pole<br>CA514/4-2     | 100              |
|                            | 3 pole<br>CA514/17-3    | 50               | 3 pole<br>CA514/4-3     | 50               | 3 pole<br>CA514/4-3     | 50               |
|                            | 4 pole<br>CA514/17-4    | 50               | 4 pole<br>CA514/4-4     | 50               | 4 pole<br>CA514/4-4     | 50               |
| Internal Jumper            | 2 pole<br>CA728/2       | 100              | 2 pole<br>CA772/2       | 100              | 2 pole<br>CA772/2       | 100              |
|                            | 3 pole<br>CA728/3       | 100              | 3 pole<br>CA772/3       | 100              | 3 pole<br>CA772/3       | 100              |
|                            | 4 pole<br>CA728/4       | 100              | 4 pole<br>CA772/4       | 100              | 4 pole<br>CA772/4       | 100              |
|                            | 10 pole<br>CA728/10     | 10               | 10 pole<br>CA772/10     | 10               | 10 pole<br>CA772/10     | 10               |
| Protective Cover           | 2 Terminal<br>CSTSPC2   | —                | 2 Terminal<br>CSTSPC2   | 10               | 2 Terminal<br>CSTSPC2   | 10               |
|                            | 3 Terminal<br>CSTSPC2-1 | 10               | 3 Terminal<br>CSTSPC2-1 | 10               | 3 Terminal<br>CSTSPC2-1 | 10               |
|                            | 4 Terminal<br>CSTSPC2-1 | 10               | —                       | —                | —                       | —                |
|                            | 100 mm<br>CSTSPC1-2     | 10               | 100 mm<br>CSTSPC1-2     | 10               | 100 mm<br>CSTSPC1-2     | 10               |
|                            | 200 mm<br>CSTSPC1-3     | 10               | 200 mm<br>CSTSPC1-3     | 10               | 200 mm<br>CSTSPC1-3     | 10               |
|                            | 300 mm<br>CSTSPC1-4     | 10               | 300 mm<br>CSTSPC1-4     | 10               | 300 mm<br>CSTSPC1-4     | 10               |
| Marking Tag                | MT9                     | 1 Pk. (100 tags) | MT9                     | 1 Pk. (100 tags) | MT9                     | 1 Pk. (100 tags) |



**CSB3/N3U**



**CSB3/N3UL**



**CSB4/N4U**



**CSB5/N5U**



**Dimensions & Weight**

|                           | 50 A Ring Lug Terminal<br>Slotted Hex Nut | 50 A Ring Lug Terminal<br>Long Slotted Hex Nut | 65 A Ring Lug Terminal<br>Slotted Hex Nut | 85 A Ring Lug Terminal<br>Slotted Hex Nut |
|---------------------------|-------------------------------------------|------------------------------------------------|-------------------------------------------|-------------------------------------------|
| <b>Width</b>              | <b>9 mm</b>                               | <b>9 mm</b>                                    | <b>13 mm</b>                              | <b>13 mm</b>                              |
| <b>Length</b>             | 49 mm                                     | 49 mm                                          | 49 mm                                     | 49 mm                                     |
| <b>Height w/ DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm                 | 38 mm<br>45.5 mm                               | 38 mm<br>45.5 mm                          | 38 mm<br>45.5 mm                          |
| <b>Weight per piece</b>   | 10.2 g                                    | 11.7 g                                         | 19.0 g                                    | 19.0 g                                    |

**Technical Data/Ratings**

| Approvals                           |                 |                       |                 |                       |                 |                        |                 |                        |
|-------------------------------------|-----------------|-----------------------|-----------------|-----------------------|-----------------|------------------------|-----------------|------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>22-8 AWG</b> | 0.5-6 mm <sup>2</sup> | <b>22-8 AWG</b> | 0.5-6 mm <sup>2</sup> | <b>16-6 AWG</b> | 1.5-10 mm <sup>2</sup> | <b>16-4 AWG</b> | 1.5-16 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V           | 1000V AC/DC           | 600 V           | 1000V AC/DC           | 600 V           | 1000V AC/DC            | 600 V           | 1000V AC/DC            |
| <b>Current Rating</b>               | 50 A            | 41 A                  | 50 A            | 41 A                  | 65 A            | 57 A                   | 85 A            | 76 A                   |
| <b>Torque</b>                       | 4.5 lb-in       | 0.5 Nm                | 4.5 lb-in       | 0.5 Nm                | 10 lb-in        | 1.2 Nm                 | 25 lb-in        | 2.0 Nm                 |
| <b>Insulation Material</b>          | Polyamide 66    |                       | Polyamide 66    |                       | Polyamide 66    |                        | Polyamide 66    |                        |

**Installation Instructions**

|                              |                     |  |                        |  |                        |  |                        |  |
|------------------------------|---------------------|--|------------------------|--|------------------------|--|------------------------|--|
| <b>Wire Stripping Length</b> | —                   |  | —                      |  | —                      |  | —                      |  |
| <b>Screw / Stud Size</b>     | M3                  |  | M3                     |  | M4                     |  | M5                     |  |
| <b>Screwdriver</b>           | Hex Nut Driver 7 mm |  | Flat Head 1.0 x 5.5 mm |  | Flat Head 1.0 x 5.5 mm |  | Flat Head 1.0 x 5.5 mm |  |

**Terminal Blocks**

|                        | Cat. No.        | Std. Pk. | Cat. No.         | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. |
|------------------------|-----------------|----------|------------------|----------|-----------------|----------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CSB3/N3U</b> | 50       | <b>CSB3/N3UL</b> | 50       | <b>CSB4/N4U</b> | 50       | <b>CSB5/N5U</b> | 50       |
| Red R                  | CSB3/N3U/R      | 50       | CSB3/N3UL/R      | 50       | CSB4/N4U/R      | 50       | CSB5/N5U/R      | 50       |
| Blue BU                | CSB3/N3U/BU     | 50       | CSB3/N3UL/BU     | 50       | CSB4/N4U/BU     | 50       | CSB5/N5U/BU     | 50       |
| Black BL               | CSB3/N3U/BL     | 50       | CSB3/N3UL/BL     | 50       | CSB4/N4U/BL     | 50       | CSB5/N5U/BL     | 50       |
| Orange O               | CSB3/N3U/O      | 50       | CSB3/N3UL/O      | 50       | CSB4/N4U/O      | 50       | CSB5/N5U/O      | 50       |
| Green G                | CSB3/N3U/G      | 50       | CSB3/N3UL/G      | 50       | CSB4/N4U/G      | 50       | CSB5/N5U/G      | 50       |
| Yellow Y               | CSB3/N3U/Y      | 50       | CSB3/N3UL/Y      | 50       | CSB4/N4U/Y      | 50       | CSB5/N5U/Y      | 50       |
| White W                | CSB3/N3U/W      | 50       | CSB3/N3UL/W      | 50       | CSB4/N4U/W      | 50       | CSB5/N5U/W      | 50       |

**Accessories**

|                                   | Cat. No.                                                         | Std. Pk.                        | Cat. No.                                                         | Std. Pk.                        | Cat. No.                                                         | Std. Pk.                        | Cat. No.                                                         | Std. Pk.                        |
|-----------------------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------|---------------------------------|
| <b>End Plate</b>                  | EPCBS3U                                                          | 50                              | EPCBS3U                                                          | 50                              | EPCBS3U                                                          | 50                              | EPCBS3U                                                          | 50                              |
| <b>DIN Rail</b>                   | 2511120<br>CA701-15/S<br>2511160                                 | 20<br>20<br>10                  | 2511120<br>CA701-15/S<br>2511160                                 | 20<br>20<br>10                  | 2511120<br>CA701-15/S<br>2511160                                 | 20<br>20<br>10                  | 2511120<br>CA701-15/S<br>2511160                                 | 20<br>20<br>10                  |
| <b>End Stop</b>                   | CA802                                                            | 50                              | CA802                                                            | 50                              | CA802                                                            | 50                              | CA802                                                            | 50                              |
| <b>Insulated Jumper Fork Type</b> | CA514/15-2<br>CA514/15-3<br>CA514/15-4                           | 100<br>50<br>50                 | CA514/15-2<br>CA514/15-3<br>CA514/15-4                           | 100<br>50<br>50                 | CA514/2-2<br>CA514/2-3<br>CA514/2-4                              | 100<br>50<br>50                 | CA514/2-2<br>CA514/2-3<br>CA514/2-4                              | 100<br>50<br>50                 |
| <b>Insulated Jumper Ring Lug</b>  | CA514/17-2<br>CA514/17-3<br>CA514/17-4                           | 100<br>50<br>50                 | CA514/17-2<br>CA514/17-3<br>CA514/17-4                           | 100<br>50<br>50                 | CA514/4-2<br>CA514/4-3<br>CA514/4-4                              | 100<br>50<br>50                 | CA514/4-2<br>CA514/4-3<br>CA514/4-4                              | 100<br>50<br>50                 |
| <b>Internal Jumper</b>            | CA728/2<br>CA728/3<br>CA728/4<br>CA728/10                        | 100<br>100<br>100<br>10         | CA728/2<br>CA728/3<br>CA728/4<br>CA728/10                        | 100<br>100<br>100<br>10         | CA772/2<br>CA772/3<br>CA772/4<br>CA772/10                        | 100<br>100<br>100<br>10         | CA772/2<br>CA772/3<br>CA772/4<br>CA772/10                        | 100<br>100<br>100<br>10         |
| <b>Protective Cover</b>           | —<br>CSTSPC2<br>CSTSPC2-1<br>CSTSPC1-2<br>CSTSPC1-3<br>CSTSPC1-4 | —<br>10<br>10<br>10<br>10<br>10 | —<br>CSTSPC2<br>CSTSPC2-1<br>CSTSPC1-2<br>CSTSPC1-3<br>CSTSPC1-4 | —<br>10<br>10<br>10<br>10<br>10 | CSTSPC2<br>CSTSPC2-1<br>—<br>CSTSPC1-2<br>CSTSPC1-3<br>CSTSPC1-4 | 10<br>10<br>—<br>10<br>10<br>10 | CSTSPC2<br>CSTSPC2-1<br>—<br>CSTSPC1-2<br>CSTSPC1-3<br>CSTSPC1-4 | 10<br>10<br>—<br>10<br>10<br>10 |
| <b>Marking Tag</b>                | MT9                                                              | 1 Pk. (100 tags)                | MT9                                                              | 1 Pk. (100 tags)                | MT9                                                              | 1 Pk. (100 tags)                | MT9                                                              | 1 Pk. (100 tags)                |

# CSTSN SERIES

STUD / RING LUG TERMINALS

## STUD TYPE RING LUG TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Various sizes
  - Wire size up to 2 AWG
  - Current rating up to 125 A
- Suitable for standard fork type / ring lug connectors
- Version with standard Hex Nut (**CSTSN Series**)
- Version with slotted barrel (**CSTSB Series**)
- Compact design
- 2, 3, 4 pole fork type and ring lug jumpers

#### APPLICATIONS

- Applications with vibration
  - Machinery
  - Transportation
  - Vehicles
- Provides solution when ring / fork lug is needed
- Compact / Space saving Panels

### CSTSN4U



### CSTSN5U



### CSTSN6U



#### Dimensions & Weight

|                          | CSTSN4U                          | CSTSN5U                          | CSTSN6U                           |
|--------------------------|----------------------------------|----------------------------------|-----------------------------------|
|                          | 65 A Bolt Terminal<br>M4 Hex Nut | 80 A Bolt Terminal<br>M5 Hex Nut | 125 A Bolt Terminal<br>M6 Hex Nut |
| <b>Width</b>             | <b>17 mm</b>                     | <b>17 mm</b>                     | <b>17 mm</b>                      |
| <b>Length</b>            | <b>50 mm</b>                     | <b>50 mm</b>                     | <b>50 mm</b>                      |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm        | 40.7 mm<br>48.0 mm               | 40.7 mm<br>48.0 mm                |
| <b>Weight per piece</b>  | <b>21.5 g</b>                    | <b>23.4 g</b>                    | <b>30.4 g</b>                     |

#### Technical Data/Ratings

| Approvals                           |                 |                        |                 |                        |                 |                        |
|-------------------------------------|-----------------|------------------------|-----------------|------------------------|-----------------|------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>22-6 AWG</b> | 1.5-10 mm <sup>2</sup> | <b>22-4 AWG</b> | 1.5-16 mm <sup>2</sup> | <b>22-2 AWG</b> | 1.5-35 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V           | 1000V AC/DC            | 600 V           | 1000V AC/DC            | 600 V           | 1000V AC/DC            |
| <b>Current Rating</b>               | 65 A            | 57 A                   | 80 A            | 76 A                   | 125 A           | 125 A                  |
| <b>Torque</b>                       | 14 lb-in        | 1.2 Nm                 | 25 lb-in        | 2.0 Nm                 | 25 lb-in        | 3.0 Nm                 |
| <b>Insulation Material</b>          | Polyamide 66    |                        | Polyamide 66    |                        | Polyamide 66    |                        |

#### Installation Instructions

|                              |                     |                     |                     |
|------------------------------|---------------------|---------------------|---------------------|
| <b>Wire Stripping Length</b> | —                   | —                   | —                   |
| <b>Screw / Stud Size</b>     | <b>M4</b>           | <b>M5</b>           | <b>M6</b>           |
| <b>Screwdriver</b>           | Hex Nut Driver 7 mm | Hex Nut Driver 8 mm | Hex Nut Driver 9 mm |

#### Terminal Blocks

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CSTSN4U</b> | 100      | <b>CSTSN5U</b> | 100      | <b>CSTSN6U</b> | 100      |
| Red R                  | CSTSN4U/R      | 100      | CSTSN5U/R      | 100      | CSTSN6U/R      | 100      |
| Blue BU                | CSTSN4U/BU     | 100      | CSTSN5U/BU     | 100      | CSTSN6U/BU     | 100      |
| Black BL               | CSTSN4U/BL     | 100      | CSTSN5U/BL     | 100      | CSTSN6U/BL     | 100      |
| Orange O               | CSTSN4U/O      | 100      | CSTSN5U/O      | 100      | CSTSN6U/O      | 100      |
| Green G                | CSTSN4U/G      | 100      | CSTSN5U/G      | 100      | CSTSN6U/G      | 100      |
| Yellow Y               | CSTSN4U/Y      | 100      | CSTSN5U/Y      | 100      | CSTSN6U/Y      | 100      |
| White W                | CSTSN4U/W      | 100      | CSTSN5U/W      | 100      | CSTSN6U/W      | 100      |

#### Accessories

|                                   | Cat. No.                | Std. Pk.         | Cat. No.                | Std. Pk.         | Cat. No.                | Std. Pk.         |
|-----------------------------------|-------------------------|------------------|-------------------------|------------------|-------------------------|------------------|
| <b>End Plate</b>                  | EPCSTSU                 | 50               | EPCSTSU                 | 50               | EPCSTSU                 | 50               |
| <b>DIN Rail</b>                   | 2511120                 | 20               | 2511120                 | 20               | 2511120                 | 20               |
|                                   | CA701-15/S              | 20               | CA701-15/S              | 20               | CA701-15/S              | 20               |
|                                   | 2511160                 | 10               | 2511160                 | 10               | 2511160                 | 10               |
| <b>End Stop</b>                   | CA802                   | 50               | CA802                   | 50               | CA802                   | 50               |
| <b>Insulated Jumper Fork Type</b> | 2 pole<br>CA514/1-2     | 100              | 2 pole<br>CA514/1-2     | 100              | 2 pole<br>CA514/7-2     | 100              |
|                                   | 3 pole<br>CA514/1-3     | 50               | 3 pole<br>CA514/1-3     | 50               | 3 pole<br>CA514/7-3     | 50               |
|                                   | 4 pole<br>CA514/1-4     | 50               | 4 pole<br>CA514/1-4     | 50               | 4 pole<br>CA514/7-4     | 50               |
| <b>Jumper Ring Lug</b>            | 2 pole<br>CA514/3-2     | 100              | 2 pole<br>CA514/3-2     | 100              | 2 pole<br>CA514/8-2     | 100              |
|                                   | 3 pole<br>CA514/3-3     | 50               | 3 pole<br>CA514/3-3     | 50               | 3 pole<br>CA514/8-3     | 50               |
|                                   | 4 pole<br>CA514/3-4     | 50               | 4 pole<br>CA514/3-4     | 50               | 4 pole<br>CA514/8-4     | 50               |
| <b>Protective Cover</b>           | 2 Terminal<br>CSTSPC2   | 10               | 2 Terminal<br>CSTSPC2   | 10               | 2 Terminal<br>CSTSPC2   | 10               |
|                                   | 3 Terminal<br>CSTSPC2-1 | 10               | 3 Terminal<br>CSTSPC2-1 | 10               | 3 Terminal<br>CSTSPC2-1 | 10               |
|                                   | 4 Terminal<br>—         | —                | 4 Terminal<br>—         | —                | 4 Terminal<br>—         | —                |
|                                   | 100 mm<br>CSTSPC1-2     | 10               | 100 mm<br>CSTSPC1-2     | 10               | 100 mm<br>CSTSPC1-2     | 10               |
|                                   | 200 mm<br>CSTSPC1-3     | 10               | 200 mm<br>CSTSPC1-3     | 10               | 200 mm<br>CSTSPC1-3     | 10               |
|                                   | 300 mm<br>CSTSPC1-4     | 10               | 300 mm<br>CSTSPC1-4     | 10               | 300 mm<br>CSTSPC1-4     | 10               |
| <b>Marking Tag</b>                | MT2B4                   | 1 Pk. (100 tags) | MT2B4                   | 1 Pk. (100 tags) | MT2B4                   | 1 Pk. (100 tags) |

**CSTSB4U**



**CSTSB5U**



**Dimensions & Weight**

|                   | CSTSB4U                   | CSTSB5U            |
|-------------------|---------------------------|--------------------|
| Width             | 17 mm                     | 17 mm              |
| Length            | 50 mm                     | 50 mm              |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 40.7 mm<br>48.0 mm |
| Weight per piece  | 24 g                      | 25.5 g             |

**Technical Data/Ratings**

| Approvals                    |              |                        |              |                        |
|------------------------------|--------------|------------------------|--------------|------------------------|
| Wire Size (solid / stranded) | 22-6 AWG     | 1.5-10 mm <sup>2</sup> | 22-4 AWG     | 1.5-16 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC            | 600 V        | 1000V AC/DC            |
| Current Rating               | 65 A         | 57 A                   | 80 A         | 76 A                   |
| Torque                       | 14 lb-in     | 1.2 Nm                 | 25 lb-in     | 2.0 Nm                 |
| Insulation Material          | Polyamide 66 |                        | Polyamide 66 |                        |

**Installation Instructions**

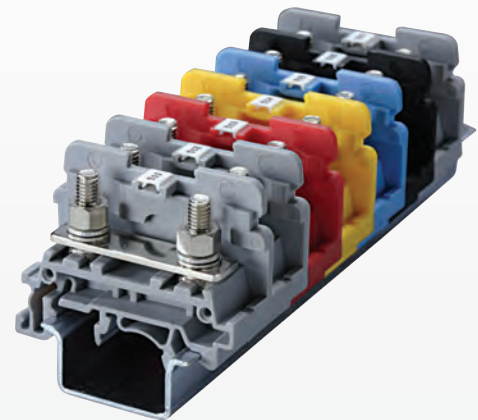
|                       |                        |    |
|-----------------------|------------------------|----|
| Wire Stripping Length | —                      |    |
| Screw / Stud Size     | M4                     | M5 |
| Screwdriver           | Flat Head 1.0 x 5.5 mm |    |

**Terminal Blocks**

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CSTSB4U</b> | 100      | <b>CSTSB5U</b> | 100      |
| Red R                  | CSTSB4U/R      | 100      | CSTSB5U/R      | 100      |
| Blue BU                | CSTSB4U/BU     | 100      | CSTSB5U/BU     | 100      |
| Black BL               | CSTSB4U/BL     | 100      | CSTSB5U/BL     | 100      |
| Orange O               | CSTSB4U/O      | 100      | CSTSB5U/O      | 100      |
| Green G                | CSTSB4U/G      | 100      | CSTSB5U/G      | 100      |
| Yellow Y               | CSTSB4U/Y      | 100      | CSTSB5U/Y      | 100      |
| White W                | CSTSB4U/W      | 100      | CSTSB5U/W      | 100      |

**Accessories**

|                            | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|----------------------------|------------|------------------|------------|------------------|
| End Plate                  | EPCSTSU    | 50               | EPCSTSU    | 50               |
| DIN Rail                   | 2511120    | 20               | 2511120    | 20               |
|                            | CA701-15/S | 20               | CA701-15/S | 20               |
|                            | 2511160    | 10               | 2511160    | 10               |
| End Stop                   | CA802      | 50               | CA802      | 50               |
| Insulated Jumper Fork Type | CA514/1-2  | 100              | CA514/1-2  | 100              |
|                            | CA514/1-3  | 50               | CA514/1-3  | 50               |
|                            | CA514/1-4  | 50               | CA514/1-4  | 50               |
| Insulated Jumper Ring Lug  | CA514/3-2  | 100              | CA514/3-2  | 100              |
|                            | CA514/3-3  | 50               | CA514/3-3  | 50               |
|                            | CA514/3-4  | 50               | CA514/3-4  | 50               |
| Protective Cover           | CSTSPC2    | 10               | CSTSPC2    | 10               |
|                            | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               |
|                            | —          | —                | —          | —                |
|                            | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               |
|                            | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               |
|                            | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               |
| Marking Tag                | MT2B4      | 1 Pk. (100 tags) | MT2B4      | 1 Pk. (100 tags) |



# STH SERIES

## STUD / RING LUG TERMINALS

## HINGE TYPE RING LUG TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Bolt Feed Through Terminals
- Suitable for standard fork type / ring lugs
- Captive nut system
- Only standard flat head screw driver needed to tighten connection
- IP20 touch proof terminals with hinged plastic cover
- 2, 3, 4 pole fork type and ring lug jumpers

#### APPLICATIONS

- Applications with vibration
  - Machinery
  - Transportation
  - Vehicles
- Provides solution when ring / fork lug is needed

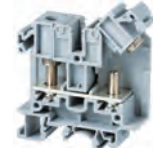
### STH3



### STH4



### STH6



#### Dimensions & Weight

|                   | 9 mm                      | 11 mm              | 18 mm              |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 9 mm                      | 11 mm              | 18 mm              |
| Length            | 47 mm                     | 46 mm              | 64 mm              |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 47.3 mm<br>54.8 mm | 52.2 mm<br>59.0 mm |
| Weight per piece  | 15.0 g                    | 62.5 g             | 57.8 g             |

#### Technical Data/Ratings

| Approvals                    |                                  |  |                                  |  |                                   |  |
|------------------------------|----------------------------------|--|----------------------------------|--|-----------------------------------|--|
| Wire Size (solid / stranded) | 22-8 AWG / 1.5-6 mm <sup>2</sup> |  | 22-8 AWG / 1.5-6 mm <sup>2</sup> |  | 22-2 AWG / 1.5-35 mm <sup>2</sup> |  |
| Voltage Rating               | 600 V / 1000V AC/DC              |  | 600 V / 1000V AC/DC              |  | 600 V / 1000V AC/DC               |  |
| Current Rating               | 50 A / 41 A                      |  | 50 A / 41 A                      |  | 115 A / 125 A                     |  |
| Torque                       | 4.5 lb-in / 0.5 Nm               |  | 14 lb-in / 1.2 Nm                |  | 25 lb-in / 3.0 Nm                 |  |
| Insulation Material          | Polyamide 66                     |  |                                  |  |                                   |  |

#### Installation Instructions

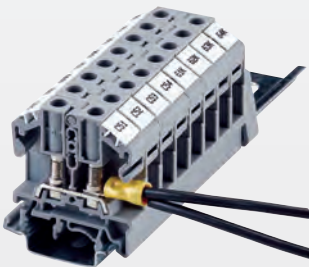
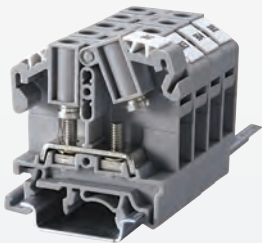
|                       |                      |  |                      |  |                        |  |
|-----------------------|----------------------|--|----------------------|--|------------------------|--|
| Wire Stripping Length | -                    |  | -                    |  | -                      |  |
| Screw / Stud Size     | M3                   |  | M4                   |  | M6                     |  |
| Screwdriver           | Flat Head 0.8 x 4 mm |  | Flat Head 0.8 x 4 mm |  | Flat Head 1.0 x 5.5 mm |  |

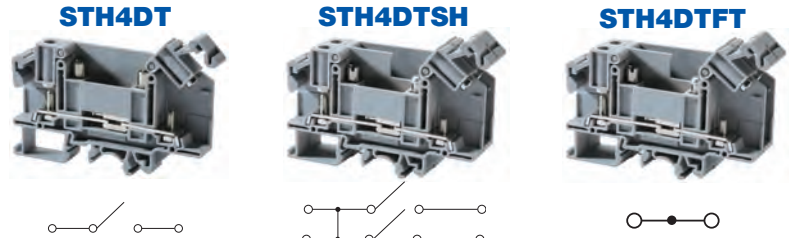
#### Terminal Blocks

|                        | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------------|-------------|----------|-------------|----------|-------------|----------|
| <b>Grey (standard)</b> | <b>STH3</b> | 100      | <b>STH4</b> | 50       | <b>STH6</b> | 50       |
| Red R                  | STH3/R      | 100      | STH4/R      | 50       | STH6/R      | 50       |
| Blue BU                | STH3/BU     | 100      | STH4/BU     | 50       | STH6/BU     | 50       |
| Black BL               | STH3/BL     | 100      | STH4/BL     | 50       | STH6/BL     | 50       |
| Orange O               | STH3/O      | 100      | STH4/O      | 50       | STH6/O      | 50       |
| Green G                | STH3/G      | 100      | STH4/G      | 50       | STH6/G      | 50       |
| Yellow Y               | STH3/Y      | 100      | STH4/Y      | 50       | STH6/Y      | 50       |
| White W                | STH3/W      | 100      | STH4/W      | 50       | STH6/W      | 50       |

#### Accessories

|                             | Cat. No.                              | Std. Pk.                                  | Cat. No.                         | Std. Pk.                               | Cat. No.                         | Std. Pk.                           |
|-----------------------------|---------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------|----------------------------------|------------------------------------|
| End Plate                   | EPSTH3                                | 50                                        | EPSTH4                           | 50                                     | EPSTH6                           | 50                                 |
| DIN Rail                    | 2511120<br>CA701-15/S<br>2511160      | 20<br>20<br>10                            | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                     |
| End Stop                    | CA702<br>CA802<br>CA202               | 100<br>50<br>50                           | CA702<br>CA802<br>CA202          | 100<br>50<br>50                        | CA702<br>CA802<br>CA202          | 100<br>50<br>50                    |
| Jumpers Fork Type           | 2 pole<br>3 pole<br>4 pole            | CA512/15-2<br>CA512/15-3<br>CA512/15-4    | 100<br>50<br>50                  | CA512/13-2<br>CA512/13-3<br>CA512/13-4 | 100<br>50<br>50                  | -<br>-<br>-                        |
| Insulated Jumpers Fork Type | 2 pole<br>3 pole<br>4 pole            | CA514/15-2<br>CA514/15-3<br>CA514/15-4    | 100<br>50<br>50                  | CA514/13-2<br>CA514/13-3<br>CA514/13-4 | 100<br>50<br>50                  | -<br>-<br>-                        |
| Jumpers Ring Lug            | 2 pole<br>3 pole<br>4 pole            | CA512/17-2<br>CA512/17-3<br>CA512/17-4    | 100<br>50<br>50                  | CA512/14-2<br>CA512/14-3<br>CA512/14-4 | 100<br>50<br>50                  | -<br>-<br>-                        |
| Insulated Jumpers Ring Lug  | 2 pole<br>3 pole<br>4 pole            | CA514/17-2<br>CA514/17-3<br>CA514/17-4    | 100<br>50<br>50                  | CA514/14-2<br>CA514/14-3<br>CA514/14-4 | 100<br>50<br>50                  | -<br>-<br>-                        |
| Internal Jumpers            | 2 pole<br>3 pole<br>4 pole<br>10 pole | CA773/2<br>CA773/3<br>CA773/4<br>CA773/10 | 100<br>50<br>50<br>10            | -<br>-<br>-<br>-                       | -<br>-<br>-<br>-                 | CA774/2<br>CA774/3<br>CA774/4<br>- |
| Marking Tag                 | MT8                                   | 1 Pk. (100 tags)                          | MT10                             | 1 Pk. (100 tags)                       | MT16                             | 1 Pk. (100 tags)                   |





**Dimensions & Weight**

|                   | <b>STH4DT</b><br>Disconnect Terminal Block<br>Hinge Type | <b>STH4DTSH</b><br>Double Disconnect Terminal<br>Block | <b>STH4DTFT</b><br>Feed-Through Terminal Block<br>Disconnect Profile |
|-------------------|----------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|
| Width             | <b>11 mm</b>                                             | <b>22 mm</b>                                           | <b>11 mm</b>                                                         |
| Length            | 86 mm                                                    | 86 mm                                                  | 86 mm                                                                |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                                | 52.2 mm<br>59.0 mm                                     | 52.2 mm<br>59.0 mm                                                   |
| Weight per piece  | 42.8 g                                                   | 42.3 g                                                 | 36.6 g                                                               |

**Technical Data/Ratings**

| Approvals                    |                 |                       |                 |                       |                 |                       |
|------------------------------|-----------------|-----------------------|-----------------|-----------------------|-----------------|-----------------------|
| Wire Size (solid / stranded) | <b>22-8 AWG</b> | 1.5-6 mm <sup>2</sup> | <b>22-8 AWG</b> | 1.5-6 mm <sup>2</sup> | <b>22-8 AWG</b> | 1.5-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V           | 1000V AC/DC           | 300 V           | 1000V AC/DC           | 600 V           | 1000V AC/DC           |
| Current Rating               | 35 A            | 41 A                  | 25 A            | 34 A                  | 50 A            | 41 A                  |
| Torque                       | 14 lb-in        | 1.2 Nm                | 14 lb-in        | 1.2 Nm                | 14 lb-in        | 1.2 Nm                |
| Insulation Material          | Polyamide 66    |                       | Polyamide 66    |                       | Polyamide 66    |                       |

**Installation Instructions**

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | —                    | —                    | —                    |
| Screw / Stud Size     | <b>M4</b>            | <b>M4</b>            | <b>M4</b>            |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

**Terminal Blocks**

|             | Cat. No.      | Std. Pk.  | Cat. No.        | Std. Pk.  | Cat. No.        | Std. Pk.   |
|-------------|---------------|-----------|-----------------|-----------|-----------------|------------|
| <b>Grey</b> | <b>STH4DT</b> | <b>50</b> | <b>STH4DTSH</b> | <b>24</b> | <b>STH4DTFT</b> | <b>100</b> |

**Accessories**

|                             | Cat. No.                         | Std. Pk.                               | Cat. No.                         | Std. Pk.                               | Cat. No.                         | Std. Pk.                               |                 |
|-----------------------------|----------------------------------|----------------------------------------|----------------------------------|----------------------------------------|----------------------------------|----------------------------------------|-----------------|
| End Plate                   | EPSTH4DT                         | 50                                     | EPSTH4DT                         | 50                                     | EPSTH4DT                         | 50                                     |                 |
| DIN Rail                    | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                         | 2511120<br>CA701-15/S<br>2511160 | 20<br>20<br>10                         |                 |
| End Stop                    | CA702<br>CA802<br>CA202          | 100<br>50<br>50                        | CA702<br>CA802<br>CA202          | 100<br>50<br>50                        | CA702<br>CA802<br>CA202          | 100<br>50<br>50                        |                 |
| Jumpers Fork Type           | 2 pole<br>3 pole<br>4 pole       | CA512/13-2<br>CA512/13-3<br>CA512/13-4 | 100<br>50<br>50                  | CA512/13-2<br>CA512/13-3<br>CA512/13-4 | 100<br>50<br>50                  | CA512/13-2<br>CA512/13-3<br>CA512/13-4 | 100<br>50<br>50 |
| Insulated Jumpers Fork Type | 2 pole<br>3 pole<br>4 pole       | CA514/13-2<br>CA514/13-3<br>CA514/13-4 | 100<br>50<br>50                  | CA514/13-2<br>CA514/13-3<br>CA514/13-4 | 100<br>50<br>50                  | CA514/13-2<br>CA514/13-3<br>CA514/13-4 | 100<br>50<br>50 |
| Jumpers Ring Lug            | 2 pole<br>3 pole<br>4 pole       | CA512/14-2<br>CA512/14-3<br>CA512/14-4 | 100<br>50<br>50                  | CA512/14-2<br>CA512/14-3<br>CA512/14-4 | 100<br>50<br>50                  | CA512/14-2<br>CA512/14-3<br>CA512/14-4 | 100<br>50<br>50 |
| Insulated Jumpers Ring Lug  | 2 pole<br>3 pole<br>4 pole       | CA514/14-2<br>CA514/14-3<br>CA514/14-4 | 100<br>50<br>50                  | CA514/14-2<br>CA514/14-3<br>CA514/14-4 | 100<br>50<br>50                  | CA514/14-2<br>CA514/14-3<br>CA514/14-4 | 100<br>50<br>50 |
| Insulated Alternate Jumpers | 3 pole<br>4 pole                 | CA514/14-3A<br>CA514/14-4A             | 10<br>10                         | CA514/14-3A<br>CA514/14-4A             | 10<br>10                         | CA514/14-3A<br>CA514/14-4A             | 10<br>10        |
| Shorting Plug               | QJ11/2                           | 25                                     | QJ11/2                           | 25                                     | —                                | —                                      |                 |
| Lock Out Cap                | LCSTH4DT                         | 25                                     | LCSTH4DT                         | 25                                     | —                                | —                                      |                 |
| Marking Tag                 | MT10                             | 1 Pk. (100 tags)                       | MT10                             | 1 Pk. (100 tags)                       | MT10                             | 1 Pk. (100 tags)                       |                 |

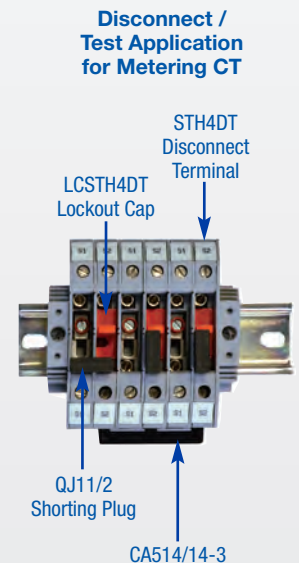
**HIGHLIGHTS**

**FEATURES**

- Bolt Disconnect Terminals
- Disconnect (**STH4DT**)
- 2 Shorted Disconnect Terminals (**STH4DTSH**)
- Feed-Through with same profile (**STH4DTFT**)
- Suitable for standard fork type / ring lugs
- Captive nut system
- IP20 touch proof terminals with hinged plastic cover
- 2, 3, 4 pole fork type and ring lug jumpers

**APPLICATIONS**

- Disconnect / Test Applications
- Measuring / Control Circuit
- Utility Instruments and Transformer Applications
- Meter Replacement
- External Current Measurement





# CBB SERIES

STUD / RING LUG TERMINALS

## RING LUG POWER TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- High Current up to 310A
- Feed-Through Terminals
  - Nut / Bolt version
  - Version with threaded current bar (LS) for fast wiring without 2 wrenches
- Wire crimped into ring / fork lug on to the flat current bar
- Special Mounting foot design for tight fit on rail
- Protective Cover in various length
- 2, 3 pole jumper bars

#### APPLICATIONS

- High Current Power Applications
- Large size wires
- Power Distribution Feeding Applications
- Provides solution when ring / fork lug is needed

### CBB35/50 CBB35/50LS



### CBB70 CBB70LS



### CBB95 CBB95LS



#### Dimensions & Weight

|                   | 150 A Feed Through Power Terminal | 175 A Feed Through Power Terminal | 230 A Feed Through Power Terminal |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Width             | 32 mm                             | 38 mm                             | 38 mm                             |
| Length            | 75 mm                             | 92 mm                             | 92 mm                             |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm         | 47.5 mm<br>54.5 mm                | 47.5 mm<br>54.5 mm                |
| Weight per piece  | 82.0 g                            | 157.5 g                           | 193.0 g                           |

#### Technical Data/Ratings

| Approvals                    |                                     |  |                                    |  |                                     |  |
|------------------------------|-------------------------------------|--|------------------------------------|--|-------------------------------------|--|
| Wire Size (solid / stranded) | 10-1/0 AWG / 6-50.0 mm <sup>2</sup> |  | 8-2/0 AWG / 6-70.0 mm <sup>2</sup> |  | 8-4/0 AWG / 16-95.0 mm <sup>2</sup> |  |
| Voltage Rating               | 600 V / 1000V AC/DC                 |  | 600 V / 1000V AC/DC                |  | 600 V / 1000V AC/DC                 |  |
| Current Rating               | 150 A / 150 A                       |  | 175 A / 192 A                      |  | 230 A / 232 A                       |  |
| Torque                       | 27 lb-in / 3.0Nm                    |  | 54.5 lb-in / 6.0 Nm                |  | 90 lb-in / 10.0 Nm                  |  |
| Insulation Material          | Polyamide 66                        |  |                                    |  |                                     |  |

#### Installation Instructions

|                       |    |  |    |  |     |  |
|-----------------------|----|--|----|--|-----|--|
| Wire Stripping Length | —  |  | —  |  | —   |  |
| Screw / Stud Size     | M6 |  | M8 |  | M10 |  |
| Screwdriver           |    |  |    |  |     |  |

#### Terminal Blocks

|                                                                 | Cat. No.          | Std. Pk.  | Cat. No.       | Std. Pk.  | Cat. No.       | Std. Pk.  |
|-----------------------------------------------------------------|-------------------|-----------|----------------|-----------|----------------|-----------|
| <b>Grey</b><br>Nut & Bolt configuration<br>Threaded Current Bar | <b>CBB35/50</b>   | <b>10</b> | <b>CBB70</b>   | <b>10</b> | <b>CBB95</b>   | <b>10</b> |
|                                                                 | <b>CBB35/50LS</b> | <b>10</b> | <b>CBB70LS</b> | <b>10</b> | <b>CBB95LS</b> | <b>10</b> |

#### Accessories

|                                                   | Cat. No.                                                         | Std. Pk.                                                                                   | Cat. No.                               | Std. Pk.                                                                                   | Cat. No.                               | Std. Pk.                                                            |                                     |
|---------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------|-------------------------------------|
| Partition Plate                                   | PPCBB                                                            | 50                                                                                         | PPCBB                                  | 50                                                                                         | PPCBB1                                 | 50                                                                  |                                     |
| DIN Rail                                          | 2511120<br>CA701-15/S                                            | 20<br>20                                                                                   | 2511120<br>CA701-15/S                  | 20<br>20                                                                                   | 2511120<br>CA701-15/S                  | 20<br>20                                                            |                                     |
| End Stop                                          | CA102<br>CA202                                                   | 50<br>50                                                                                   | CA102<br>CA202                         | 50<br>50                                                                                   | CA102<br>CA202                         | 50<br>50                                                            |                                     |
| Protective Cover for installing on PPCBB & PPCBB1 | 70 mm<br>80 mm<br>100 mm<br>130 mm<br>160 mm<br>200 mm<br>250 mm | CBBPC1/70<br>CBBPC1/80<br>CTSPC2-1<br>CBBPC1/130<br>CBBPC1/160<br>CBBPC1/200<br>CBBPC1/250 | 10<br>10<br>10<br>10<br>10<br>10<br>10 | CBBPC1/70<br>CBBPC1/80<br>CTSPC2-1<br>CBBPC1/130<br>CBBPC1/160<br>CBBPC1/200<br>CBBPC1/250 | 10<br>10<br>10<br>10<br>10<br>10<br>10 | —<br>—<br>CBBPC2/100<br>—<br>CBBPC2/160<br>CBBPC2/200<br>CBBPC2/250 | —<br>—<br>10<br>—<br>10<br>10<br>10 |
| Permanent Jumper Bars                             | 2 pole<br>3 pole                                                 | CA790/2<br>CA790/3                                                                         | 10<br>10                               | CA791/2<br>CA791/3                                                                         | 10<br>10                               | CA791/2<br>CA791/3                                                  | 10<br>10                            |
| Marking Tag                                       | MT12                                                             | 1 Pk. (100 tags)                                                                           | MT16                                   | 1 Pk. (100 tags)                                                                           | MT16                                   | 1 Pk. (100 tags)                                                    |                                     |

**CBB120  
CBB120LS**



**CBB150  
CBB150LS**



**CBB185  
CBB185LS**



**Dimensions & Weight**

|                                                    | 255 A Feed Through Power Terminal | 285 A Feed Through Power Terminal | 310 A Feed Through Power Terminal |
|----------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Width</b>                                       | <b>48 mm</b>                      | <b>48 mm</b>                      | <b>48 mm</b>                      |
| <b>Length</b>                                      | 100 mm                            | 110 mm                            | 110 mm                            |
| <b>Height w DIN Rail</b> 35 x 7.5 mm<br>35 x 15 mm | 47.3 mm<br>54.5 mm                | 47.3 mm<br>54.5 mm                | 47.3 mm<br>54.5 mm                |
| <b>Weight per piece</b>                            | 244.0 g                           | 316.0 g                           | 319.4 g                           |

**Technical Data/Ratings**

| Approvals                           |                    |                        |                    |                        |                    |                        |
|-------------------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>8-250 KCMIL</b> | 16-120 mm <sup>2</sup> | <b>8-300 KCMIL</b> | 16-150 mm <sup>2</sup> | <b>8-350 KCMIL</b> | 16-185 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V              | 1000V AC/DC            | 600 V              | 1000V AC/DC            | 600 V              | 1000V AC/DC            |
| <b>Current Rating</b>               | 255 A              | 269 A                  | 285 A              | 309 A                  | 310 A              | 353 A                  |
| <b>Torque</b>                       | 90 lb-in           | 10.0 Nm                | 127 lb-in          | 14.0 Nm                | 127 lb-in          | 14.0 Nm                |
| <b>Insulation Material</b>          | Polyamide 66       |                        | Polyamide 66       |                        | Polyamide 66       |                        |

**Installation Instructions**

|                              |                                    |                                    |                                    |
|------------------------------|------------------------------------|------------------------------------|------------------------------------|
| <b>Wire Stripping Length</b> | —                                  | —                                  | —                                  |
| <b>Screw / Stud Size</b>     | M10                                | M12                                | M12                                |
| <b>Screwdriver</b>           | Wrench M10<br>Flat Head 1 x 1.5 mm | Wrench M12<br>Flat Head 1 x 1.5 mm | Wrench M12<br>Flat Head 1 x 1.5 mm |

**Terminal Blocks**

|                          | Cat. No.        | Std. Pk.  | Cat. No.        | Std. Pk.  | Cat. No.        | Std. Pk.  |
|--------------------------|-----------------|-----------|-----------------|-----------|-----------------|-----------|
| <b>Grey</b>              |                 |           |                 |           |                 |           |
| Nut & Bolt configuration | <b>CBB120</b>   | <b>10</b> | <b>CBB150</b>   | <b>10</b> | <b>CBB185</b>   | <b>10</b> |
| Threaded Current Bar     | <b>CBB120LS</b> | <b>10</b> | <b>CBB150LS</b> | <b>10</b> | <b>CBB185LS</b> | <b>10</b> |

**Accessories**

|                              | Cat. No.                             | Std. Pk.                                             | Cat. No.              | Std. Pk.                                             | Cat. No.              | Std. Pk.                                             |
|------------------------------|--------------------------------------|------------------------------------------------------|-----------------------|------------------------------------------------------|-----------------------|------------------------------------------------------|
| <b>Partition Plate</b>       | PPCBB1                               | 50                                                   | PPCBB1                | 50                                                   | PPCBB1                | 50                                                   |
| <b>DIN Rail</b>              | 2511120<br>CA701-15/S                | 20<br>20                                             | 2511120<br>CA701-15/S | 20<br>20                                             | 2511120<br>CA701-15/S | 20<br>20                                             |
| <b>End Stop</b>              | CA102<br>CA202                       | 50<br>50                                             | CA102<br>CA202        | 50<br>50                                             | CA102<br>CA202        | 50<br>50                                             |
| <b>Protective Cover</b>      | 100 mm<br>160 mm<br>200 mm<br>250 mm | CBBPC2/100<br>CBBPC2/160<br>CBBPC2/200<br>CBBPC2/250 | 10<br>10<br>10<br>10  | CBBPC2/100<br>CBBPC2/160<br>CBBPC2/200<br>CBBPC2/250 | 10<br>10<br>10<br>10  | CBBPC2/100<br>CBBPC2/160<br>CBBPC2/200<br>CBBPC2/250 |
| <b>Permanent Jumper Bars</b> | 2 pole<br>3 pole                     | CA793/2<br>CA793/3                                   | 10<br>10              | CA794/2<br>CA794/3                                   | 10<br>10              | CA794/2<br>CA794/3                                   |
| <b>Marking Tag</b>           | MT16                                 | 1 Pk. (100 tags)                                     | MT16                  | 1 Pk. (100 tags)                                     | MT16                  | 1 Pk. (100 tags)                                     |

# PTB SERIES

STUD / RING LUG TERMINALS

## HIGH CURRENT POWER TERMINAL BLOCKS

### HIGHLIGHTS

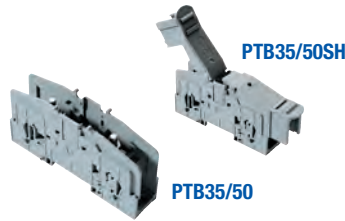
#### FEATURES

- Panel / DIN Rail mountable
- High Current up to 230A
- Finger safe protective cover (PSPTBXX)
- Modular / stackable design
- 2, 3, 4 pole jumper system

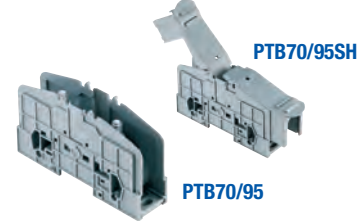
#### APPLICATIONS

- High Current Power Applications
- Large size wires
- Power Distribution Feeding Applications
- Provides solution when ring / fork lug is needed

### PTB35/50 PTB35/50SH



### PTB70/95 PTB70/95SH



#### Dimensions & Weight

|                   | 25 mm                                       | 32 mm                            |
|-------------------|---------------------------------------------|----------------------------------|
| Width             | 25 mm                                       | 32 mm                            |
| Length            | 113 / 169 mm                                | 130 / 192 mm                     |
| Height w DIN Rail | 61.0 / 66.5 mm<br>35 x 7.5 mm<br>35 x 15 mm | 76.6 / 78.0 mm<br>84.5 / 86.0 mm |
| Weight per piece  | 112.0 / 130.5 g                             | 174.4 / 198.2 g                  |

#### Technical Data/Ratings

| Approvals                    |              |                        |              |                        |
|------------------------------|--------------|------------------------|--------------|------------------------|
| Wire Size (solid / stranded) | 8-2 AWG      | 1.5-50 mm <sup>2</sup> | 8-4/0 AWG    | 1.5-95 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC            | 600 V        | 1000V AC/DC            |
| Current Rating               | 115 A        | 150 A                  | 230 A        | 232 A                  |
| Torque                       | 27 lb-in     | 3.0 Nm                 | 87 lb-in     | 10.0 Nm                |
| Insulation Material          | Polyamide 66 |                        | Polyamide 66 |                        |

#### Installation Instructions

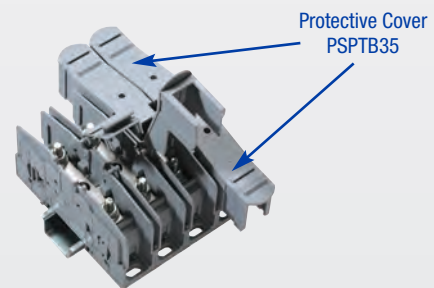
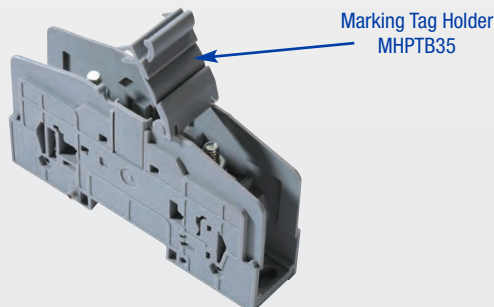
|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Wire Stripping Length | —                    | —                    |
| Screw / Stud Size     | M6                   | M8                   |
| Screwdriver           | Hex Nut Driver 10 mm | Hex Nut Driver 13 mm |

#### Terminal Blocks

|             | Cat. No.          | Std. Pk. | Cat. No.          | Std. Pk. |
|-------------|-------------------|----------|-------------------|----------|
| <b>Grey</b> | <b>PTB35/50</b>   | 10       | <b>PTB70/95</b>   | 10       |
|             | <b>PTB35/50SH</b> | 10       | <b>PTB70/95SH</b> | 10       |

#### Accessories

|                    | Cat. No.                   | Std. Pk.                      | Cat. No.              | Std. Pk.                         |
|--------------------|----------------------------|-------------------------------|-----------------------|----------------------------------|
| Protective Cover   | PSPTB35                    | 20                            | PSPTB70               | 10                               |
| DIN Rail           | 2511120<br>CA701-15/S      | 20<br>20                      | 2511120<br>CA701-15/S | 20<br>20                         |
| End Stop           | CA102<br>CA202             | 50<br>50                      | CA102<br>CA202        | 50<br>50                         |
| Jumper System      | 2 pole<br>3 pole<br>4 pole | CA703/9<br>CA704/9<br>CA705/9 | 10<br>10<br>10        | CA703/11<br>CA704/11<br>CA705/11 |
| Marking Tag        | MT9                        | 1 Pk. (100 tags)              | MT9                   | 1 Pk. (100 tags)                 |
| Marking Tag Holder | MHPTB35                    |                               | MHPTB35               |                                  |



Fork Type Jumper



Insulated Fork Type Jumper



Ring Lug Jumper



Insulated Ring Lug Jumper



Internal Jumper



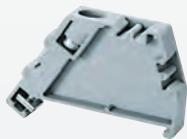
Alternate Jumper for STH4DT Series



| Terminal Block Series | Poles   | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No. | Std. Pk. | Cat. No.    | Std. Pk. |
|-----------------------|---------|------------|----------|------------|----------|------------|----------|------------|----------|----------|----------|-------------|----------|
| CBS3U                 | 2 Pole  | CA512/15-2 | 100      | CA514/15-2 | 100      | CA512/17-2 | 100      | CA514/17-2 | 100      | CA728/2  | 50       |             |          |
| CSB3/N3U              | 3 Pole  | CA512/15-3 | 50       | CA514/15-3 | 50       | CA512/17-3 | 50       | CA514/17-3 | 50       | CA728/3  | 50       | N/A         |          |
| CSB3/N3UL             | 4 Pole  | CA512/15-4 | 50       | CA514/15-4 | 50       | CA512/17-4 | 50       | CA514/17-4 | 50       | CA728/4  | 50       |             |          |
| STH3                  | 10 Pole |            |          |            |          |            |          |            |          | CA728/10 | 10       |             |          |
| CBS4U                 | 2 Pole  | CA512/2-2  | 100      | CA514/2-2  | 100      | CA512/4-2  | 100      | CA514/4-2  | 100      | CA772/2  | 100      |             |          |
| CBS5U                 | 3 Pole  | CA512/2-3  | 50       | CA514/2-3  | 50       | CA512/4-3  | 50       | CA514/4-3  | 50       | CA772/3  | 50       | N/A         |          |
| CSB4/N4UL             | 4 Pole  | CA512/2-4  | 50       | CA514/2-4  | 50       | CA512/4-4  | 50       | CA514/4-4  | 50       | CA772/4  | 50       |             |          |
| CSB5/N5U              | 10 Pole |            |          |            |          |            |          |            |          | CA772/10 | 10       |             |          |
| CSTSN4U               |         |            |          |            |          |            |          |            |          |          |          |             |          |
| CSTSN5U               | 2 Pole  | CA512/1-2  | 100      | CA514/1-2  | 100      | CA512/3-2  | 100      | CA514/3-2  | 100      |          |          | N/A         | N/A      |
| CSTSN6U               | 3 Pole  | CA512/1-3  | 50       | CA514/1-3  | 50       | CA512/3-3  | 50       | CA514/3-3  | 50       |          |          |             |          |
| CSTSB4U               | 4 Pole  | CA512/1-4  | 50       | CA514/1-4  | 50       | CA512/3-4  | 50       | CA514/3-4  | 50       |          |          |             |          |
| CSTSB5U               |         |            |          |            |          |            |          |            |          |          |          |             |          |
| CSTSN6U               | 2 Pole  | CA512/7-2  | 100      | CA514/7-2  | 100      | CA512/8-2  | 100      | CA514/8-2  | 100      |          |          | N/A         | N/A      |
|                       | 3 Pole  | CA512/7-3  | 50       | CA514/7-3  | 50       | CA512/8-3  | 50       | CA514/8-3  | 50       |          |          |             |          |
|                       | 4 Pole  | CA512/7-4  | 50       | CA514/7-4  | 50       | CA512/8-4  | 50       | CA514/8-4  | 50       |          |          |             |          |
| STH4                  | 2 Pole  | CA512/13-2 | 100      | CA514/13-2 | 100      | CA512/14-2 | 100      | CA514/14-2 | 100      |          |          |             |          |
| STH4DT                | 3 Pole  | CA512/13-3 | 50       | CA514/13-3 | 50       | CA512/14-3 | 50       | CA514/14-3 | 50       | N/A      |          | CA514/14-3A | 10       |
| STH4DTFT              | 4 Pole  | CA512/13-4 | 50       | CA514/13-4 | 50       | CA512/14-4 | 50       | CA514/14-4 | 50       |          |          | CA514/14-4A | 10       |
| STH6                  | 2 Pole  | N/A        |          | N/A        |          | N/A        |          | N/A        |          | CA774/2  | 100      |             |          |
|                       | 3 Pole  |            |          |            |          |            |          |            |          | CA774/3  | 50       |             |          |
|                       | 4 Pole  |            |          |            |          |            |          |            |          | CA774/4  | 50       |             |          |

END STOPS

CA802



CA707



CA202

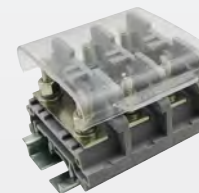


| Cat. No | Dimensions     | Std. Pk. |
|---------|----------------|----------|
| CA802   | 32 x 45 x 8 mm | 50       |

| Cat. No | Dimensions     | Std. Pk. |
|---------|----------------|----------|
| CA702   | 34 x 45 x 9 mm | 50       |

| Cat. No | Dimensions         | Std. Pk. |
|---------|--------------------|----------|
| CA202   | 44.5 x 50 x 9.5 mm | 50       |

ENDPLATES / PROTECTIVE COVERS



For CBS, CSB, CSTS Series

| Terminal Block | Cat. No  | Dimensions         | Std. Pk. |
|----------------|----------|--------------------|----------|
| CBS Series     | EPCBS3U  | 26.2 x 49 x 1.5 mm | 50       |
| CSB Series     |          |                    |          |
| CSTSN Series   | EPCSTSU  | 31 x 50 x 1.5 mm   | 50       |
| CSTSB Series   |          |                    |          |
| STH3           | EPSTH3   | 34 x 47 x 1.5 mm   | 50       |
| STH4           | EPSTH4   | 39.5 x 46 x 1.5 mm | 50       |
| STH6           | EPSTH6   | 51 x 63.5 x 1.5 mm | 50       |
| STH4DT         | EPSTH4DT | 37.5 x 86 x 1.5 mm | 50       |

| Length | Cat. No.  | Std. Pk. |
|--------|-----------|----------|
| 100mm  | CSTSPC1-2 | 10       |
| 200mm  | CSTSPC1-3 | 10       |
| 300mm  | CSTSPC1-4 | 10       |



# OVERVIEW

## SPRING TERMINAL BLOCKS

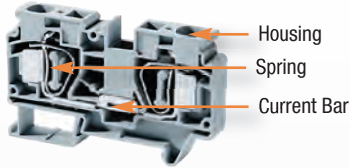
### SPRING CLAMP TECHNOLOGY



- Easy Installation
- Versatile and Vibration Proof
- Reliable Gas-tight connection
- Fail proof, safe connection
- NO torque requirements
- Maintenance free
- Terminals accept wires with/ without ferrules



### MATERIAL SPECIFICATIONS



Housing  
Spring  
Current Bar

#### Current Carrying Metal *Corrosion free material*

- Spring: Stainless Steel
- Current Bar: copper tin plated

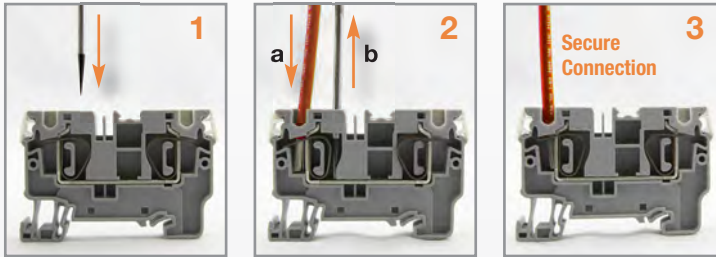
#### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

#### Polyamide 66 Specifications

Upper Temperature Limit: 105°C  
Lower Temperature Limit: -50°C  
Flammability UL94: V2/V0  
Volume Resistivity: 10<sup>12</sup> Ω cm  
Surface Resistivity: 10<sup>10</sup> Ω

### INSTALLATION GUIDELINES



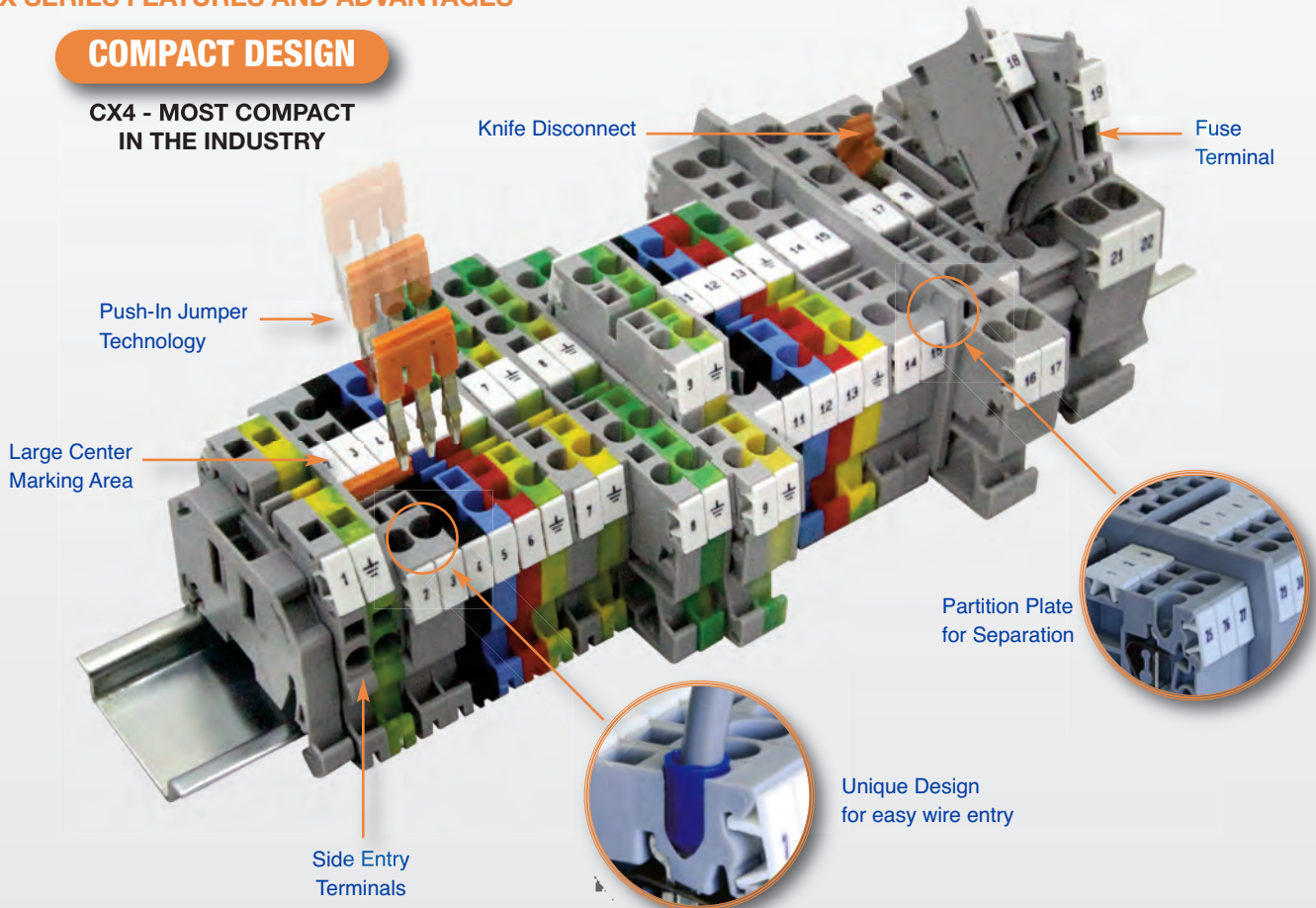
- 1 Insert Flat-Head Screw Driver into insertion space to open pre-loaded spring
- 2 (a) Insert Wire into opening in spring leg. (b) Remove screwdriver.
- 3 The spring force presses conductor against the current bar for a reliable/safe connection



### CX SERIES FEATURES AND ADVANTAGES

#### COMPACT DESIGN

CX4 - MOST COMPACT IN THE INDUSTRY

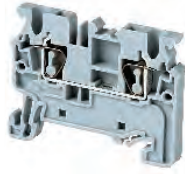




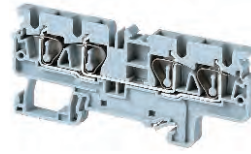
**CX Series**

**FEATURES**

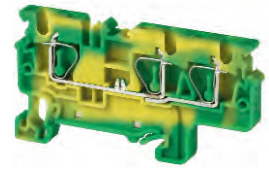
- Extremely Compact Design
- CX4 is the most compact in the industry
- Push-In technology jumper system
  - 2, 3, 4 5, 6, 7, 8, 10 pole
  - 2 independent jumper channels
- Easy breakout of jumper pins for alternate shorting of terminal blocks
- Felt tip pen marking option
- Center marking tag area
- Unique design in plastic housing for easy wire entry
- Individually mountable partition plates provide electrical and visual separation
- Test Plugs for Test & Measurement needs



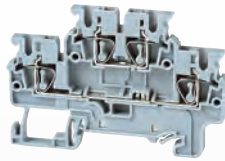
**Feed-Through**  
page 64-65



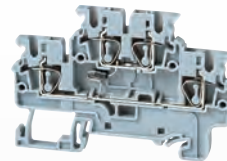
**Multi-Connection**  
page 66-67



**Ground/Earth**  
page 68-70



**Double Level**  
page 71



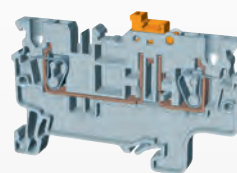
**Electronic Component**  
page 72



**Fuse**  
page 74



**Component Carrier**  
page 75



**Disconnect**  
page 76



**Side Entry**  
page 77



**Pluggable**  
page 78



**Hybrid Distribution**  
page 79

**Angular Series**

**FEATURES**

- 45 wire entry for easy installation
- 2.5mm to 8mm terminal blocks (up to 50A)
- Multi-Connection Terminals
- 2, 3, 4 connection ground terminals



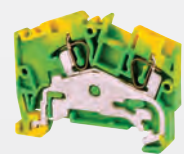
**Feed-Through**  
page 80



**Multi-Connection**  
page 81



**Multi-Level**  
page 82-83

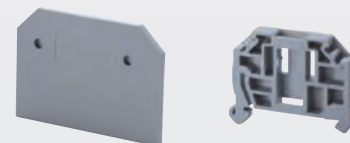


**Ground/Earth**  
page 84-85

**Accessories**



**Jumpers**  
page 86



**End Plates, Partitions,  
End Stops, Test Plugs**  
page 87

# CX SERIES

SPRING TERMINAL BLOCKS

## FEED THROUGH TERMINAL BLOCKS

### HIGHLIGHTS

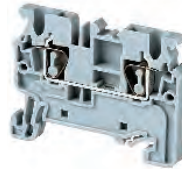
#### FEATURES

- Most compact in Industry
- 2, 3, 4, 10 Pole Push-In Jumpers
- 2 Jumper Channels for multiple Jumper options
- 3 and 4 Connection Terminals
- 3 Marking Locations
- Many Colors

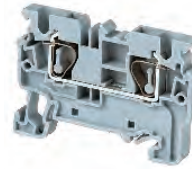
#### APPLICATIONS

- High Vibration Environments
- Machines
- Elevator Cabinets
- Transport

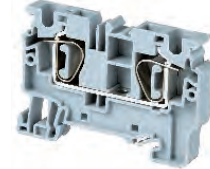
### CX2.5



### CX4



### CX6



#### Dimensions

|                   | CX2.5                                          | CX4                                            | CX6                                            |
|-------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
|                   | 2 Connection Feed-Through<br>2 Jumper Channels | 2 Connection Feed-Through<br>2 Jumper Channels | 2 Connection Feed-Through<br>2 Jumper Channels |
| Width             | 5 mm                                           | 6 mm                                           | 8 mm                                           |
| Length            | 49.7 mm                                        | 54.8 mm                                        | 62.1 mm                                        |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                      | 38.0 mm<br>45.5 mm                             | 43.0 mm<br>50.5 mm                             |
| Weight per piece  | 6.2 g                                          | 9.8 g                                          | 14.0 g                                         |

#### Technical Data/Ratings

| Approvals                    |              |                         |              |                       |              |                       |
|------------------------------|--------------|-------------------------|--------------|-----------------------|--------------|-----------------------|
| Wire Size (solid / stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-8 AWG     | 0.2-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC           |
| Current Rating               | 20 A         | 24 A                    | 30 A         | 32 A                  | 50 A         | 41 A                  |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                       | Polyamide 66 |                       |

#### Installation Instructions

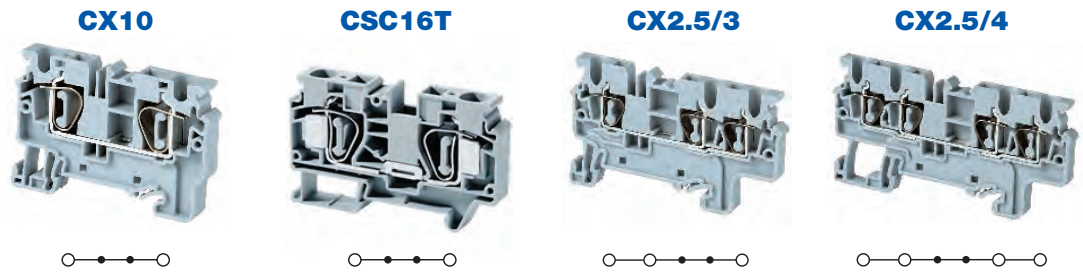
|                       |                      |                        |                      |
|-----------------------|----------------------|------------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                  | 14 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm |

#### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. |
|------------------------|--------------|----------|------------|----------|------------|----------|
| <b>Grey (standard)</b> | <b>CX2.5</b> | 100      | <b>CX4</b> | 100      | <b>CX6</b> | 100      |
| Red R                  | CX2.5/R      | 100      | CX4/R      | 100      | CX6/R      | 100      |
| Blue BU                | CX2.5/BU     | 100      | CX4/BU     | 100      | CX6/BU     | 100      |
| Black BL               | CX2.5/BL     | 100      | CX4/BL     | 100      | CX6/BL     | 100      |
| Orange O               | CX2.5/O      | 100      | CX4/O      | 100      | CX6/O      | 100      |
| Green G                | CX2.5/G      | 100      | CX4/G      | 100      | CX6/G      | 100      |
| Yellow Y               | CX2.5/Y      | 100      | CX4/Y      | 100      | CX6/Y      | 100      |
| White W                | CX2.5/W      | 100      | CX4/W      | 100      | CX6/W      | 100      |

#### Accessories

|                           | Cat. No.                                                                                 | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                                                            | Cat. No.                                               | Std. Pk.                                                   |                                                |
|---------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|
| End Plate                 | EPCX2.5                                                                                  | 50                                                                                         | EPCX4                                              | 50                                                                  | EPCX6                                                  | 50                                                         |                                                |
| Partition Plate           | PPCX4                                                                                    | 20                                                                                         | PPCX4                                              | 20                                                                  | PPCX10                                                 | 20                                                         |                                                |
| DIN Rail                  | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                                   | 2511120<br>CA701-15/S                              | 20<br>20                                                            | 2511120<br>CA701-15/S                                  | 20<br>20                                                   |                                                |
| End Stop                  | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50                                                      | CA702<br>CA802<br>CA103                                | 50<br>50<br>50                                             |                                                |
| Shorting Link/<br>Jumpers | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX4/2<br>JX4/3<br>JX4/4<br>-<br>-<br>-<br>JX4/8<br>JX4/10<br>JX4/16 | 100<br>50<br>50<br>50<br>-<br>-<br>-<br>50<br>10<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>-<br>-<br>-<br>-<br>JX6/10<br>- | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>10<br>- |
| Test Plug                 | TX2.5                                                                                    | 50                                                                                         | TX4                                                | 50                                                                  | TX6                                                    | 50                                                         |                                                |
| Marking Tag               | MT5                                                                                      | 1 Pk. (100 tags)                                                                           | MT6                                                | 1 Pk. (100 tags)                                                    | MT8                                                    | 1 Pk. (100 tags)                                           |                                                |
| Warning Label             | WLX2.5                                                                                   | 1 Pk. (100 tags)                                                                           | WLX4                                               | 1 Pk. (100 tags)                                                    | WLX6                                                   | 1 Pk. (100 tags)                                           |                                                |



**Dimensions**

|                          | <b>CX10</b>                                  | <b>CSC16T</b>                                | <b>CX2.5/3</b>                               | <b>CX2.5/4</b>                                 |
|--------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------------|
|                          | 2 Connection Feed-Through<br>2 Jump Channels | 2 Connection Feed-Through<br>2 Jump Channels | 3 Connection Feed-Through<br>2 Jump Channels | 4 Connection Feed-Through<br>2 Jumper Channels |
| <b>Width</b>             | 10 mm                                        | 12 mm                                        | 5 mm                                         | 5 mm                                           |
| <b>Length</b>            | 71.7 mm                                      | 82.0 mm                                      | 62.2 mm                                      | 74.7 mm                                        |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm                    | 49.5 mm<br>57.0 mm                           | 51.6 mm<br>59.0 mm                           | 38.0 mm<br>45.5 mm                             |
| <b>Weight per piece</b>  | 22.4 g                                       | 39 g                                         | 7.6 g                                        | 9.4 g                                          |

**Technical Data/Ratings**

| Approvals                           |                 |                        |                 |                        |                  |                         |                  |                         |
|-------------------------------------|-----------------|------------------------|-----------------|------------------------|------------------|-------------------------|------------------|-------------------------|
| <b>Wire Size (solid   stranded)</b> | <b>24-6 AWG</b> | 0.2-10 mm <sup>2</sup> | <b>16-4 AWG</b> | 1.5-16 mm <sup>2</sup> | <b>24-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> | <b>24-12 AWG</b> | 0.2-2.5 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V           | 1000V AC/DC            | 600 V           | 800V AC/DC             | 600 V            | 1000 V AC/DC            | 600 V            | 1000V AC/DC             |
| <b>Current Rating</b>               | 65 A            | 57 A                   | 85 A            | 76 A                   | 20 A             | 24 A                    | 20 A             | 24 A                    |
| <b>Insulation Material</b>          | Polyamide 66    |                        | Polyamide 66    |                        | Polyamide 66     |                         | Polyamide 66     |                         |

**Installation Instructions**

|                              |                      |                        |                      |                      |
|------------------------------|----------------------|------------------------|----------------------|----------------------|
| <b>Wire Stripping Length</b> | 18 mm                | 20 mm                  | 10 mm                | 10 mm                |
| <b>Screwdriver</b>           | Flat Head 0.8 x 4 mm | Flat Head 1.0 x 5.5 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

**Terminal Blocks**

|                        | Cat. No.    | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|-------------|----------|---------------|----------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CX10</b> | 50       | <b>CSC16T</b> | 50       | <b>CX2.5/3</b> | 100      | <b>CX2.5/4</b> | 50       |
| Red R                  | CX10/R      | 50       | CSC16T/R      | 50       | CX2.5/3/R      | 100      | CX2.5/4/R      | 50       |
| Blue BU                | CX10/BU     | 50       | CSC16T/BU     | 50       | CX2.5/3/BU     | 100      | CX2.5/4/BU     | 50       |
| Black BL               | CX10/BL     | 50       | CSC16T/BL     | 50       | CX2.53/BL      | 100      | CX2.5/4/BL     | 50       |
| Orange O               | CX10/O      | 50       | CSC16T/O      | 50       | CX2.5/3/O      | 100      | CX2.5/4/O      | 50       |
| Green G                | CX10/G      | 50       | CSC16T/G      | 50       | CX2.5/3/G      | 100      | CX2.5/4/G      | 50       |
| Yellow Y               | CX10/Y      | 50       | CSC16T/Y      | 50       | CX2.5/3/Y      | 100      | CX2.5/4/Y      | 50       |
| White W                | CX10/W      | 50       | CSC16T/W      | 50       | CX2.53/W       | 100      | CX2.5/4/W      | 50       |

**Accessories**

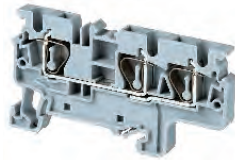
|                                      | Cat. No.                                                                                 | Std. Pk.                                       | Cat. No.                                   | Std. Pk.                                        | Cat. No.                                    | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                |
|--------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------|
| <b>End Plate</b>                     | EPCX10                                                                                   | 20                                             | EPCSC16T                                   | 50                                              | EPCX2.5/3                                   | 50                                                                                         | EPCX2.5/4                                          | 20                      |
| <b>Partition Plate</b>               | PPCX10                                                                                   | 20                                             | -                                          | -                                               | PPCX4/3                                     | 20                                                                                         | PPCX4/4                                            | 20                      |
| <b>DIN Rail</b>                      | 2511120<br>CA701-15/S                                                                    | 20<br>20                                       | 2511120<br>CA701-15/S                      | 20<br>20                                        | 2511120<br>CA701-15/S                       | 20<br>20                                                                                   | 2511120<br>CA701-15/S                              | 20<br>20                |
| <b>End Stop</b>                      | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                 | CA702<br>CA802<br>CA103                    | 50<br>50<br>50                                  | CA702<br>CA802<br>CA103                     | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50          |
| <b>Shorting Link/Jumpers</b>         | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX10/2<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 20<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | CA801/5<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 100<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- |                         |
| <b>Test Plug</b>                     | TX10                                                                                     | 50                                             | -                                          | -                                               | TX2.5                                       | 50                                                                                         | TX2.5                                              | 50                      |
| <b>Marking Tag<br/>Warning Label</b> | MT10<br>WLX10                                                                            | 1 Pk. (100 tags)<br>100                        | -                                          | -                                               | MT5<br>WLX2.5                               | 1 Pk. (100 tags)<br>100                                                                    | MT5<br>WLX2.5                                      | 1 Pk. (100 tags)<br>100 |

# CX SERIES

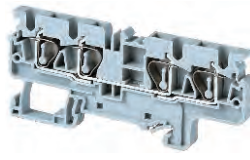
## SPRING TERMINAL BLOCKS

## MULTIPLE CONNECTION TERMINAL BLOCKS

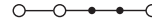
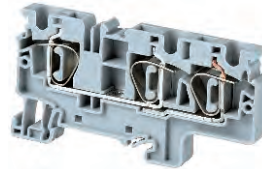
**CX4/3**



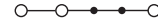
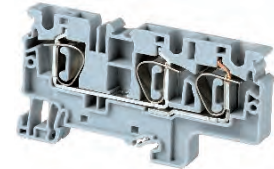
**CX4/4**



**CX6/3**



**CX10/3**



### Dimensions

|                   | CX4/3                                          | CX4/4                                          | CX6/3                                          | CX10/3                                         |
|-------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
|                   | 3 Connection Feed-Through<br>2 Jumper Channels | 4 Connection Feed-Through<br>2 Jumper Channels | 3 Connection Feed-Through<br>2 Jumper Channels | 4 Connection Feed-Through<br>2 Jumper Channels |
| Width             | 6 mm                                           | 6 mm                                           | 8 mm                                           | 10 mm                                          |
| Length            | 70.5 mm                                        | 86.2 mm                                        | 82.2 mm                                        | 97.0 mm                                        |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                      | 38.0 mm<br>45.5 mm                             | 43.0 mm<br>50.5 mm                             | 49.5 mm<br>57.0 mm                             |
| Weight per piece  | 10.8 g                                         | 13.6 g                                         | 19.8 g                                         | 35.0 g                                         |

### Technical Data/Ratings

| Approvals                    |              |                       |              |                         |              |                       | UL           | IEC                    |
|------------------------------|--------------|-----------------------|--------------|-------------------------|--------------|-----------------------|--------------|------------------------|
| Wire Size (solid   stranded) | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-10 AWG    | 0.2-4.0 mm <sup>2</sup> | 24-8 AWG     | 0.2-6 mm <sup>2</sup> | 24-6 AWG     | 0.2-10 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC            |
| Current Rating               | 30 A         | 32 A                  | 30 A         | 32 A                    | 50 A         | 41 A                  | 65 A         | 57 A                   |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                         | Polyamide 66 |                       | Polyamide 66 |                        |

### Installation Instructions

|                       |                        |                        |                      |                      |
|-----------------------|------------------------|------------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                  | 10 mm                  | 14 mm                | 18 mm                |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.      | Std. Pk. |
|------------------------|--------------|----------|--------------|----------|--------------|----------|---------------|----------|
| <b>Grey (standard)</b> | <b>CX4/3</b> | 50       | <b>CX4/4</b> | 50       | <b>CX6/3</b> | 50       | <b>CX10/3</b> | 50       |
| Red R                  | CX4/3/R      | 50       | CX4/4/R      | 50       | CX6/3/R      | 50       | CX10/3/R      | 50       |
| Blue BU                | CX4/3/BU     | 50       | CX4/4/BU     | 50       | CX6/3/BU     | 50       | CX10/3/BU     | 50       |
| Black BL               | CX4/3/BL     | 50       | CX4/4/BL     | 50       | CX6/3/BL     | 50       | CX10/3/BL     | 50       |
| Orange O               | CX4/3/O      | 50       | CX4/4/O      | 50       | CX6/3/O      | 50       | CX10/3/O      | 50       |
| Green G                | CX4/3/G      | 50       | CX4/4/G      | 50       | CX6/3/G      | 50       | CX10/3/G      | 50       |
| Yellow Y               | CX4/3/Y      | 50       | CX4/4/Y      | 50       | CX6/3/Y      | 50       | CX10/3/Y      | 50       |
| White W                | CX4/3/W      | 50       | CX4/4/W      | 50       | CX6/3/W      | 50       | CX10/3/W      | 50       |

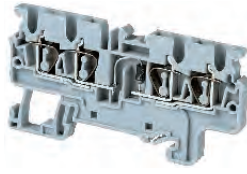
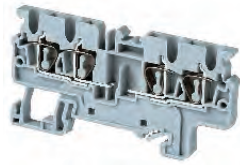
### Accessories

|                           | Cat. No.                                                                                                                             | Std. Pk.                                         | Cat. No.                                                            | Std. Pk.                                         | Cat. No.                                                   | Std. Pk.                                       | Cat. No.                                            | Std. Pk.                                   |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|--------------------------------------------|
| End Plate                 | EPCX4/3                                                                                                                              | 20                                               | EPCX4/4                                                             | 20                                               | EPCX6/3                                                    | 20                                             | EPCX10/3                                            | 20                                         |
| Partition Plate           | PPCX4/3                                                                                                                              | 20                                               | PPCX4/4                                                             | 20                                               | -                                                          | -                                              | -                                                   | -                                          |
| DIN Rail                  | 2511120<br>CA701-15/S                                                                                                                | 20<br>20                                         | 2511120<br>CA701-15/S                                               | 20<br>20                                         | 2511120<br>CA701-15/S                                      | 20<br>20                                       | 2511120<br>CA701-15/S                               | 20<br>20                                   |
| End Stop                  | CA702<br>CA802<br>CA103                                                                                                              | 50<br>50<br>50                                   | CA702<br>CA802<br>CA103                                             | 50<br>50<br>50                                   | CA702<br>CA802<br>CA103                                    | 50<br>50<br>50                                 | CA702<br>CA802<br>CA103                             | 50<br>50<br>50                             |
| Shorting Link/<br>Jumpers | 2 pole JX4/2<br>3 pole JX4/3<br>4 pole JX4/4<br>5 pole -<br>6 pole -<br>7 pole -<br>8 pole JX4/8<br>10 pole JX4/10<br>16 pole JX4/16 | 100<br>50<br>50<br>-<br>-<br>-<br>50<br>10<br>10 | JX4/2<br>JX4/3<br>JX4/4<br>-<br>-<br>-<br>JX4/8<br>JX4/10<br>JX4/16 | 100<br>50<br>50<br>-<br>-<br>-<br>50<br>10<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>-<br>-<br>-<br>-<br>JX6/10<br>- | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>10<br>- | JX10/2<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 20<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Test Plug                 | TX4                                                                                                                                  | 50                                               | TX4                                                                 | 50                                               | TX6                                                        | 50                                             | TX10                                                | 50                                         |
| Marking Tag               | MT6                                                                                                                                  | 1 Pk. (100 tags)                                 | MT6                                                                 | 1 Pk. (100 tags)                                 | MT8                                                        | 1 Pk. (100 tags)                               | MT10                                                | 1 Pk. (100 tags)                           |
| Warning Label             | WLX4                                                                                                                                 | 1 Pk. (100 tags)                                 | WLX4                                                                | 1 Pk. (100 tags)                                 | WLX6                                                       | 1 Pk. (100 tags)                               | WLX10                                               | 1 Pk. (100 tags)                           |

### MULTIPLE CONNECTION TERMINAL BLOCKS

#### CX2.5/4P

#### CX2.5/4(E)D1



Double potential Terminal Block. 2 different voltage potentials. 2 Jumper Channels on one side

4 connection spring Terminal Block. With built in Diode (1N4007) for reverse polarity protection to allow current only to flow in one direction

#### Dimensions

|                   |                           |                    |
|-------------------|---------------------------|--------------------|
| Width             | 5 mm                      | 5 mm               |
| Length            | 74.7 mm                   | 74.7 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 38.0 mm<br>45.5 mm |
| Weight per piece  | 9.6 g                     | 9.4 g              |

#### Technical Data/Ratings

|                              |                                     |                                     |
|------------------------------|-------------------------------------|-------------------------------------|
| Approvals                    |                                     |                                     |
| Wire Size (solid   stranded) | 24-12 AWG   0.2-2.5 mm <sup>2</sup> | 24-12 AWG   0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V   1000V AC/DC                 | 600 V   1000V AC/DC                 |
| Current Rating               | -                                   | -                                   |
| Insulation Material          | Polyamide 66                        | Polyamide 66                        |

#### Installation Instructions

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3 mm |

#### Terminal Blocks

|                        | Cat. No.        | Std. Pk. | Cat. No.            | Std. Pk. |
|------------------------|-----------------|----------|---------------------|----------|
| <b>Grey (standard)</b> | <b>CX2.5/4P</b> | 50       | <b>CX2.5/4(E)D1</b> | 50       |

#### Accessories

|                              | Cat. No.                                                                                 | Std. Pk.                                                                                                              | Cat. No.                                                                                                              | Std. Pk.       |
|------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|
| End Plate                    | EPCX2.5/4                                                                                | 20                                                                                                                    | EPCX2.5/4                                                                                                             | 20             |
| Partition Plate              | PPCX4/4                                                                                  | 20                                                                                                                    | PPCX4/4                                                                                                               | 20             |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                                                              | 2511120<br>CA701-15/S                                                                                                 | 20<br>20       |
| End Stop                     | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                                                                        | CA702<br>CA802<br>CA103                                                                                               | 50<br>50<br>50 |
| Shorting Link/<br>Jumpers    | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX2.5/2 100<br>JX2.5/3 50<br>JX2.5/4 50<br>JX2.5/5 50<br>JX2.5/6 10<br>JX2.5/7 10<br>JX2.5/8 10<br>JX2.5/10 10<br>- - | JX2.5/2 100<br>JX2.5/3 50<br>JX2.5/4 50<br>JX2.5/5 50<br>JX2.5/6 10<br>JX2.5/7 10<br>JX2.5/8 10<br>JX2.5/10 10<br>- - |                |
| Test Plug                    | TX2.5                                                                                    | 50                                                                                                                    | TX2.5                                                                                                                 | 50             |
| Marking Tag<br>Warning Label | MT5<br>WLX2.5                                                                            | 100<br>100                                                                                                            | MT5<br>WLX2.5                                                                                                         | 100<br>100     |



# CX SERIES

SPRING TERMINAL BLOCKS

## GROUND / EARTH TERMINAL BLOCKS

### HIGHLIGHTS

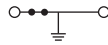
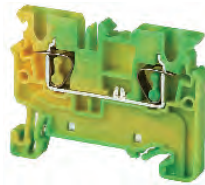
#### FEATURES

- 2, 3, 4 Connection Ground Terminals
- Yellow / Green Color as per Industry Standard
- Snap-On feet
- 3 Marking Locations

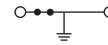
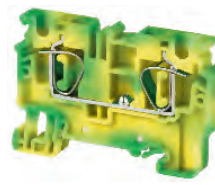
#### APPLICATIONS

- Grounding Applications

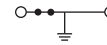
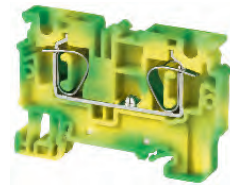
### CXG2.5



### CXG4



### CXG6



#### Dimensions

|                   | CXG2.5                                            | CXG4                                              | CXG6                                              |
|-------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
|                   | 2 Connection Ground Terminal<br>2 Jumper Channels | 2 Connection Ground Terminal<br>2 Jumper Channels | 2 Connection Ground Terminal<br>2 Jumper Channels |
| Width             | 5 mm                                              | 6 mm                                              | 8 mm                                              |
| Length            | 49.7 mm                                           | 54.8 mm                                           | 62.1 mm                                           |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                         | 38.0 mm<br>45.5 mm                                | 43.0 mm<br>50.5 mm                                |
| Weight per piece  | 8.4 g                                             | 11.0 g                                            | 20.2 g                                            |

#### Technical Data/Ratings

| Approvals                    |              |                         |              |                       |              |                       |
|------------------------------|--------------|-------------------------|--------------|-----------------------|--------------|-----------------------|
| Wire Size (solid   stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-8 AWG     | 0.2-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC           |
| Current Rating               | -            | -                       | -            | -                     | -            | -                     |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                       | Polyamide 66 |                       |

#### Installation Instructions

|                       |                      |                        |                      |
|-----------------------|----------------------|------------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                  | 14 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm |

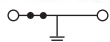
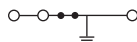
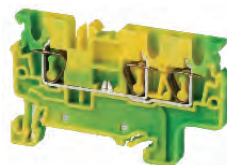
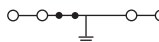
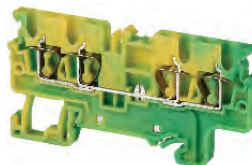
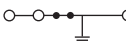
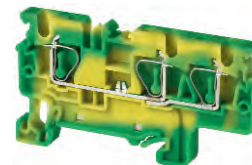
#### Terminal Blocks

|                       | Cat. No.      | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. |
|-----------------------|---------------|----------|-------------|----------|-------------|----------|
| <b>Yellow / Green</b> | <b>CXG2.5</b> | 100      | <b>CXG4</b> | 100      | <b>CXG6</b> | 100      |

#### Accessories

|                              | Cat. No.                                                                                 | Std. Pk.                                                                                                              | Cat. No.                                                                                     | Std. Pk.                                                                          | Cat. No.                | Std. Pk.       |
|------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------|----------------|
| End Plate                    | EPCX2.5                                                                                  | 50                                                                                                                    | EPCX4                                                                                        | 50                                                                                | EPCX6                   | 50             |
| Partition Plate              | PPCX4                                                                                    | 20                                                                                                                    | PPCX4                                                                                        | 20                                                                                | PPCX10                  | 20             |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                                                              | 2511120<br>CA701-15/S                                                                        | 20<br>20                                                                          | 2511120<br>CA701-15/S   | 20<br>20       |
| End Stop                     | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                                                                        | CA702<br>CA802<br>CA103                                                                      | 50<br>50<br>50                                                                    | CA702<br>CA802<br>CA103 | 50<br>50<br>50 |
| Shorting Link/<br>Jumpers    | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX2.5/2 100<br>JX2.5/3 50<br>JX2.5/4 50<br>JX2.5/5 50<br>JX2.5/6 10<br>JX2.5/7 10<br>JX2.5/8 10<br>JX2.5/10 10<br>- - | JX4/2 100<br>JX4/3 50<br>JX4/4 50<br>- -<br>- -<br>- -<br>JX4/8 50<br>JX4/10 10<br>JX4/16 10 | JX6/2 100<br>JX6/3 50<br>JX6/4 50<br>- -<br>- -<br>- -<br>- -<br>JX6/10 10<br>- - |                         |                |
| Test Plug                    | TX2.5                                                                                    | 50                                                                                                                    | TX4                                                                                          | 50                                                                                | TX6                     | 50             |
| Marking Tag<br>Warning Label | MT5<br>WLX2.5                                                                            | 100<br>50                                                                                                             | MT6<br>WLX4                                                                                  | 100<br>100                                                                        | MT8<br>WLX6             | 100<br>100     |

### MULTIPLE CONNECTION GROUND / EARTH TERMINAL BLOCKS

**CXG10**

**CXG2.5/3**

**CXG2.5/4**

**CXG4/3**

**Dimensions**

|                   | CXG10                                             | CXG2.5/3                                          | CXG2.5/4                                          | CXG4/3                                            |
|-------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
|                   | 2 Connection Ground Terminal<br>2 Jumper Channels | 3 Connection Ground Terminal<br>2 Jumper Channels | 4 Connection Ground Terminal<br>2 Jumper Channels | 3 Connection Ground Terminal<br>2 Jumper Channels |
| Width             | 10 mm                                             | 5 mm                                              | 5 mm                                              | 6 mm                                              |
| Length            | 62.1 mm                                           | 62.2 mm                                           | 74.7 mm                                           | 70.5 mm                                           |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                         | 43.0 mm<br>50.5 mm                                | 38.0 mm<br>45.5 mm                                | 38.0 mm<br>45.5 mm                                |
| Weight per piece  | 29.4 g                                            | 10.2 g                                            | 12.4 g                                            | 14.0 g                                            |

**Technical Data/Ratings**

| Approvals                    |              |                        |              |                         |              |                         |              |                       |
|------------------------------|--------------|------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-----------------------|
| Wire Size (solid   stranded) | 24-6 AWG     | 0.2-10 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC            | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC           |
| Current Rating               | -            | -                      | -            | -                       | -            | -                       | -            | -                     |
| Insulation Material          | Polyamide 66 |                        | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                       |

**Installation Instructions**

|                       |                      |                      |                      |                        |
|-----------------------|----------------------|----------------------|----------------------|------------------------|
| Wire Stripping Length | 18 mm                | 10 mm                | 10 mm                | 10 mm                  |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm |

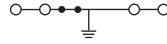
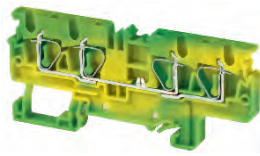
**Terminal Blocks**

|                       | Cat. No.     | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.      | Std. Pk. |
|-----------------------|--------------|----------|-----------------|----------|-----------------|----------|---------------|----------|
| <b>Yellow / Green</b> | <b>CXG10</b> | 50       | <b>CXG2.5/3</b> | 100      | <b>CXG2.5/4</b> | 50       | <b>CXG4/3</b> | 50       |

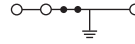
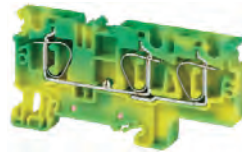
**Accessories**

|                              | Cat. No.                                                                                 | Std. Pk.                                       | Cat. No.                                   | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                                                                 | Cat. No.                                              | Std. Pk.                                                        |                                                     |
|------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------|
| End Plate                    | EPCX10                                                                                   | 20                                             | EPCX2.5/3                                  | 50                                                                                         | EPCX2.5/4                                          | 20                                                                       | EPCX4/3                                               | 20                                                              |                                                     |
| Partition Plate              | PPCX10                                                                                   | 20                                             | PPCX4/3                                    | 20                                                                                         | PPCX4/4                                            | 20                                                                       | PPCX4/3                                               | 20                                                              |                                                     |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                    | 20<br>20                                       | 2511120<br>CA701-15/S                      | 20<br>10                                                                                   | 2511120<br>CA701-15/S                              | 20<br>10                                                                 | 2511120<br>CA701-15/S                                 | 20<br>10                                                        |                                                     |
| End Stop                     | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                 | CA702<br>CA802<br>CA103                    | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50                                                           | CA702<br>CA802<br>CA103                               | 50<br>50<br>50                                                  |                                                     |
| Shorting Link/<br>Jumpers    | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX10/2<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 20<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX4/2<br>JX4/3<br>JX4/4<br>-<br>-<br>-<br>-<br>JX4/8<br>JX4/10<br>JX4/16 | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>50<br>10<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>-<br>-<br>-<br>-<br>-<br>JX6/10<br>- | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>-<br>10<br>- |
| Test Plug                    | TX10                                                                                     | 50                                             | TX2.5                                      | 50                                                                                         | TX2.5                                              | 50                                                                       | TX4                                                   | 50                                                              |                                                     |
| Marking Tag<br>Warning Label | MT10<br>WLX10                                                                            | 100<br>100                                     | MT5<br>WLX2.5                              | 100<br>100                                                                                 | MT5<br>WLX2.5                                      | 100<br>100                                                               | MT6<br>WLX4                                           | 100<br>100                                                      |                                                     |

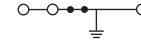
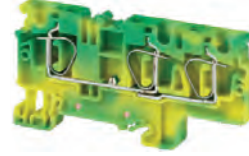
### CXG4/4



### CXG6/3



### CXG10/3



### Dimensions

|                    | CXG4/4                                            | CXG6/3                                            | CXG10/3                                           |
|--------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
|                    | 4 Connection Ground Terminal<br>2 Jumper Channels | 3 Connection Ground Terminal<br>2 Jumper Channels | 3 Connection Ground Terminal<br>2 Jumper Channels |
| Width              | 6 mm                                              | 8 mm                                              | 10 mm                                             |
| Length             | 86.2 mm                                           | 82.2 mm                                           | 82.2 mm                                           |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                         | 38.0 mm<br>45.5 mm                                | 43.0 mm<br>50.5 mm                                |
| Weight per piece   | 17.2 g                                            | 26.0 g                                            | 35.0 g                                            |

### Technical Data/Ratings

| Approvals                    |              |                       |              |                       |              |                        |
|------------------------------|--------------|-----------------------|--------------|-----------------------|--------------|------------------------|
| Wire Size (solid   stranded) | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-8 AWG     | 0.2-6 mm <sup>2</sup> | 24-6 AWG     | 0.2-10 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC            |
| Current Rating               | -            | -                     | -            | -                     | -            | -                      |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                       | Polyamide 66 |                        |

### Installation Instructions

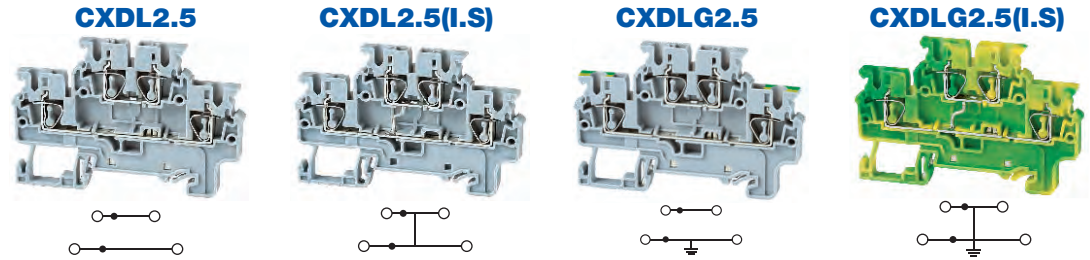
|                       |                        |                      |                      |
|-----------------------|------------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                  | 10 mm                | 18 mm                |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

### Terminal Blocks

|                       | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. |
|-----------------------|---------------|----------|---------------|----------|----------------|----------|
| <b>Yellow / Green</b> | <b>CXG4/4</b> | 50       | <b>CXG6/3</b> | 50       | <b>CXG10/3</b> | 50       |

### Accessories

|                              | Cat. No.                                                                                 | Std. Pk.                                                                 | Cat. No.                                              | Std. Pk.                                                   | Cat. No.                                       | Std. Pk.                                            |                                                 |
|------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|
| End Plate                    | EPCX4/4                                                                                  | 20                                                                       | EPCX6/3                                               | 20                                                         | EPCX10/3                                       | 20                                                  |                                                 |
| Partition Plate              | PPCX4/4                                                                                  | 20                                                                       | -                                                     | -                                                          | -                                              | -                                                   |                                                 |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                 | 2511120<br>CA701-15/S                                 | 20<br>20                                                   | 2511120<br>CA701-15/S                          | 20<br>20                                            |                                                 |
| End Stop                     | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                           | CA702<br>CA802<br>CA103                               | 50<br>50<br>50                                             | CA702<br>CA802<br>CA103                        | 50<br>50<br>50                                      |                                                 |
| Shorting Link/<br>Jumpers    | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX4/2<br>JX4/3<br>JX4/4<br>-<br>-<br>-<br>-<br>JX4/8<br>JX4/10<br>JX4/16 | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>50<br>10<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>-<br>-<br>-<br>-<br>JX6/10<br>- | 100<br>50<br>50<br>-<br>-<br>-<br>-<br>10<br>- | JX10/2<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 20<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Test Plug                    | TX4                                                                                      | 50                                                                       | TX6                                                   | 50                                                         | TX10                                           | 50                                                  |                                                 |
| Marking Tag<br>Warning Label | MT6<br>WLX4                                                                              | 100<br>100                                                               | MT8<br>WLX6                                           | 100<br>100                                                 | MT10<br>WLX10                                  | 100<br>100                                          |                                                 |



**Dimensions**

|                   |                                                        |                                          |                                                       |                              |
|-------------------|--------------------------------------------------------|------------------------------------------|-------------------------------------------------------|------------------------------|
|                   | Double Level Terminal Jumpers / Marking on both levels | Double Level Terminal Internally Shorted | Top Level Feed-Through Bottom Level Grounding Circuit | 4 Connection Ground Terminal |
| Width             | 5 mm                                                   | 5 mm                                     | 5 mm                                                  | 5 mm                         |
| Length            | 71 mm                                                  | 71 mm                                    | 71 mm                                                 | 71 mm                        |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                              | 49.5 mm<br>57 mm                         | 49.5 mm<br>57 mm                                      | 49.5 mm<br>57 mm             |
| Weight per piece  | 10.4 g                                                 | 11.0 g                                   | 13.2 g                                                | 13.8 g                       |

**Technical Data/Ratings**

|                              |                                     |                                     |                                     |                                     |
|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Approvals<br>                |                                     |                                     |                                     |                                     |
| Wire Size (solid   stranded) | 24-12 AWG   0.2-2.5 mm <sup>2</sup> | 24-12 AWG   0.2-2.5 mm <sup>2</sup> | 24-12 AWG   0.2-2.5 mm <sup>2</sup> | 24-12 AWG   0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V   1000V AC/DC                 | 600 V   1000V AC/DC                 | 600 V   1000V AC/DC                 | 600 V   1000V AC/DC                 |
| Current Rating               | 20 A   24 A                         | 20 A   24 A                         | 20 A (Top Level)   24 A (Top Level) | -   -                               |
| Insulation Material          | Polyamide 66                        | Polyamide 66                        | Polyamide 66                        | Polyamide 66                        |

**Installation Instructions**

|                       |                      |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                | 10 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

**Terminal Blocks**

|                        | Cat. No.       | Std. Pk. | Cat. No.            | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.             | Std. Pk. |
|------------------------|----------------|----------|---------------------|----------|-----------------|----------|----------------------|----------|
| <b>Grey (standard)</b> | <b>CXDL2.5</b> | 50       | <b>CXDL2.5(I.S)</b> | 50       | <b>CXDLG2.5</b> | 50       | <b>CXDLG2.5(I.S)</b> | 50       |
| Red R                  | CXDL2.5/R      | 50       | CXDL2.5(I.S)/R      | 50       | Yellow / Green  |          | Yellow / Green       |          |
| Blue BU                | CXDL2.5/BU     | 50       | CXDL2.5(I.S)/BU     | 50       |                 |          |                      |          |
| Black BL               | CXDL2.5/BL     | 50       | CXDL2.5(I.S)/BL     | 50       |                 |          |                      |          |
| Orange O               | CXDL2.5/O      | 50       | CXDL2.5(I.S)/O      | 50       |                 |          |                      |          |
| Green G                | CXDL2.5/G      | 50       | CXDL2.5(I.S)/G      | 50       |                 |          |                      |          |
| Yellow Y               | CXDL2.5/Y      | 50       | CXDL2.5(I.S)/Y      | 50       |                 |          |                      |          |
| White W                | CXDL2.5/W      | 50       | CXDL2.5(I.S)/W      | 50       |                 |          |                      |          |

**Accessories**

|                              | Cat. No.                                                                                                                                                    | Std. Pk.                                           | Cat. No.                                                                                   | Std. Pk.                                           | Cat. No.                                                                                   | Std. Pk.                                           | Cat. No.                                                                                   | Std. Pk.                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|
| End Plate                    | EPCXDL2.5                                                                                                                                                   | 50                                                 | EPCXDL2.5                                                                                  | 50                                                 | EPCXDL2.5                                                                                  | 50                                                 | EPCXDL2.5                                                                                  | 50                                                 |
| Partition Plate              | -                                                                                                                                                           | -                                                  | -                                                                                          | -                                                  | -                                                                                          | -                                                  | -                                                                                          | -                                                  |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                                                                                       | 20<br>20                                           | 2511120<br>CA701-15/S                                                                      | 20<br>20                                           | 2511120<br>CA701-15/S                                                                      | 20<br>20                                           | 2511120<br>CA701-15/S                                                                      | 20<br>20                                           |
| End Stop                     | CA702<br>CA802<br>CA103                                                                                                                                     | 50<br>50<br>50                                     | CA702<br>CA802<br>CA103                                                                    | 50<br>50<br>50                                     | CA702<br>CA802<br>CA103                                                                    | 50<br>50<br>50                                     | CA702<br>CA802<br>CA103                                                                    | 50<br>50<br>50                                     |
| Shorting Link/<br>Jumpers    | 2 pole JX2.5/2<br>3 pole JX2.5/3<br>4 pole JX2.5/4<br>5 pole JX2.5/5<br>6 pole JX2.5/6<br>7 pole JX2.5/7<br>8 pole JX2.5/8<br>10 pole JX2.5/10<br>16 pole - | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- |
| Test Plug                    | TX2.5                                                                                                                                                       | 50                                                 | TX2.5                                                                                      | 50                                                 | TX2.5                                                                                      | 50                                                 | TX2.5                                                                                      | 50                                                 |
| Marking Tag<br>Warning Label | MT5<br>WLX2.5                                                                                                                                               | 100<br>100                                         | MT5<br>WLX2.5                                                                              | 100<br>100                                         | MT5<br>WLX2.5                                                                              | 100<br>100                                         | MT5<br>WLX2.5                                                                              | 100<br>100                                         |

### HIGHLIGHTS

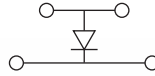
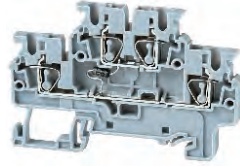
#### FEATURES

- Various configurations of Electronic Components soldered into CXDL2.5 double level Terminal Block
- Various Diode/ Resistor combinations
- Various Indicator options
- 4 Connection points for convenient wiring

#### APPLICATIONS

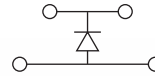
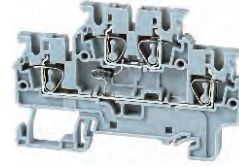
- Reverse polarity protection
- Lamp Testing
- AC/ DC voltage Indication

### CXDL2.5(E)D1



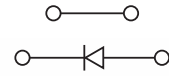
Arc Suppression Circuit Diode

### CXDL2.5(E)D2



Arc Suppression Circuit Diode

### CXDL2.5(E)D3



Reverse Polarity Protection Diode

#### Dimensions

|                   | CXDL2.5(E)D1              | CXDL2.5(E)D2       | CXDL2.5(E)D3       |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 5 mm                      | 5 mm               | 5 mm               |
| Length            | 72.7 mm                   | 72.7 mm            | 72.7 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>57.0 mm | 49.5 mm<br>57.0 mm |
| Weight per piece  | 10.6 g                    | 10.6 g             | 10.6 g             |

#### Technical Data/Ratings

| Approvals                    |              |                         |              |                         |                  |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|------------------|-------------------------|
| Wire Size (solid   stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG        | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC             | 600 V            | 1000V AC/DC             |
| Current Rating               | -            | -                       | -            | -                       | 20 A (Top Level) | 24 A (Top Level)        |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66     |                         |

#### Electronic Component Specifications

|                                 | CXDL2.5(E)D1 | CXDL2.5(E)D2 | CXDL2.5(E)D3 |
|---------------------------------|--------------|--------------|--------------|
| Diode Type                      | 1N 4007      | 1N 4007      | 1N 4007      |
| Diode Reverse Voltage / Current | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A |
| Indicator Voltage               | -            | -            | -            |

#### Installation Instructions

|                       | CXDL2.5(E)D1         | CXDL2.5(E)D2         | CXDL2.5(E)D3         |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

#### Terminal Blocks

|                 | Cat. No.            | Std. Pk. | Cat. No.            | Std. Pk. | Cat. No.            | Std. Pk. |
|-----------------|---------------------|----------|---------------------|----------|---------------------|----------|
| Grey (standard) | <b>CXDL2.5(E)D1</b> | 50       | <b>CXDL2.5(E)D2</b> | 50       | <b>CXDL2.5(E)D3</b> | 50       |

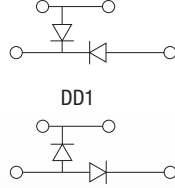
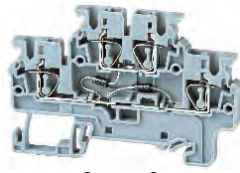
#### Accessories

|                           | Cat. No.                                                                                 | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                                                                                   |                                                    |
|---------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|
| End Plate                 | EPCXDL2.5                                                                                | 50                                                                                         | EPCXDL2.5                                          | 50                                                                                         | EPCXDL2.5                                          | 50                                                                                         |                                                    |
| DIN Rail                  | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                                   | 2511120<br>CA701-15/S                              | 20<br>20                                                                                   | 2511120<br>CA701-15/S                              | 20<br>20                                                                                   |                                                    |
| End Stop                  | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50                                                                             |                                                    |
| Shorting Link/<br>Jumpers | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- |
| Marking Tag               | MT5                                                                                      | 100                                                                                        | MT5                                                | 100                                                                                        | MT5                                                | 100                                                                                        |                                                    |

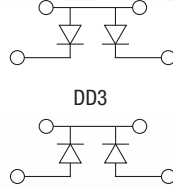


**CXDL2.5(E)DD1/DD2 CXDL2.5(E)DD3/DD4 CXDL2.5(E)LD1**

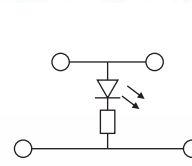
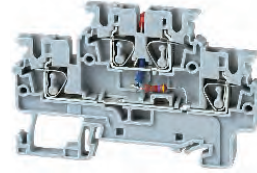
**CXDL2.5(E)TS1**



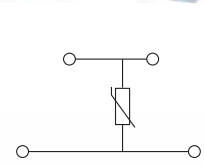
Diode Circuit for lamp testing  
DD2



Diode Circuit for lamp testing  
DD4



Voltage Indicator



PT100 Temperature Sensor

**Dimensions**

|                   |                           |                    |                    |                    |
|-------------------|---------------------------|--------------------|--------------------|--------------------|
| Width             | 5 mm                      | 5 mm               | 5 mm               | 5 mm               |
| Length            | 72.7 mm                   | 72.7 mm            | 72.7 mm            | 72.7 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>57.0 mm | 49.5 mm<br>57.0 mm | 49.5 mm<br>57.0 mm |
| Weight per piece  | 10.6 g                    | 10.6 g             | 10.6 g             | 12.2 g             |

**Technical Data/Ratings**

|                              |              |                         |           |                         |
|------------------------------|--------------|-------------------------|-----------|-------------------------|
| Approvals                    |              |                         |           |                         |
| Wire Size (solid   stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V     | 1000V AC/DC             |
| Current Rating               | -            | -                       | -         | -                       |
| Insulation Material          | Polyamide 66 |                         |           |                         |

**Electronic Component Specifications**

|                                 |              |              |                  |              |
|---------------------------------|--------------|--------------|------------------|--------------|
| Diode Type                      | 1N 4007      | 1N 4007      | 1N 4007          | 1N 4007      |
| Diode Reverse Voltage / Current | 1000 V / 1 A | 1000 V / 1 A | 1000 V / 1 A     | 1000 V / 1 A |
| Indicator Voltage               | -            | -            | 6-60V / 110-240V | -            |

**Installation Instructions**

|                       |                      |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                | 10 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

**Terminal Blocks**

|                        |                      |          |                      |          |                               |          |                      |          |
|------------------------|----------------------|----------|----------------------|----------|-------------------------------|----------|----------------------|----------|
|                        | Cat. No.             | Std. Pk. | Cat. No.             | Std. Pk. | Cat. No.                      | Std. Pk. | Cat. No.             | Std. Pk. |
| <b>Grey (standard)</b> | <b>CXDL2.5(E)DD1</b> | 50       | <b>CXDL2.5(E)DD3</b> | 50       | <b>CXDL2.5(E)LD1/6-60V</b>    | 50       | <b>CXDL2.5(E)TS1</b> | 50       |
|                        | <b>CXDL2.5(E)DD2</b> | 50       | <b>CXDL2.5(E)DD4</b> | 50       | <b>CXDL2.5(E)LD1/110-240V</b> | 50       |                      |          |

**Accessories**

|                           |          |          |          |          |          |          |          |          |     |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
| End Plate                 | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |     |
| DIN Rail                  | 2511120  | 20       | 2511120  | 20       | 2511120  | 20       | 2511120  | 20       |     |
| End Stop                  | CA702    | 50       | CA702    | 50       | CA702    | 50       | CA702    | 50       |     |
|                           | CA802    | 50       | CA802    | 50       | CA802    | 50       | CA802    | 50       |     |
|                           | CA103    | 50       | CA103    | 50       | CA103    | 50       | CA103    | 50       |     |
| Shorting Link/<br>Jumpers | 2 pole   | JX2.5/2  | 100      | JX2.5/2  | 100      | JX2.5/2  | 100      | JX2.5/2  | 100 |
|                           | 3 pole   | JX2.5/3  | 50       | JX2.5/3  | 50       | JX2.5/3  | 50       | JX2.5/3  | 50  |
|                           | 4 pole   | JX2.5/4  | 50       | JX2.5/4  | 50       | JX2.5/4  | 50       | JX2.5/4  | 50  |
|                           | 5 pole   | JX2.5/5  | 50       | JX2.5/5  | 50       | JX2.5/5  | 50       | JX2.5/5  | 50  |
|                           | 6 pole   | JX2.5/6  | 10       | JX2.5/6  | 10       | JX2.5/6  | 10       | JX2.5/6  | 10  |
|                           | 7 pole   | JX2.5/7  | 10       | JX2.5/7  | 10       | JX2.5/7  | 10       | JX2.5/7  | 10  |
|                           | 8 pole   | JX2.5/8  | 10       | JX2.5/8  | 10       | JX2.5/8  | 10       | JX2.5/8  | 10  |
| 10 pole                   | JX2.5/10 | 10       | JX2.5/10 | 10       | JX2.5/10 | 10       | JX2.5/10 | 10       |     |
| 16 pole                   | -        | -        | -        | -        | -        | -        | -        | -        |     |
| Marking Tag               | MT5      | 100      | MT5      | 100      | MT5      | 100      | MT5      | 100      |     |

# CX SERIES

SPRING TERMINAL BLOCKS

## FUSE TERMINAL BLOCKS 5 x 20 mm

### HIGHLIGHTS

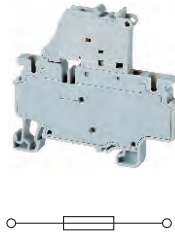
#### FEATURES

- CXF4 Series accepts 5x20mm / 5x25mm fuse types
- Completely enclosed, no endplates
- Version with LED for blown fuse indication
- AC and DC compatible
- Large marking area
- No polarity required

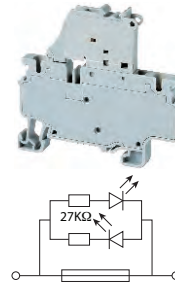
#### APPLICATIONS

- Control systems with fuse protection

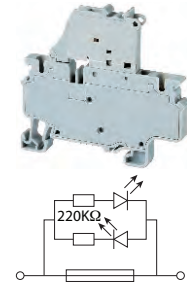
#### CXF4



#### CXF4(L)6-60V



#### CXF4(L)110-240V



#### Dimensions

| Width             | 6 mm                      | 6 mm               | 6 mm               |
|-------------------|---------------------------|--------------------|--------------------|
| Length            | 65.4 mm                   | 65.4 mm            | 65.4 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 61.3 mm<br>68.8 mm | 61.3 mm<br>68.8 mm |
| Weight per piece  | 16 g                      | 16 g               | 16 g               |

#### Technical Data/Ratings

| Approvals                    |              |                       |              |                       |              |                       |
|------------------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|
| Wire Size (solid   stranded) | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> | 24-10 AWG    | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC           | 600 V        | 1000V AC/DC           |
| Current Rating               | 10 A         | 10 A                  | 10 A         | 10 A                  | 10 A         | 10 A                  |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                       | Polyamide 66 |                       |

#### Fuse Specifications

|                       |         |             |                |
|-----------------------|---------|-------------|----------------|
| Fuse Type             | 5x20 mm | 5x20 mm     | 5x20 mm        |
| LED Indicator Voltage | -       | 6-60V AC/DC | 110-240V AC/DC |

#### Installation Instructions

|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | 10 mm                  | 10 mm                  | 10 mm                  |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

#### Terminal Blocks

|                        | Cat. No.    | Std. Pk. | Cat. No.            | Std. Pk. | Cat. No.              | Std. Pk. |
|------------------------|-------------|----------|---------------------|----------|-----------------------|----------|
| <b>Grey (standard)</b> | <b>CXF4</b> | 50       | <b>CXF4(L)6-60V</b> | 50       | <b>CXF(L)110-240V</b> | 50       |
| Blue BU                | CXF4/BU     | 50       | CXF4(L)6-60V/BU     | 50       | CXF4(L)110-240V/BU    | 50       |
| Black BL               | CXF4/BL     | 50       | CXF4(L)6-60V/BL     | 50       | CXF4(L)110-240V/BL    | 50       |

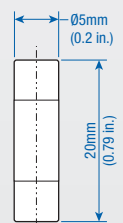
#### Accessories

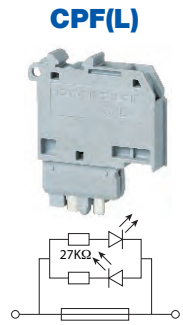
|                              | Cat. No.       | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. |
|------------------------------|----------------|----------|------------|----------|------------|----------|
| DIN Rail                     | 2511120        | 20       | 2511120    | 20       | 2511120    | 20       |
|                              | CA701-15/S     | 10       | CA701-15/S | 10       | CA701-15/S | 10       |
| Shorting Link/<br>Jumpers    | 2 pole JX4/2   | 100      | JX4/2      | 100      | JX4/2      | 100      |
|                              | 3 pole JX4/3   | 50       | JX4/3      | 50       | JX4/3      | 50       |
|                              | 4 pole JX4/4   | 50       | JX4/4      | 50       | JX4/4      | 50       |
|                              | 8 pole JX4/8   | 50       | JX4/8      | 50       | JX4/8      | 50       |
|                              | 10 pole JX4/10 | 10       | JX4/10     | 10       | JX4/10     | 10       |
|                              | 16 pole JX4/16 | 10       | JX4/16     | 10       | JX4/16     | 10       |
| Test Plug                    | TX4            | 50       | TX4        | 50       | TX4        | 50       |
| Marking Tag<br>Warning Label | MT6            | 100      | MT6        | 100      | MT6        | 100      |
|                              | WLX4           | 100      | WLX4       | 100      | WLX4       | 100      |

#### Fuses 5 x 20 mm



| Current Rating | Slow Blow Cat. No | Fast Blow Cat. No | Current Rating | Slow Blow Cat. No | Fast Blow Cat. No |
|----------------|-------------------|-------------------|----------------|-------------------|-------------------|
| 0.1A           | 0.1M5x20T         | 0.1M5x20F         | 4.0A           | 4.0M5x20T         | 4.0M5x20F         |
| 0.2A           | 0.2M5x20T         | 0.2M5x20F         | 5.0A           | 5.0M5x20T         | 5.0M5x20F         |
| 0.5A           | 0.5M5x20T         | 0.5M5x20F         | 6.3A           | 6.3M5x20T         | 6.3M5x20F         |
| 1.0A           | 1.0M5x20T         | 1.0M5x20F         | 8.0A           | 8.0M5x20T         | 8.0M5x20F         |
| 2.0A           | 2.0M5x20T         | 2.0M5x20F         | 10.0A          | 10.0M5x20T        | 10.0M5x20F        |





**Dimensions**

|                   |                           |                    |             |             |
|-------------------|---------------------------|--------------------|-------------|-------------|
| Width             | <b>6 mm</b>               | <b>6 mm</b>        | <b>6 mm</b> | <b>6 mm</b> |
| Length            | 65.4 mm                   | 28 mm              | 28 mm       | 28 mm       |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 61.3 mm<br>68.8 mm |             |             |
| Weight per piece  | 10.2 g                    | 3.8 g              | 3.8 g       | 4.2 g       |

**Technical Data/Ratings**

|                              |                  |                       |                  |                       |
|------------------------------|------------------|-----------------------|------------------|-----------------------|
| Approvals                    |                  |                       |                  |                       |
| Wire Size (solid   stranded) | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>24-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V            | 1000V AC/DC           | 600 V            | 1000V AC/DC           |
| Current Rating               | *                | *                     | 1 A              | 1 A                   |
| Insulation Material          | Polyamide 66     |                       |                  |                       |

**Carrier Specifications**

|                       |                               |                                                     |                                     |                                                            |
|-----------------------|-------------------------------|-----------------------------------------------------|-------------------------------------|------------------------------------------------------------|
| Component Type        | <b>Component carrier base</b> | <b>Plug module with diode<br/>Diode Type IN4007</b> | <b>Plug module for 5x20 mm fuse</b> | <b>Plug module for 5x20 mm fuse<br/>with LED indicator</b> |
| LED Indicator Voltage | -                             | -                                                   | -                                   | <b>6-60V AC/DC<br/>110-240V AC/DC</b>                      |

**Installation Instructions**

|                       |                        |   |   |   |
|-----------------------|------------------------|---|---|---|
| Wire Stripping Length | 10 mm                  | - | - | - |
| Screwdriver           | Flat Head 0.6 x 3.5 mm | - | - | - |

**Terminal Blocks**

|                        |              |          |             |          |            |          |                       |          |
|------------------------|--------------|----------|-------------|----------|------------|----------|-----------------------|----------|
|                        | Cat. No.     | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.              | Std. Pk. |
| <b>Grey (standard)</b> | <b>CXCC4</b> | 50       | <b>CPD1</b> | 50       | <b>CPF</b> | 50       | <b>CPF(L)6-60V</b>    | 50       |
|                        |              |          |             |          |            |          | <b>CPF(L)110-240V</b> | 50       |

**Accessories**

|                           |            |          |          |          |          |          |          |          |
|---------------------------|------------|----------|----------|----------|----------|----------|----------|----------|
| DIN Rail                  | Cat. No.   | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |
|                           | 2511120    | 20       | -        | -        | -        | -        | -        | -        |
|                           | CA701-15/S | 10       | -        | -        | -        | -        | -        | -        |
| End Stop                  | CA702      | 50       | -        | -        | -        | -        | -        | -        |
|                           | CA802      | 50       | -        | -        | -        | -        | -        | -        |
|                           | CA103      | 50       | -        | -        | -        | -        | -        | -        |
| Shorting Link/<br>Jumpers | 2 pole     | JX4/2    | 100      | -        | -        | -        | -        | -        |
|                           | 3 pole     | JX4/3    | 50       | -        | -        | -        | -        | -        |
|                           | 4 pole     | JX4/4    | 50       | -        | -        | -        | -        | -        |
|                           | 8 pole     | JX4/8    | 50       | -        | -        | -        | -        | -        |
|                           | 10 pole    | JX4/10   | 10       | -        | -        | -        | -        | -        |
|                           | 16 pole    | JX4/16   | 10       | -        | -        | -        | -        | -        |
| Test Plug                 | TX4        | 50       | -        | -        | -        | -        | -        | -        |
| Marking Tag               | MT6        | 100      | MT6      | 100      | MT6      | 100      | MT6      | 100      |
| Warning Label             | SWL4       | 50       | -        | -        | -        | -        | -        | -        |

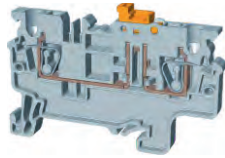
\* Current rating is based on plug used.

# CX SERIES

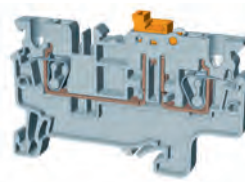
SPRING TERMINAL BLOCKS

## DISCONNECT & TEST TERMINAL BLOCKS

### CXK2.5



### CXK2.5/4



### CXK4



### Dimensions

|                   | CXK2.5                    | CXK2.5/4         | CXK4             |
|-------------------|---------------------------|------------------|------------------|
| Width             | 5 mm                      | 5 mm             | 6 mm             |
| Length            | 62.2 mm                   | 74.7 mm          | 70.5 mm          |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 38 mm<br>45.5 mm | 38 mm<br>45.5 mm |
| Weight per piece  | 8.65 g                    | 11.9 g           | 11.2 g           |

### Technical Data/Ratings

| Approvals                    |              |                         |              |                         |              |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
| Wire Size (solid   stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC             |
| Current Rating               | 16A          | 20A                     | 16A          | 20A                     | 22A          | 22A                     |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         |

### Installation Instructions

| Wire Stripping Length | 10 mm                | 10 mm                | 10 mm                  |
|-----------------------|----------------------|----------------------|------------------------|
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm |

### Terminal Blocks

|                        | Cat. No.      | Std. Pk. | Cat. No.        | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------------|---------------|----------|-----------------|----------|-------------|----------|
| <b>Grey (standard)</b> | <b>CXK2.5</b> | 50       | <b>CXK2.5/4</b> | 50       | <b>CXK4</b> | 50       |
| Red R                  | CXK2.5/R      | 50       | CXK2.5/4/R      | 50       | CXK4/R      | 50       |
| Blue BU                | CXK2.5/BU     | 50       | CXK2.5/4/BU     | 50       | CXK4/BU     | 50       |
| Black BL               | CXK2.5/BL     | 50       | CXK2.5/4/BL     | 50       | CXK4/BL     | 50       |
| Orange O               | CXK2.5/O      | 50       | CXK2.5/4/O      | 50       | CXK4/O      | 50       |
| Green G                | CXK2.5/G      | 50       | CXK2.5/4/G      | 50       | CXK4/G      | 50       |
| Yellow Y               | CXK2.5/Y      | 50       | CXK2.5/4/Y      | 50       | CXK4/Y      | 50       |
| White W                | CXK2.5/W      | 50       | CXK2.5/4/W      | 50       | CXK4/W      | 50       |

### Accessories

|                           | Cat. No.         | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. |
|---------------------------|------------------|----------|------------|----------|------------|----------|
| End Plate                 | EPCX2.5/3        | 50       | EPCX2.5/4  | 50       | -          | -        |
| Partition Plate           | PPCX4/3          | 20       | PPCX4/4    | 20       | PPCX4/3    | 20       |
| DIN Rail                  | 2511120          | 20       | 2511120    | 20       | 2511120    | 20       |
|                           | CA701-15/S       | 10       | CA701-15/S | 10       | CA701-15/S | 10       |
| End Stop                  | CA702            | 50       | CA702      | 50       | CA702      | 50       |
|                           | CA802            | 50       | CA802      | 50       | CA802      | 50       |
|                           | CA103            | 50       | CA103      | 50       | CA103      | 50       |
| Shorting Link/<br>Jumpers | 2 pole JX2.5/2   | 100      | JX2.5/2    | 100      | JX4/2      | 100      |
|                           | 3 pole JX2.5/3   | 50       | JX2.5/3    | 50       | JX4/3      | 50       |
|                           | 4 pole JX2.5/4   | 50       | JX2.5/4    | 50       | JX4/4      | 50       |
|                           | 5 pole JX2.5/5   | 50       | JX2.5/5    | 50       | -          | -        |
|                           | 6 pole JX2.5/6   | 10       | JX2.5/6    | 10       | -          | -        |
|                           | 7 pole JX2.5/7   | 10       | JX2.5/7    | 10       | -          | -        |
|                           | 8 pole JX2.5/8   | 10       | JX2.5/8    | 10       | JX4/8      | 10       |
|                           | 10 pole JX2.5/10 | 10       | JX2.5/10   | 10       | JX4/10     | 10       |
|                           | -                | -        | -          | -        | JX4/16     | 10       |
| Test Plug                 | TX2.5            | 50       | TX2.5      | 50       | TX4        | 50       |
| Marking Tag               | MT5              | 100      | MT5        | 100      | MT6        | 100      |
| Warning Label             | WLX2.5           | 100      | WLX2.5     | 100      | WLX4       | 100      |

**CXS2.5**



**CXS4**



**CXSG2.5, CXSG4**



**HIGHLIGHTS**

**FEATURES**

- Side Entry Spring Terminals
- Compact Design
- Same Jumpers as regular CX Series
- 5mm and 6mm Feed Through Terminal
- 2 Connection Ground Blocks
- Low Height requirements

**APPLICATIONS**

- Flat Cabinets
- Same wire entry as regular screw terminals

**Dimensions**

|                    | 5 mm Side Entry Feed Through | 6 mm Side Entry Feed Through | 5 / 6 mm Side Entry Ground Terminal |
|--------------------|------------------------------|------------------------------|-------------------------------------|
| <b>Width</b>       | <b>5 mm</b>                  | <b>6 mm</b>                  | <b>5 / 6 mm</b>                     |
| Length             | 43 mm                        | 43 mm                        | 43 mm                               |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm    | 43.5 mm<br>51 mm             | 43.5 mm<br>51 mm                    |
| Weight per piece   | 5.4 g                        | g                            | 8.4 g                               |

**Technical Data/Ratings**

| Approvals           |                |                       |                              |                       |                            |                                      |                                                  |
|---------------------|----------------|-----------------------|------------------------------|-----------------------|----------------------------|--------------------------------------|--------------------------------------------------|
| Wire Size           | CXS2.5<br>CXS4 | <b>24-12 AWG</b><br>- | 0.2-2.5 mm <sup>2</sup><br>- | -<br><b>24-10 AWG</b> | -<br>0.2-4 mm <sup>2</sup> | <b>24-12 AWG</b><br><b>24-10 AWG</b> | 0.2-2.5 mm <sup>2</sup><br>0.2-4 mm <sup>2</sup> |
| Voltage Rating      |                | 600 V                 | 1000V AC/DC                  | 600 V                 | 1000V AC/DC                | 600 V                                | 1000V AC/DC                                      |
| Current Rating      |                | 20A                   | 24A                          | 30A                   | 32A                        | -                                    | -                                                |
| Insulation Material | Polyamide 66   |                       | Polyamide 66                 |                       | Polyamide 66               |                                      |                                                  |

**Installation Instructions**

| Wire Stripping Length | 9 mm                 | 10 mm                | 10 mm                |
|-----------------------|----------------------|----------------------|----------------------|
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

**Terminal Blocks**

|                        | Cat. No.      | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|---------------|----------|-------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>CXS2.5</b> | 50       | <b>CXS4</b> | 50       | <b>CXSG2.5</b> | 50       |
| Red R                  | CXS2.5/R      | 50       | CXS4/R      | 50       | <b>CXS4</b>    | 50       |
| Blue BU                | CXS2.5/BU     | 50       | CXS4/BU     | 50       | Yellow / Green |          |
| Black BL               | CXS2.5/BL     | 50       | CXS4/BL     | 50       |                |          |
| Orange O               | CXS2.5/O      | 50       | CXS4/O      | 50       |                |          |
| Green G                | CXS2.5/G      | 50       | CXS4/G      | 50       |                |          |
| Yellow Y               | CXS2.5/Y      | 50       | CXS4/Y      | 50       |                |          |
| White W                | CXS2.5/W      | 50       | CXS4/W      | 50       |                |          |

**Accessories**

|                              | Cat. No.                                                                                 | Std. Pk.                                                                                   | Cat. No.                                           | Std. Pk.                                                            | Cat. No.                                         | Std. Pk.                                                                                   |                                                    |
|------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|
| End Plate                    | EPCXS2.5                                                                                 | 50                                                                                         | EPCXS2.5                                           | 50                                                                  | EPCXS2.5                                         | 50                                                                                         |                                                    |
| DIN Rail                     | 2511120<br>CA701-15/S                                                                    | 20<br>20                                                                                   | 2511120<br>CA701-15/S                              | 20<br>20                                                            | 2511120<br>CA701-15/S                            | 20<br>20                                                                                   |                                                    |
| End Stop                     | CA702<br>CA802<br>CA103                                                                  | 50<br>50<br>50                                                                             | CA702<br>CA802<br>CA103                            | 50<br>50<br>50                                                      | CA702<br>CA802<br>CA103                          | 50<br>50<br>50                                                                             |                                                    |
| Shorting Link/<br>Jumpers    | 2 pole<br>3 pole<br>4 pole<br>5 pole<br>6 pole<br>7 pole<br>8 pole<br>10 pole<br>16 pole | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- | JX4/2<br>JX4/3<br>JX4/4<br>-<br>-<br>-<br>JX4/8<br>JX4/10<br>JX4/16 | 100<br>50<br>50<br>-<br>-<br>-<br>10<br>10<br>10 | JX2.5/2<br>JX2.5/3<br>JX2.5/4<br>JX2.5/5<br>JX2.5/6<br>JX2.5/7<br>JX2.5/8<br>JX2.5/10<br>- | 100<br>50<br>50<br>50<br>10<br>10<br>10<br>10<br>- |
| Test Plug                    | TX2.5                                                                                    | 50                                                                                         | -                                                  | -                                                                   | -                                                | -                                                                                          |                                                    |
| Marking Tag<br>Warning Label | MT5<br>WLX2.5                                                                            | 100<br>100                                                                                 | MT5<br>WLX2.5                                      | 100<br>100                                                          | MT5<br>WL2.5                                     | 100<br>100                                                                                 |                                                    |





# CX-PLUGGABLE

SPRING TERMINAL BLOCKS

## PLUGGABLE FEED-THROUGH TERMINAL BLOCKS

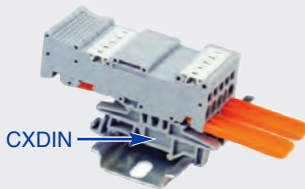
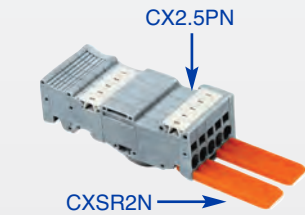
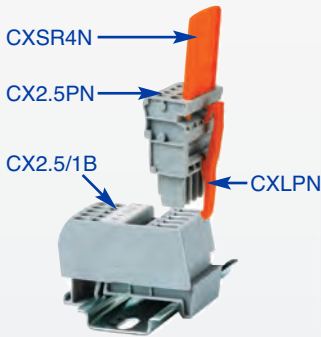
### HIGHLIGHTS

#### FEATURES

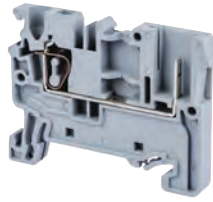
- Pluggable Terminal Blocks
- Pluggable Wire to DIN Rail connection (CX2.5/1B-CX2.5PN)
- Pluggable Wire to Wire Connection (CX2.5SN - CX2.5PN)
- Easy Clip multi-wire solution
- Polarizing plug with coding pin CXPOL
- 2/4 way strain relief (CXSR2N, CXSR4N)

#### APPLICATIONS

- Wire harness for easy connection
- Pluggable wire to wire connection inside panels



### CX2.5/1B



### CX2.5PN



### CX2.5SN



#### Dimensions & Weight

|                   | DIN Rail Base             | Stackable Terminal Plug | Stackable Terminal Socket |
|-------------------|---------------------------|-------------------------|---------------------------|
| Width             | 5 mm                      | 5 mm                    | 5 mm                      |
| Length            | 50.8 mm                   | 17.5 mm                 | 18 mm                     |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 38.2 mm<br>45.7 mm      | 42.0 mm<br>40.0 mm        |
| Weight per piece  | 6.6 g                     | 6.3 g                   | 6.0 g                     |

#### Technical Data/Ratings

| Approvals                    | UL           |                         | IEC          |                         | UL           |                         | IEC          |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
|                              | 60947-7-1    |                         | 60947-7-1    |                         | 60947-7-1    |                         | 60947-7-1    |                         |
| Wire Size (solid / stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 300 V        | 800 V                   | 300 V        | 800 V                   | 300 V        | 800 V                   | 300 V        | 800 V                   |
| Current Rating               | 20 A         | 24 A                    | 20 A         | 24 A                    | 20 A         | 24 A                    | 20 A         | 24 A                    |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         |

#### Installation Instructions

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 8 mm                 | 8 mm                 | 8 mm                 |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

#### Terminal Blocks

|                                      | Cat. No.        | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|--------------------------------------|-----------------|----------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> Start Element | <b>CX2.5/1B</b> | 100      | <b>CX2.5PN</b> | 50       | <b>CX2.5SN</b> | 50       |
| Last Element                         |                 |          | CX2.5PLN       | 50       | CX2.5SLN       | 50       |
| 2 pole                               |                 |          | CX2.5PN/2      | 50       | CX2.5SN/2      | 50       |
| 3 pole                               |                 |          | CX2.5PN/3      | 50       | CX2.5SN/3      | 50       |
| 4 pole                               |                 |          | CX2.5PN/3      | 50       | CX2.5SN/4      | 50       |
| 5 pole                               |                 |          | CX2.5PN/4      | 50       | CX2.5SN/5      | 50       |
| 6 pole                               |                 |          | CX2.5PN/5      | 50       | CX2.5SN/6      | 50       |

#### Accessories

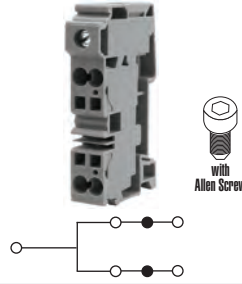
|                           | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|---------------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate                 | EPCX2.5    | 50               | -          | -                | -          | -                |
| DIN Rail                  | 2511120    | 20               | 2511120    | 20               | 2511120    | 20               |
|                           | CA701-15/S | 20               | CA701-15/S | 20               | CA701-15/S | 20               |
| End Clamp                 | CA702      | 50               | CA702      | 50               | CA702      | 50               |
|                           | CA802      | 50               | CA802      | 50               | CA802      | 50               |
|                           | CA103      | 50               | CA103      | 50               | CA103      | 50               |
| Shorting Link/<br>Jumpers | 2 pole     | JX2.5/2          | 100        | -                | -          | -                |
|                           | 3 pole     | JX2.5/3          | 50         | -                | -          | -                |
|                           | 4 pole     | JX2.5/4          | 50         | -                | -          | -                |
|                           | 5 pole     | JX2.5/5          | 50         | -                | -          | -                |
|                           | 6 pole     | JX2.5/6          | 10         | -                | -          | -                |
|                           | 7 pole     | JX2.5/7          | 10         | -                | -          | -                |
|                           | 8 pole     | JX2.5/8          | 10         | -                | -          | -                |
|                           | 10 pole    | JX2.5/10         | 10         | -                | -          | -                |
| DIN Mounting Foot         | -          | -                | -          | -                | CXDIN      | 25               |
| Locking Clip              | -          | -                | CXLPLN     | 25               | -          | -                |
| Strain Relief             | 2 Way      | -                | -          | -                | CXSR2N     | 25               |
|                           | 4 Way      | -                | -          | -                | CXSR4N     | 25               |
| Coding Pin                | CXPOL      | 25               | CXPOL      | 25               | CXPOL      | 25               |
| Marking Tag               | MT5        | 1 Pk. (100 tags) | MT5        | 1 Pk. (100 tags) | MT5        | 1 Pk. (100 tags) |

**CXDB35/10**

**CXDB35/10A**



1 Flat Head Screw Input  
4 Spring Clamp Outputs



1 Hex Screw Input  
4 Spring Clamp Outputs

**Dimensions & Weight**

|                    |                           |                    |
|--------------------|---------------------------|--------------------|
| Width              | 16 mm                     | 16 mm              |
| Length             | 81.6 mm                   | 81.6 mm            |
| Height w/ DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 46.8 mm<br>54.3 mm |
| Weight per piece   | 53.2 g                    | 53.2 g             |

**General Specifications**

|                     |                   |                   |
|---------------------|-------------------|-------------------|
| Approvals           |                   |                   |
| Voltage Rating      | 600 V 1000V AC/DC | 600 V 1000V AC/DC |
| Insulation Material | Polyamide 66      | Polyamide 66      |

**INPUT**

**Technical Data/Ratings**

|                              |                                 |                                 |
|------------------------------|---------------------------------|---------------------------------|
| Wire Size (solid / stranded) | 14-2 AWG 1.5-35 mm <sup>2</sup> | 14-2 AWG 1.5-35 mm <sup>2</sup> |
| Current Rating               | 115 A 125 A                     | 115 A 125 A                     |
| Torque                       | 25 lb-in 2.5 Nm                 | 25 lb-in 2.5 Nm                 |

**Installation Instructions**

|                       |                        |              |
|-----------------------|------------------------|--------------|
| Wire Stripping Length | 17 mm                  | 17 mm        |
| Screwdriver           | Flat Head 1.0 x 5.5 mm | Hex Screw M5 |

**OUTPUT**

**Technical Data/Ratings**

|                              |                                 |                                 |
|------------------------------|---------------------------------|---------------------------------|
| Wire Size (solid / stranded) | 24-8 AWG 0.2-10 mm <sup>2</sup> | 24-8 AWG 0.2-10 mm <sup>2</sup> |
| Current Rating               | 41 A 41 A                       | 41 A 41 A                       |

**Installation Instructions**

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Wire Stripping Length | 15 mm                | 15 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

**Terminal Blocks**

|             |                  |          |                   |          |
|-------------|------------------|----------|-------------------|----------|
|             | Cat. No.         | Std. Pk. | Cat. No.          | Std. Pk. |
| <b>Grey</b> | <b>CXDB35/10</b> | 20       | <b>CXDB35/10A</b> | 20       |

**Accessories**

|             |                                   |                       |                                   |                       |
|-------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------|
|             | Cat. No.                          | Std. Pk.              | Cat. No.                          | Std. Pk.              |
| DIN Rail    | 2511120<br>CA701-15/S             | 20<br>20              | 2511120<br>CA701-15/S             | 20<br>20              |
| End Clamp   | CA702<br>CA802<br>CA103           | 50<br>50<br>50        | CA702<br>CA802<br>CA103           | 50<br>50<br>50        |
| Jumpers     | JX6/2<br>JX6/3<br>JX6/4<br>JX6/10 | 100<br>50<br>50<br>10 | JX6/2<br>JX6/3<br>JX6/4<br>JX6/10 | 100<br>50<br>50<br>10 |
| Marking Tag | MT16                              | 1 Pk. (100 tags)      | MT16                              | 1 Pk. (100 tags)      |

**HIGHLIGHTS**

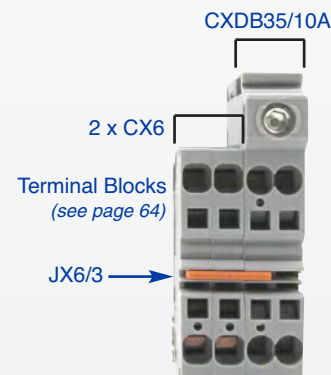
**FEATURES**

- Hybrid Distribution Terminal Block
- Screw input (115A)
- 4 spring clamp outputs (4 x41A)
- Modular system
- Standard slot & hex screw versions
- Expandable with standard CX Series jumpers and terminal blocks
- Easy Installation

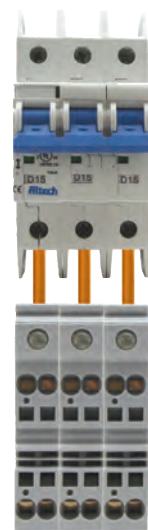
**APPLICATIONS**

- Miniature Circuit Breaker (MCB) distribution
- Limited space distribution

**Output Expansion**



**MCB Distribution Example**



# ANGULAR SERIES

SPRING TERMINAL BLOCKS

## ANGULAR FEED-THROUGH

### HIGHLIGHTS

#### FEATURES

- 45° Wire entry for easy installation
- 2.5mm to 8mm terminal blocks
- 22-8 AWG wire sizes
- 2, 3, and 4 Connection **Ground Terminals**
- Accessories

#### APPLICATIONS

- Panels with limited wiring space
- Vibration Applications
- Elevator Cabinets
- People Movers
- Transportation



#### Dimensions & Weight

|                   | AS2.5                     | AS4                | AS6                |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 5 mm                      | 6 mm               | 8 mm               |
| Length            | 54 mm                     | 61.5 mm            | 74 mm              |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 44.0 mm<br>51.0 mm | 49.3 mm<br>57.0 mm |
| Weight per piece  | 6.5 g                     | 9.0 g              | 14.8 g             |

#### Technical Data/Ratings

| Approvals                    | AS2.5        |                          | AS4        |                       | AS6        |                       |
|------------------------------|--------------|--------------------------|------------|-----------------------|------------|-----------------------|
| CE, UL, IEC                  | UL E220514   | IEC 60947-7-1            | UL E220514 | IEC 60947-7-1         | UL E220514 | IEC 60947-7-1         |
| Wire Size (solid / stranded) | 22-12 AWG    | 0.34-2.5 mm <sup>2</sup> | 22-10 AWG  | 0.2-4 mm <sup>2</sup> | 22-8 AWG   | 0.2-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 800V AC/DC               | 600 V      | 800V AC/DC            | 600 V      | 800V AC/DC            |
| Current Rating               | 25 A         | 24 A                     | 35 A       | 32 A                  | 50 A       | 41 A                  |
| Insulation Material          | Polyamide 66 |                          |            |                       |            |                       |

#### Installation Instructions

| Wire Stripping Length | AS2.5               | AS4                    | AS6                  |
|-----------------------|---------------------|------------------------|----------------------|
| Wire Stripping Length | 11 mm               | 15 mm                  | 15 mm                |
| Screwdriver           | Flat Head 0.5 x 3mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm |

#### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. |
|------------------------|--------------|----------|------------|----------|------------|----------|
| <b>Grey (standard)</b> | <b>AS2.5</b> | 100      | <b>AS4</b> | 100      | <b>AS6</b> | 50       |
| Red R                  | AS2.5/R      | 100      | AS4/R      | 100      | AS6/R      | 50       |
| Blue BU                | AS2.5/BU     | 100      | AS4/BU     | 100      | AS6/BU     | 50       |
| Black BL               | AS2.5/BL     | 100      | AS4/BL     | 100      | AS6/BL     | 50       |
| Orange O               | AS2.5/O      | 100      | AS4/O      | 100      | AS6/O      | 50       |
| Green G                | AS2.5/G      | 100      | AS4/G      | 100      | AS6/G      | 50       |
| Yellow Y               | AS2.5/Y      | 100      | AS4/Y      | 100      | AS6/Y      | 50       |
| White W                | AS2.5/W      | 100      | AS4/W      | 100      | AS6/W      | 50       |

#### Accessories

|                     | Cat. No.                                                   | Std. Pk.               | Cat. No.                     | Std. Pk.             | Cat. No.                           | Std. Pk.               |
|---------------------|------------------------------------------------------------|------------------------|------------------------------|----------------------|------------------------------------|------------------------|
| End Plate           | EPAS2.5                                                    | 50                     | EPAS4                        | 50                   | EPAS6                              | 50                     |
| DIN Rail            | 2511120<br>CA701-15/S                                      | 20<br>20               | 2511120<br>CA701-15/S        | 20<br>20             | 2511120<br>CA701-15/S              | 20<br>20               |
| End Stop            | CA103<br>CA702<br>CA802                                    | 50<br>50<br>50         | CA103<br>CA702<br>CA802      | 50<br>50<br>50       | CA103<br>CA702<br>CA802            | 50<br>50<br>50         |
| 2 Pole Jumper       | CA801/1                                                    | 100                    | CA801/2                      | 100                  | CA801/3                            | 100                    |
| Jumpers Alternate   | CA801/1-3                                                  | 100                    | CA801/2-3                    | 100                  | CA801/3-3                          | 100                    |
| Push in wire jumper | CA901/1                                                    | 100                    | CA901/2                      | 100                  | CA901/3                            | 100                    |
| Step Down Jumper    | AS6 to AS4<br>AS6 to AS2.5<br>AS4 to AS2.5<br>AS6 to AS2.5 | -<br>100<br>100<br>100 | CA901/4<br>-<br>CA901/6<br>- | 100<br>-<br>100<br>- | CA901/4<br>CA901/5<br>-<br>CA801/8 | 100<br>100<br>-<br>100 |
| Marking Tag         | MT5                                                        | 1 Pk. (100 tags)       | MT6                          | 1 Pk. (100 tags)     | MT8                                | 1 Pk. (100 tags)       |

**AS2.5/3**



**AS2.5/4**



**AS4/3**



**AS4/4**



**Dimensions & Weight**

|                          | 3 Connection Feed-Through<br>2 Jumper Slots | 4 Connection Feed-Through | 3 Connection Feed-Through<br>2 Jumper Slots | 4 Connection Feed-Through |
|--------------------------|---------------------------------------------|---------------------------|---------------------------------------------|---------------------------|
| <b>Width</b>             | <b>5 mm</b>                                 | <b>5 mm</b>               | <b>6 mm</b>                                 | <b>6 mm</b>               |
| <b>Length</b>            | 54 mm                                       | 54 mm                     | 61.5 mm                                     | 61.5 mm                   |
| <b>Height w DIN Rail</b> | 35 x 7.5 mm<br>35 x 15 mm                   | 44.0 mm<br>51.0 mm        | 44.0 mm<br>51.0 mm                          | 44.0 mm<br>51.0 mm        |
| <b>Weight per piece</b>  | 7.5 g                                       | 15.5 g                    | 11.0 g                                      | 12.6 g                    |

**Technical Data/Ratings**

| Approvals                           |                  |                          |                  |                          |                  |                       |                  |                       |
|-------------------------------------|------------------|--------------------------|------------------|--------------------------|------------------|-----------------------|------------------|-----------------------|
| <b>Wire Size (solid / stranded)</b> | <b>22-12 AWG</b> | 0.34-2.5 mm <sup>2</sup> | <b>22-12 AWG</b> | 0.34-2.5 mm <sup>2</sup> | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V            | 800V AC/DC               | 600 V            | 800V AC/DC               | 600 V            | 800V AC/DC            | 600 V            | 800V AC/DC            |
| <b>Current Rating</b>               | 25 A             | 24 A                     | 25 A             | 24 A                     | 35 A             | 32 A                  | 35 A             | 32 A                  |
| <b>Insulation Material</b>          | Polyamide 66     |                          | Polyamide 66     |                          | Polyamide 66     |                       | Polyamide 66     |                       |

**Installation Instructions**

|                              |                      |                      |                        |                        |
|------------------------------|----------------------|----------------------|------------------------|------------------------|
| <b>Wire Stripping Length</b> | 11 mm                | 11 mm                | 15 mm                  | 15 mm                  |
| <b>Screwdriver</b>           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|--------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>AS2.5/3</b> | 100      | <b>AS2.5/4</b> | 100      | <b>AS4/3</b> | 100      | <b>AS4/4</b> | 100      |
| Red R                  | AS2.5/3/R      | 100      | AS2.5/4/R      | 100      | AS4/3/R      | 100      | AS4/4/R      | 100      |
| Blue BU                | AS2.5/3/BU     | 100      | AS2.5/4/BU     | 100      | AS4/3/BU     | 100      | AS4/4/BU     | 100      |
| Black BL               | AS2.5/3/BL     | 100      | AS2.5/4/BL     | 100      | AS4/3/BL     | 100      | AS4/4/BL     | 100      |
| Orange O               | AS2.5/3/O      | 100      | AS2.5/4/O      | 100      | AS4/3/O      | 100      | AS4/4/O      | 100      |
| Green G                | AS2.5/3/G      | 100      | AS2.5/4/G      | 100      | AS4/3/G      | 100      | AS4/4/G      | 100      |
| Yellow Y               | AS2.5/3/Y      | 100      | AS2.5/4/Y      | 100      | AS4/3/Y      | 100      | AS4/4/Y      | 100      |
| White W                | AS2.5/3/W      | 100      | AS2.5/4/W      | 100      | AS4/3/W      | 100      | AS4/4/W      | 100      |

**Accessories**

|                            | Cat. No.                                                   | Std. Pk.                           | Cat. No.                | Std. Pk.         | Cat. No.                     | Std. Pk.             | Cat. No.                | Std. Pk.         |
|----------------------------|------------------------------------------------------------|------------------------------------|-------------------------|------------------|------------------------------|----------------------|-------------------------|------------------|
| <b>End Plate</b>           | EPAS2.5                                                    | 50                                 | EPAS2.5                 | 50               | EPAS4                        | 50                   | EPAS4                   | 50               |
| <b>DIN Rail</b>            | 2511120<br>CA701-15/S                                      | 20<br>20                           | 2511120<br>CA701-15/S   | 20<br>20         | 2511120<br>CA701-15/S        | 20<br>20             | 2511120<br>CA701-15/S   | 20<br>20         |
| <b>End Stop</b>            | CA103<br>CA702<br>CA802                                    | 50<br>50<br>50                     | CA103<br>CA702<br>CA802 | 50<br>50<br>50   | CA103<br>CA702<br>CA802      | 50<br>50<br>50       | CA103<br>CA702<br>CA802 | 50<br>50<br>50   |
| <b>2 Pole Jumper</b>       | CA801/1                                                    | 100                                | DOES NOT ACCEPT JUMPERS |                  | CA801/2                      | 100                  | DOES NOT ACCEPT JUMPERS |                  |
| <b>Jumpers Alternate</b>   | CA801/1-3                                                  | 100                                | -                       | -                | CA801/2-3                    | 100                  | -                       | -                |
| <b>Push in wire jumper</b> | CA901/1                                                    | 100                                | -                       | -                | CA901/2                      | 100                  | -                       | -                |
| <b>Step Down Jumper</b>    | AS6 to AS4<br>AS6 to AS2.5<br>AS4 to AS2.5<br>AS6 to AS2.5 | -<br>CA901/5<br>CA901/6<br>CA801/8 | -<br>100<br>100<br>100  | -<br>-<br>-<br>- | CA901/4<br>-<br>CA901/6<br>- | 100<br>-<br>100<br>- | -<br>-<br>-<br>-        | -<br>-<br>-<br>- |
| <b>Marking Tag</b>         | MT5                                                        | 1 Pk. (100 tags)                   | MT5                     | 1 Pk. (100 tags) | MT6                          | 1 Pk. (100 tags)     | MT6                     | 1 Pk. (100 tags) |

# ANGULAR SERIES

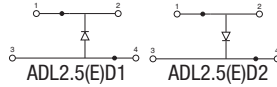
SPRING TERMINAL BLOCKS

## DOUBLE LEVEL ANGULAR FEED-THROUGH

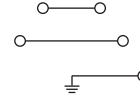
**AS6/3**



**ADL2.5(E)D1/D2**



**ADLG2.5**



### Dimensions & Weight

|                   | AS6/3                     | ADL2.5(E)D1/D2   | ADLG2.5            |
|-------------------|---------------------------|------------------|--------------------|
| Width             | 8 mm                      | 5 mm             | 5 mm               |
| Length            | 74 mm                     | 79.5 mm          | 83.7 mm            |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>57 mm | 64.8 mm<br>72.3 mm |
| Weight per piece  | 18.6 g                    | 14.0 g           | 20.9 g             |

### Technical Data/Ratings

| Approvals                    |              |                       |              |                          |              |                      |
|------------------------------|--------------|-----------------------|--------------|--------------------------|--------------|----------------------|
| Wire Size (solid / stranded) | 22-8 AWG     | 0.2-6 mm <sup>2</sup> | 22-12 AWG    | 0.34-2.5 mm <sup>2</sup> | 22-12 AWG    | 0.34 mm <sup>2</sup> |
| Voltage Range                | 600V         | 800V                  | 300V         | 800V                     | 600V         | 800V                 |
| Current Rating               | 50 A         | 41 A                  | 25 A         | 24 A                     | 20 A         | 24 A                 |
| Insulation Material          | Polyamide 66 |                       | Polyamide 66 |                          | Polyamide 66 |                      |

### Installation Instructions

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 15 mm                | 11 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

### Terminal Blocks

|                        | Cat. No.     | Std. Pk. | Cat. No.                                 | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|--------------|----------|------------------------------------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>AS6/3</b> | 50       | <b>ADL2.5(E)D1</b><br><b>ADL2.5(E)D2</b> | 50<br>50 | <b>ADLG2.5</b> | 50       |
| Red R                  | AS6/3/R      | 50       |                                          |          | Yellow/Green   |          |
| Blue BU                | AS6/3/BU     | 50       |                                          |          |                |          |
| Black BL               | AS6/3/BL     | 50       |                                          |          |                |          |
| Orange O               | AS6/3/O      | 50       |                                          |          |                |          |
| Green G                | AS6/3/G      | 50       |                                          |          |                |          |
| Yellow Y               | AS6/3/Y      | 50       |                                          |          |                |          |
| White W                | AS6/3/W      | 50       |                                          |          |                |          |

### Accessories

|                     | Cat. No.                                                   | Std. Pk.                           | Cat. No.                | Std. Pk.                           | Cat. No.                | Std. Pk.         |
|---------------------|------------------------------------------------------------|------------------------------------|-------------------------|------------------------------------|-------------------------|------------------|
| End Plate           | EPAS6                                                      | 50                                 | EPADL2.5                | 50                                 | EPADLG2.5               | 50               |
| DIN Rail            | 2511120<br>CA701-15/S                                      | 20<br>20                           | 2511120<br>CA701-15/S   | 20<br>20                           | 2511120<br>CA701-15/S   | 20<br>20         |
| End Stop            | CA103<br>CA702<br>CA802                                    | 50<br>50<br>50                     | CA103<br>CA702<br>CA802 | 50<br>50<br>50                     | CA103<br>CA702<br>CA802 | 50<br>50<br>50   |
| Jumpers Adjacent    | CA801/3                                                    | 100                                | CA801/1                 | 100                                | -                       | -                |
| Jumpers Alternate   | CA801/3-3                                                  | 100                                | CA801/1-3               | 100                                | -                       | -                |
| Push in wire jumper | CA901/3                                                    | 100                                | CA901/1                 | 100                                | -                       | -                |
| Step Down Jumper    | AS6 to AS4<br>AS6 to AS2.5<br>AS4 to AS2.5<br>AS6 to AS2.5 | CA901/4<br>CA901/5<br>-<br>CA801/8 | 100<br>100<br>-<br>100  | -<br>CA901/5<br>CA901/6<br>CA901/8 | -<br>100<br>100<br>100  | -<br>-<br>-<br>- |
| Marking Tag         | MT8                                                        | 1 Pk. (100 tags)                   | MT5                     | 1 Pk. (100 tags)                   | MT2G                    | 1 Pk. (100 tags) |



## TRIPLE LEVEL ANGULAR SPRING CLAMP



### Dimensions & Weight

|                   | ATL2.5                    | ATL2.5H            | ATLG2.5            |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 5 mm                      | 5 mm               | 5 mm               |
| Length            | 100 mm                    | 76.1 mm            | 100 mm             |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm | 75.0 mm<br>82.5 mm | 75.0 mm<br>82.5 mm |
| Weight per piece  | 19.4 g                    | 12.2 g             | 23.6 g             |

### Technical Data/Ratings

| Approvals                    | UL E220514   |                         | IEC 60947-7-1 |                         | UL E220514   |                         | IEC 60947-7-1 |                         |
|------------------------------|--------------|-------------------------|---------------|-------------------------|--------------|-------------------------|---------------|-------------------------|
| Wire Size (solid / stranded) | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 22-12 AWG     | 0.2-2.5 mm <sup>2</sup> | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 22-12 AWG     | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 500 V                   | -             | 500 V                   | 600 V        | 500 V                   | 600 V         | 500 V                   |
| Current Rating               | 20 A         | 24 A                    | -             | 24 A                    | 20 A         | 24 A                    | 20 A          | 24 A                    |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66  |                         | Polyamide 66 |                         | Polyamide 66  |                         |

### Installation Instructions

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

### Terminal Blocks

|                        | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. |
|------------------------|---------------|----------|----------------|----------|----------------|----------|
| <b>Grey (standard)</b> | <b>ATL2.5</b> | 100      | <b>ATL2.5H</b> | 100      | <b>ATLG2.5</b> | 100      |
| Red R                  | ATL2.5/R      | 100      | ATL2.5H/R      | 100      | Yellow/Green   |          |
| Blue BU                | ATL2.5/BU     | 100      | ATL2.5H/BU     | 100      |                |          |
| Black BL               | ATL2.5/BL     | 100      | ATL2.5H/BL     | 100      |                |          |
| Orange O               | ATL2.5/O      | 100      | ATL2.5H/O      | 100      |                |          |
| Green G                | ATL2.5/G      | 100      | ATL2.5H/G      | 100      |                |          |
| Yellow Y               | ATL2.5/Y      | 100      | ATL2.5H/Y      | 100      |                |          |
| White W                | ATL2.5/W      | 100      | ATL2.5H/W      | 100      |                |          |

### Accessories

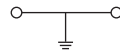
|                 | Cat. No.                                                                   | Std. Pk.                | Cat. No.                                                                   | Std. Pk.                | Cat. No.                                                                   | Std. Pk.                |
|-----------------|----------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------|-------------------------|
| End Plate       | EPATL2.5                                                                   | 50                      | EPATL2.5H                                                                  | 50                      | EPATLG2.5                                                                  | 50                      |
| DIN Rail        | 2511120<br>CA701-15/S                                                      | 20<br>20                | 2511120<br>CA701-15/S                                                      | 20<br>20                | 2511120<br>CA701-15/S                                                      | 20<br>20                |
| End Stop        | CA702<br>CA802<br>CA202<br>CA103                                           | 50<br>50<br>50<br>50    | CA702<br>CA802<br>CA202<br>CA103                                           | 50<br>50<br>50<br>50    | CA702<br>CA802<br>CA202<br>CA103                                           | 50<br>50<br>50<br>50    |
| Push In Jumpers | 2 pole CA801/A2<br>3 pole CA801/A3<br>4 pole CA801/A4<br>10 pole CA801/A10 | 100<br>100<br>100<br>10 | 2 pole CA801/A2<br>3 pole CA801/A3<br>4 pole CA801/A4<br>10 pole CA801/A10 | 100<br>100<br>100<br>10 | 2 pole CA801/A2<br>3 pole CA801/A3<br>4 pole CA801/A4<br>10 pole CA801/A10 | 100<br>100<br>100<br>10 |
| Marking Tag     | MT2G                                                                       | 1 Pk. (100 tags)        | MT2G                                                                       | 1 Pk. (100 tags)        | MT2G                                                                       | 1 Pk. (100 tags)        |

# ANGULAR SERIES

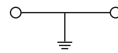
## SPRING TERMINAL BLOCKS

## GROUND / EARTH ANGULAR SPRING CLAMP

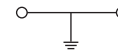
**AGT2.5**



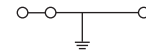
**AGT4**



**AGT6**



**AGT2.5/3**



### Dimensions & Weight

|                                                    | 2 Connection Ground Terminal Feed-Through | 2 Connection Ground Terminal Feed-Through | 2 Connection Ground Terminal Feed-Through | 3 Connection Ground Terminal Feed-Through |
|----------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| <b>Width</b>                                       | <b>5 mm</b>                               | <b>6 mm</b>                               | <b>8 mm</b>                               | <b>5 mm</b>                               |
| <b>Length</b>                                      | 54 mm                                     | 61.5 mm                                   | 74 mm                                     | 54 mm                                     |
| <b>Height w DIN Rail</b> 35 x 7.5 mm<br>35 x 15 mm | 49.5 mm<br>57 mm                          | 49.5 mm<br>57 mm                          | 55.5 mm<br>63 mm                          | 49.5 mm<br>57 mm                          |
| <b>Weight per piece</b>                            | 13.5 g                                    | 12.0 g                                    | 19.0 g                                    | 14.5 g                                    |

### Technical Data/Ratings

| Approvals                           |                  |                          |                  |                       |                  |                       |                  |                          |
|-------------------------------------|------------------|--------------------------|------------------|-----------------------|------------------|-----------------------|------------------|--------------------------|
| <b>Wire Size (solid / stranded)</b> | <b>22-12 AWG</b> | 0.34-2.5 mm <sup>2</sup> | <b>22-10 AWG</b> | 0.2-4 mm <sup>2</sup> | <b>22-10 AWG</b> | 0.2-6 mm <sup>2</sup> | <b>22-12 AWG</b> | 0.34-2.5 mm <sup>2</sup> |
| <b>Voltage Rating</b>               | 600 V            | 800V AC/DC               | 600 V            | 800V AC/DC            | 600 V            | 800V AC/DC            | 600 V            | 800V AC/DC               |
| <b>Current Rating</b>               | -                | -                        | -                | -                     | -                | -                     | -                | -                        |
| <b>Insulation Material</b>          | Polyamide 66     |                          | Polyamide 66     |                       | Polyamide 66     |                       | Polyamide 66     |                          |

### Installation Instructions

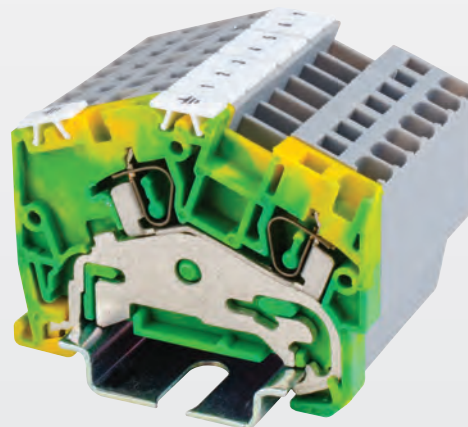
|                              |                      |                        |                      |                      |
|------------------------------|----------------------|------------------------|----------------------|----------------------|
| <b>Wire Stripping Length</b> | 11 mm                | 15 mm                  | 15 mm                | 12 mm                |
| <b>Screwdriver</b>           | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm | Flat Head 0.5 x 3 mm |

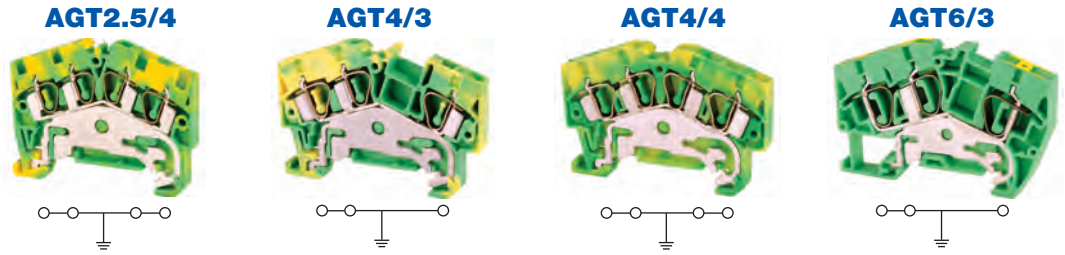
### Terminal Blocks

|                     | Cat. No.      | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.        | Std. Pk. |
|---------------------|---------------|----------|-------------|----------|-------------|----------|-----------------|----------|
| <b>Yellow/Green</b> | <b>AGT2.5</b> | 100      | <b>AGT4</b> | 100      | <b>AGT6</b> | 50       | <b>AGT2.5/3</b> | 100      |

### Accessories

|                    | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         |
|--------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|
| <b>End Plate</b>   | EPAS2.5               | 50               | EPAS4                 | 50               | EPAS6                 | 50               | EPAS2.5               | 50               |
| <b>DIN Rail</b>    | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         |
| <b>Marking Tag</b> | MT5                   | 1 Pk. (100 tags) | MT6                   | 1 Pk. (100 tags) | MT8                   | 1 Pk. (100 tags) | MT5                   | 1 Pk. (100 tags) |





**Dimensions & Weight**

|                   | 4 Connection Ground Terminal Feed-Through | 3 Connection Ground Terminal Feed-Through | 4 Connection Ground Terminal Feed-Through | 3 Connection Ground Terminal Feed-Through |
|-------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Width             | 5 mm                                      | 6 mm                                      | 6 mm                                      | 8 mm                                      |
| Length            | 54 mm                                     | 61.5 mm                                   | 61.5 mm                                   | 74 mm                                     |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm                 | 44.0 mm<br>51.6 mm                        | 44.0 mm<br>51.6 mm                        | 49.3 mm<br>57.0 mm                        |
| Weight per piece  | 15.5 g                                    | 14.5 g                                    | 18.6 g                                    | 22.0 g                                    |

**Technical Data/Ratings**

| Approvals                    |              |                          |              |                       |              |                       |              |                       |
|------------------------------|--------------|--------------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|
| Wire Size (solid / stranded) | 22-12 AWG    | 0.34-2.5 mm <sup>2</sup> | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 22-10 AWG    | 0.2-4 mm <sup>2</sup> | 22-8 AWG     | 0.2-6 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 800V AC/DC               | 600 V        | 800V AC/DC            | 600 V        | 800V AC/DC            | 600 V        | 800V AC/DC            |
| Current Rating               | -            | -                        | -            | -                     | -            | -                     | -            | -                     |
| Insulation Material          | Polyamide 66 |                          | Polyamide 66 |                       | Polyamide 66 |                       | Polyamide 66 |                       |

**Installation Instructions**

|                       |                      |                        |                        |                      |
|-----------------------|----------------------|------------------------|------------------------|----------------------|
| Wire Stripping Length | 12 mm                | 15 mm                  | 15 mm                  | 15 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.8 x 4 mm |

**Terminal Blocks**

|                     | Cat. No.        | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. |
|---------------------|-----------------|----------|---------------|----------|---------------|----------|---------------|----------|
| <b>Yellow/Green</b> | <b>AGT2.5/4</b> | 100      | <b>AGT4/3</b> | 100      | <b>AGT4/4</b> | 50       | <b>AGT6/3</b> | 100      |

**Accessories**

|             | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         | Cat. No.              | Std. Pk.         |
|-------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|
| End Plate   | EPAS2.5               | 50               | EPAS4                 | 50               | EPAS4                 | 50               | EPAS6                 | 50               |
| DIN Rail    | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         | 2511120<br>CA701-15/S | 20<br>20         |
| Marking Tag | MT5                   | 1 Pk. (100 tags) | MT6                   | 1 Pk. (100 tags) | MT6                   | 1 Pk. (100 tags) | MT8                   | 1 Pk. (100 tags) |

### CX SERIES



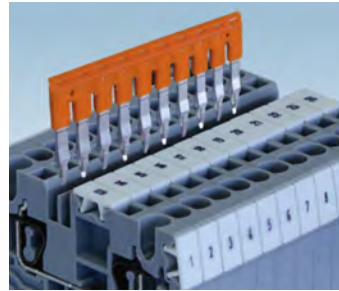
| Terminal Block Series | Poles   | Cat. No. | Std. Pk. |
|-----------------------|---------|----------|----------|
|                       | 2 Pole  | JX2.5/2  | 100      |
| <b>CX2.5 Series</b>   | 3 Pole  | JX2.5/3  | 50       |
| <b>CXG2.5 Series</b>  | 4 Pole  | JX2.5/4  | 50       |
| <b>CXDL2.5</b>        | 5 Pole  | JX2.5/5  | 50       |
| <b>CXK2.5</b>         | 6 Pole  | JX2.5/6  | 10       |
| <b>CXS2.5</b>         | 7 Pole  | JX2.5/7  | 10       |
|                       | 8 Pole  | JX2.5/8  | 10       |
|                       | 10 Pole | JX2.5/10 | 10       |

|                    |         |        |     |
|--------------------|---------|--------|-----|
| <b>CX4 Series</b>  | 2 Pole  | JX4/2  | 100 |
| <b>CXG4 Series</b> | 3 Pole  | JX4/3  | 50  |
| <b>CXF4</b>        | 4 Pole  | JX4/4  | 50  |
| <b>CXCC4</b>       | 8 Pole  | JX4/8  | 10  |
| <b>CXS4</b>        | 10 Pole | JX4/10 | 10  |
|                    | 16 Pole | JX4/16 | 10  |

|                    |         |        |     |
|--------------------|---------|--------|-----|
| <b>CX6 Series</b>  | 2 Pole  | JX6/2  | 100 |
| <b>CXG6 Series</b> | 3 Pole  | JX6/3  | 50  |
| <b>CXDB35/10</b>   | 4 Pole  | JX6/4  | 50  |
|                    | 10 Pole | JX6/10 | 10  |

|                     |        |        |    |
|---------------------|--------|--------|----|
| <b>CX10 Series</b>  | 2 Pole | JX10/2 | 20 |
| <b>CXG10 Series</b> |        |        |    |

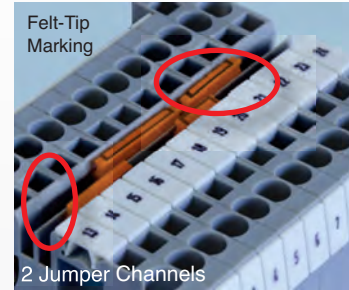
Push-In Technology Multipole Jumpers



Easy Breakout



Felt-Tip Marking



2 Jumper Channels

### ANGULAR SERIES

2 Pole Adjacent Jumper



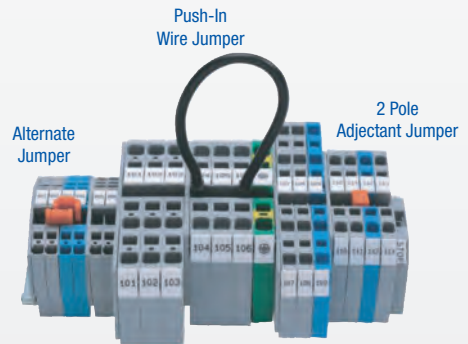
Alternate Jumper



Push-In Wire Jumper



| Terminal Block Series | Cat. No. | Std. Pk. | Cat. No.  | Std. Pk. | Cat. No. | Std. Pk. |
|-----------------------|----------|----------|-----------|----------|----------|----------|
| AS2.5 / ADL2.5 Series | CA801/1  | 100      | CA801/1-3 | 100      | CA901/1  | 100      |
| AS4 Series            | CA801/2  | 100      | CA801/2-3 | 100      | CA901/2  | 100      |
| AS6 Series            | CA801/3  | 100      | CA801/3-3 | 100      | CA901/3  | 100      |



### STEP DOWN JUMPERS

Used for jumpering terminal blocks of different sizes.

#### CX SERIES



| Jumper for    | Cat. No.  | Std. Pk. |
|---------------|-----------|----------|
| CX10 to CX2.5 | JXS10/2.5 | 50       |
| CX6 to CX2.5  | JXS6/2.5  | 50       |
| CX10 to CX4   | JXS10/4   | 50       |
| CX6 to CX4    | JXS6/4    | 50       |

#### ANGULAR SERIES



| Jumper for   | Cat. No. | Std. Pk. |
|--------------|----------|----------|
| AS6 to AS2.5 | CA901/5  | 100      |
| AS6 to AS4   | CA901/4  | 100      |
| AS4 to AS2.5 | CA901/6  | 100      |

### ENDPLATES

#### CX SERIES



| Terminal Block                                     | Cat. No.  | Dimensions          | Std. Pk. |
|----------------------------------------------------|-----------|---------------------|----------|
| <b>CX2.5</b><br><b>CXG2.5</b>                      | EPCX2.5   | 30.5 x 49.7 x 1.5mm | 50       |
| <b>CX4</b><br><b>CXG4</b>                          | EPCX4     | 30.5 x 54.8 x 1.5mm | 50       |
| <b>CX6</b><br><b>CXG6</b>                          | EPCX6     | 35.3 x 62.1 x 1.5mm | 50       |
| <b>CX10</b><br><b>CXG10</b>                        | EPCX10    | 41.6 x 70 x 1.5mm   | 50       |
| <b>CX2.5/3</b><br><b>CXG2.5/3</b><br><b>CXK2.5</b> | EPCX2.5/3 | 30.5 x 62.2 x 1.5mm | 50       |
| <b>CX2.5/4</b><br><b>CXG2.5/4</b>                  | EPCX2.5/4 | 30.5 x 74.7 x 1.5mm | 50       |
| <b>CX4/3</b><br><b>CXG4/3</b><br><b>CXK4</b>       | EPCX4/3   | 30.5 x 70.5 x 1.5mm | 50       |
| <b>CX4/4</b><br><b>CXG4/4</b>                      | EPCX4/4   | 30.5 x 86.2 x 1.5mm | 50       |
| <b>CX6/3</b><br><b>CXG6/3</b>                      | EPCX6/3   | 35.3 x 82.2 x 1.5mm | 50       |
| <b>CX10/3</b><br><b>CXG10/3</b>                    | EPCX10/3  | 41.6 x 95.3 x 1.5mm | 50       |
| <b>CXDL2.5</b><br><b>CXDLG2.5</b>                  | EPCXDL2.5 | 41.8 x 72.7 x 1.5mm | 50       |
| <b>CXS2.5</b>                                      | EPCXS2.5  | 35.6 x 43 x 1.5mm   | 50       |
| <b>CXS4</b>                                        | EPCXS4    |                     | 50       |

#### PARTITION PLATES



#### CX SERIES

| Terminal Block                                             | Cat. No. | Dimensions        | Std. Pk. |
|------------------------------------------------------------|----------|-------------------|----------|
| <b>CX2.5, CXG2.5</b><br><b>CX4, CXG4</b>                   | PPCX4    | 42.4 x 59 x 2mm   | 50       |
| <b>CX2.5/3,</b><br><b>CXG2.5/3</b><br><b>CX4/3, CXK2.5</b> | PPCX4/3  | 42.4 x 74.7 x 2mm | 50       |
| <b>CX2.5/4,</b><br><b>CXG2.5/4</b><br><b>CX4/4, CXK4/4</b> | PPCX4/4  | 42.4 x 95 x 2mm   | 50       |
| <b>CX6, CX10</b>                                           | PPCX6    | 53.5 x 76 x 1mm   | 50       |

#### ANGULAR SERIES



| Terminal Block                                                       | Cat. No.  | Dimensions          | Std. Pk. |
|----------------------------------------------------------------------|-----------|---------------------|----------|
| <b>AS2.5</b><br><b>AS2.5/XX</b><br><b>AGT2.5</b><br><b>AGT2.5/XX</b> | EPAS2.5   | 35 x 54 x 1.5mm     | 50       |
| <b>AS4</b><br><b>AS4/XX</b><br><b>AGT4</b><br><b>AGT4/XX</b>         | EPAS4     | 27.5 x 61 x 1.5mm   | 50       |
| <b>AS6</b><br><b>AS6/XX</b><br><b>AGT6</b><br><b>AGT6/XX</b>         | EPAS6     | 33.5 x 74 x 1.5mm   | 50       |
| <b>ADL2.5</b>                                                        | EPADL2.5  | 43.5 x 80 x 1.5mm   | 50       |
| <b>ADLG2.5</b>                                                       | EPADLG2.5 | 83.7 x 58 x 1.2mm   | 50       |
| <b>ATL2.5</b>                                                        | EPATL2.5  | 100 x 69.7 x 1.2mm  | 50       |
| <b>ATL2.5H</b>                                                       | EPATL2.5H | 77.3 x 69.7 x 1.2mm | 50       |
| <b>ATLG2.5</b>                                                       | EPATLG2.5 | 100 x 68.7 x 1.2mm  | 50       |

#### END STOPS

##### CA103



Screwless  
Snap On

| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA103    | 35 x 41 x 6mm | 50       |

##### CA802



##### CA702



| Cat. No. | Dimensions    | Std. Pk. | Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|----------|---------------|----------|
| CA802    | 32 x 45 x 8mm | 50       | CA702    | 34 x 45 x 9mm | 50       |

#### TEST PLUGS

| Terminal Block                                                           | Cat. No. | Std. Pk. |
|--------------------------------------------------------------------------|----------|----------|
| <b>CX2.5, CXG2.5,</b><br><b>CXDL2.5, CXG4,</b><br><b>CXM2.5, CXMG2.5</b> | TX2.5    | 20       |
| <b>CX4, CXG4,</b><br><b>CX7, CXG6</b>                                    | TX4      | 20       |
| <b>CX6, CXDB</b>                                                         | TX6      | 20       |





## SCREW CLAMP TECHNOLOGY

- Screw clamp & Spring Clamp Technology versions
- Extremely Compact wiring solution
- 15mm Mini Rail Terminals
- Modular easy snap together Panel Mount Terminals
- High Temperature Ceramic Solution
- Reliable Gas-tight connection



## MATERIAL SPECIFICATIONS

### Current Carrying Metal



**Screw Terminals**  
*Corrosion free material*

- Clamp: Zinc Plated Steel
- Screw: Steel
- Current Bar: Brass/  
Tin Plated Copper



**Spring Terminals**  
*Corrosion free material*

- Spring: Stainless Steel
- Current Bar: Copper Alloy

### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

### Polyamide 66 Specifications

- Upper Temperature Limit: 105°C
- Lower Temperature Limit: -50°C
- Flammability UL94: V2/ V0
- Volume Resistivity:  $10^{12} \Omega \text{ cm}$
- Surface Resistivity:  $10^{10} \Omega$

## SELECTION GUIDE

### Screw Terminal Blocks

- Extremely Compact size
- Various mounting options
  - 15mm Mini Rail
  - Panel Mount
- Modular system
- Jumper Accessories
- Screw Clamp Technology



**15mm Mini Rail  
CMT4**  
page 89



**Panel Mount  
CMB4**  
page 90

### Spring Clamp Terminal Blocks

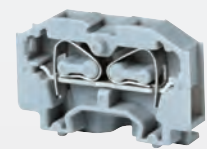
- Extremely Compact size
- Various mounting options
  - 15mm Mini Rail
  - Panel Mount
- Modular Snap together Systems
- Spring Clamp Technology



**15mm Mini Rail  
CXM2.5**  
page 91



**Panel/DIN Rail  
CSCP Series**  
page 92



**Panel Mount  
CM Series**  
page 93

### High Temperature Ceramic Terminal Blocks

- High Temperatures up to 600°C
- Ceramic Material
- 3 sizes
- Up to 65A/ 300V
- Free floating or mounting hole option



**High Temperature  
CB Series**  
page 94



**Dimensions & Weight**

|                          | CMT4                                                | CGMT4                                                  | CF4U                    |
|--------------------------|-----------------------------------------------------|--------------------------------------------------------|-------------------------|
|                          | 2 Connection Feed-Through Internal Jumper Provision | 2 Connection Ground Terminal Internal Jumper Provision | 5 x 20 mm Fuse Terminal |
| <b>Width</b>             | <b>6 mm</b>                                         | <b>6 mm</b>                                            | <b>8 mm</b>             |
| Length                   | 27 mm                                               | 27 mm                                                  | 57.0 mm                 |
| Height w DIN15 Rail 15mm | 30.4 mm                                             | 30.7 mm                                                | 50.3 mm   57.6 mm       |
| Weight per piece         | 5.5 g                                               | 9.5 g                                                  | 14.8 g                  |

**Technical Data/Ratings**

| Approvals                    | <br>E220514 C-SP US 60947-7-1          |  | <br>E220514 60947-7-1                  |  | <br>E220514 C-SP US 60947-7-3          |             |
|------------------------------|----------------------------------------|--|----------------------------------------|--|----------------------------------------|-------------|
| Wire Size (solid / stranded) | <b>22-10 AWG</b> 0.2-4 mm <sup>2</sup> |  | <b>22-10 AWG</b> 0.2-4 mm <sup>2</sup> |  | <b>22-10 AWG</b> 0.2-4 mm <sup>2</sup> |             |
| Voltage Rating               | 300 V 500 V AC/DC                      |  | 300 V 500 V AC/DC                      |  | 600 V                                  | 800 V AC/DC |
| Current Rating               | 35 A 32 A                              |  | -                                      |  | 10 A                                   | 6.3 A       |
| Torque                       | 7 lb-in 0.5 Nm                         |  | 7 lb-in 0.8 Nm                         |  | 7 lb-in                                | 0.5 Nm      |
| Insulation Material          | Polyamide 66                           |  | Polyamide 66                           |  | Polyamide 66                           |             |

**Installation Instructions**

| Wire Stripping Length | 8 mm                   | 8 mm                   | 9.5 mm                 |
|-----------------------|------------------------|------------------------|------------------------|
| Screwdriver           | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

|                        | Cat. No.    | Std. Pk. | Cat. No.     | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------------|-------------|----------|--------------|----------|-------------|----------|
| <b>Grey (standard)</b> | <b>CMT4</b> | 100      | <b>CGMT4</b> | 100      | <b>CF4U</b> | 50       |
| Red R                  | CMT4/R      | 100      | Yellow/Green |          | CF4U/BU     | 50       |
| Blue BU                | CMT4/BU     | 100      |              |          | CF4U/BL     | 50       |
| Black BL               | CMT4/BL     | 100      |              |          |             |          |
| Orange O               | CMT4/O      | 100      |              |          |             |          |
| Green G                | CMT4/G      | 100      |              |          |             |          |
| Yellow Y               | CMT4/Y      | 100      |              |          |             |          |
| White W                | CMT4/W      | 100      |              |          |             |          |

**Accessories**

|                           | Cat. No.       | Std. Pk.         | Cat. No.    | Std. Pk.         | Cat. No. | Std. Pk.         |
|---------------------------|----------------|------------------|-------------|------------------|----------|------------------|
| End Plate                 | EPCMT4         | 50               | -           | -                | -        | -                |
| Isolation Partition       | PPCMT4         | 50               | -           | -                | -        | -                |
| DIN Rail                  | CA601/S        | 50               | CA601/S     | 50               | CA601/S  | 50               |
| End Clamp                 | CA602          | 100              | CA602       | 100              | -        | -                |
| Internal Jumper           | 2 pole CA727/2 | 100              | -           | -                | -        | -                |
| 3 pole CA727/3            | 100            | -                | -           | -                | -        | -                |
| 4 pole CA727/4            | 100            | -                | -           | -                | -        | -                |
| 10 pole CA727/10          | 10             | -                | -           | -                | -        | -                |
| Insulated Internal Jumper | 2 pole CA747/2 | 100              | -           | -                | -        | -                |
| 3 pole CA747/3            | 100            | -                | -           | -                | -        | -                |
| 4 pole CA747/4            | 100            | -                | -           | -                | -        | -                |
| 10 pole CA747/10          | 10             | -                | -           | -                | -        | -                |
| External Jumper           | 2 pole CA714/2 | 100              | CA714/2     | 100              | CA711/2  | 100              |
| 3 pole CA714/3            | 100            | CA714/3          | 100         | CA711/3          | 50       |                  |
| 4 pole CA714/4            | 100            | CA714/4          | 100         | CA711/4          | 50       |                  |
| 10 pole CA714/10          | 20             | CA714/10         | 20          | CA711/10         | 20       |                  |
| Test Socket               | CA707/TS/03    | 100              | CA707/TS/03 | -                | -        | -                |
| Marking Tag               | MT2            | 1 Pk. (100 tags) | MT2         | 1 Pk. (100 tags) | MT8      | 1 Pk. (100 tags) |
|                           |                |                  |             |                  | MT6      | 1 Pk. (100 tags) |

**HIGHLIGHTS**

**FEATURES**

- Extremely Compact Size
- Screw Cage Clamp
- Mountable on DIN15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Internal Jumper possibility
- EX / IECEx approved

**APPLICATIONS**

- Limited Space Panels
- High Density Wiring Solutions

# PANEL MOUNT CMB SERIES

MINI / PANEL MOUNT TERMINALS

## PANEL MOUNT SCREW TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any length M3 screw
- End / Mounting Section with M3 mounting holes
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and installation
- Endplates with mounting holes
- Internal Jumper possibility
- EX / IECEx approved
- Pre-assembled Blocks available in all pole configurations and various colors

#### APPLICATIONS

- Cost Effective Wiring Solutions
- Compact Wiring Solutions
- Panel Mount Designs
- High Density Wiring

### CMB4



2 Connection Feed Through

#### Dimensions & Weight

|                  |       |
|------------------|-------|
| Width            | 6 mm  |
| Length           | 27 mm |
| Height           | 28 mm |
| Weight per piece | 5.5 g |

#### Technical Data/Ratings

|                              |                                 |
|------------------------------|---------------------------------|
| Approvals                    |                                 |
| Wire Size (solid / stranded) | 22-10 AWG 0.2-4 mm <sup>2</sup> |
| Voltage Rating               | 300 V 500 V AC/DC               |
| Current Rating               | 35 A 32 A                       |
| Torque                       | 7 lb-in 0.5 Nm                  |
| Insulation Material          | Polyamide 66                    |

#### Installation Instructions

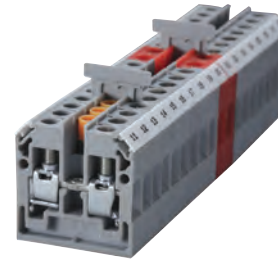
|                       |                                 |
|-----------------------|---------------------------------|
| Wire Stripping Length | 8 mm                            |
| Screwdriver           | Flat Head 0.6 x 3.5mm           |
| Mounting Screw        | Any length M3 screw may be used |

#### Terminal Blocks

|                        | Cat. No.    | Std. Pk. |
|------------------------|-------------|----------|
| <b>Grey (standard)</b> | <b>CMB4</b> | 100      |
| Red R                  | CMB4/R      | 100      |
| Blue BU                | CMB4/BU     | 100      |
| Black BL               | CMB4/BL     | 100      |
| Orange O               | CMB4/O      | 100      |
| Green G                | CMB4/G      | 100      |
| Yellow Y               | CMB4/Y      | 100      |
| White W                | CMB4/W      | 100      |

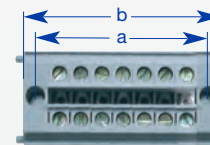
#### Accessories

|                           | Cat. No.         | Std. Pk.         |
|---------------------------|------------------|------------------|
| End / Mounting Section    | EPCMB4           | 50               |
| Separator Plate           | SPCMB4           | 50               |
| Internal Jumper           | 2 pole CA727/2   | 100              |
|                           | 3 pole CA727/3   | 100              |
|                           | 4 pole CA727/4   | 100              |
|                           | 10 pole CA727/10 | 10               |
| Insulated Internal Jumper | 2 pole CA747/2   | 100              |
|                           | 3 pole CA747/3   | 100              |
|                           | 4 pole CA747/4   | 100              |
|                           | 10 pole CA747/10 | 10               |
| External Jumper           | 2 pole CA714/2   | 100              |
|                           | 3 pole CA714/3   | 100              |
|                           | 4 pole CA714/4   | 100              |
|                           | 10 pole CA714/10 | 20               |
| Test Socket               | CA707/TS/O1      | 100              |
| Marking Tag               | MT2              | 1 Pk. (100 tags) |

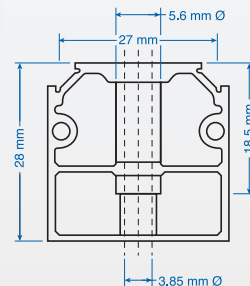


#### Pre-assembled Terminal Blocks

| No. of Poles | Cat. No | Total Width (a) | Hole Spacing (b) |
|--------------|---------|-----------------|------------------|
| 2            | CMB4/2  | 26 mm (1.02")   | 19 mm (0.75")    |
| 3            | CMB4/3  | 32 mm (1.26")   | 25 mm (0.98")    |
| 4            | CMB4/4  | 38 mm (1.50")   | 31 mm (1.22")    |
| 5            | CMB4/5  | 44 mm (1.73")   | 37 mm (1.46")    |
| 6            | CMB4/6  | 50 mm (1.97")   | 43 mm (1.69")    |
| 7            | CMB4/7  | 56 mm (2.20")   | 49 mm (1.93")    |
| 8            | CMB4/8  | 62 mm (2.44")   | 55 mm (2.17")    |
| 9            | CMB4/9  | 68 mm (2.68")   | 61 mm (2.40")    |
| 10           | CMB4/10 | 74 mm (2.91")   | 67 mm (2.64")    |
| 11           | CMB4/11 | 80 mm (3.15")   | 73 mm (2.87")    |
| 12           | CMB4/12 | 86 mm (3.39")   | 79 mm (3.11")    |
| 13           | CMB4/13 | 92 mm (3.62")   | 85 mm (3.35")    |
| 14           | CMB4/14 | 98 mm (3.86")   | 91 mm (3.58")    |
| 15           | CMB4/15 | 104 mm (4.09")  | 97 mm (3.82")    |
| 16           | CMB4/16 | 110 mm (4.33")  | 103 mm (4.06")   |
| 17           | CMB4/17 | 116 mm (4.57")  | 109 mm (4.29")   |
| 18           | CMB4/18 | 122 mm (4.80")  | 115 mm (4.53")   |
| 19           | CMB4/19 | 128 mm (5.04")  | 121 mm (4.76")   |
| 20           | CMB4/20 | 134 mm (5.28")  | 127 mm (5.00")   |
| 21           | CMB4/21 | 140 mm (5.51")  | 133 mm (5.24")   |
| 22           | CMB4/22 | 146 mm (5.75")  | 139 mm (5.47")   |
| 23           | CMB4/23 | 152 mm (5.98")  | 145 mm (5.71")   |
| 24           | CMB4/24 | 158 mm (6.22")  | 151 mm (5.94")   |



Dimensions CMB4

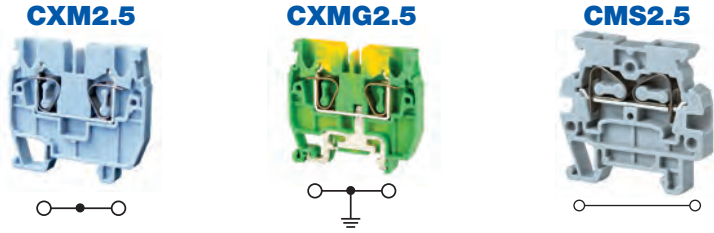


Mounting Section Dimensions EPCMB4

4 Pole Internal Jumper CA727/4

CMB4 Terminal Block

End / Mounting Section EPCMB4



**HIGHLIGHTS**

**FEATURES**

- Extremely Compact Size
- Spring Clamp Style
- Mountable on DIN 15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Side Entry Feed Through
- 2, 3, 4, 5, 6, 7, 10 pole Push-In Jumpers
- EX / IECEx approved

**APPLICATIONS**

- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

**Dimensions & Weight**

|                   | CXM2.5      | CXMG2.5 | CMS2.5   |
|-------------------|-------------|---------|----------|
| Width             | 5 mm        | 5 mm    | 5 mm     |
| Length            | 37 mm       | 37 mm   | 31 mm    |
| Height w DIN Rail | 15 x 5.5 mm | 35 mm   | 30.15 mm |
| Weight per piece  | 5.9 g       | 10.3 g  | 5.9 g    |

**Technical Data/Ratings**

| Approvals                    |              |                         |              |                         |              |                         |
|------------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
| Wire Size (solid / stranded) | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> | 24-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC             | 600 V        | 1000V AC/DC             | 300 V        | 800V AC/DC              |
| Current Rating               | 20 A         | 24 A                    | -            | -                       | 20 A         | 24 A                    |
| Insulation Material          | Polyamide 66 |                         | Polyamide 66 |                         | Polyamide 66 |                         |

**Installation Instructions**

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length | 10 mm                | 10 mm                | 9 mm                 |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm |

**Terminal Blocks**

|                        | Cat. No.      | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.      | Std. Pk. |
|------------------------|---------------|----------|----------------|----------|---------------|----------|
| <b>Grey (standard)</b> | <b>CXM2.5</b> | 100      | <b>CXMG2.5</b> | 100      | <b>CMS2.5</b> | 100      |
| Red R                  | CXM2.5/R      | 100      | Yellow/Green   |          | CMS2.5/R      | 100      |
| Blue BU                | CXM2.5/BU     | 100      |                |          | CMS2.5/BU     | 100      |
| Black BL               | CXM2.5/BL     | 100      |                |          | CMS2.5/BL     | 100      |
| Orange O               | CXM2.5/O      | 100      |                |          | CMS2.5/O      | 100      |
| Green G                | CXM2.5/G      | 100      |                |          | CMS2.5/G      | 100      |
| Yellow Y               | CXM2.5/Y      | 100      |                |          | CMS2.5/Y      | 100      |
| White W                | CXM2.5/W      | 100      |                |          | CMS2.5/W      | 100      |

**Accessories**

|                       | Cat. No.       | Std. Pk.         | Cat. No.       | Std. Pk.         | Cat. No. | Std. Pk.         |
|-----------------------|----------------|------------------|----------------|------------------|----------|------------------|
| End Plate             | EPCXM2.5       | 50               | EPCXM2.5       | 50               | EPCMS2.5 | 50               |
| DIN Rail              | CA601/S        | 50               | CA601/S        | 50               | CA601/S  | 50               |
| End Clamp             | CA602          | 100              | CA602          | 100              | CA602    | 100              |
| Jumper                | 2 pole JX2.5/2 | 100              | 2 pole JX2.5/2 | 100              | -        | -                |
| 3 pole JX2.5/3        | 50             | 3 pole JX2.5/3   | 50             | -                | -        |                  |
| 4 pole JX2.5/4        | 50             | 4 pole JX2.5/4   | 50             | -                | -        |                  |
| 5 pole JX2.5/5        | 50             | 5 pole JX2.5/5   | 50             | -                | -        |                  |
| 6 pole JX2.5/6        | 10             | 6 pole JX2.5/6   | 10             | -                | -        |                  |
| 7 pole JX2.5/7        | 10             | 7 pole JX2.5/7   | 10             | -                | -        |                  |
| 8 pole JX2.5/8        | 10             | 8 pole JX2.5/8   | 10             | -                | -        |                  |
| 10 pole JX2.5/10      | 10             | 10 pole JX2.5/10 | 10             | -                | -        |                  |
| Spring Clamp Actuator | SCA2-5         | 1                | SCA2-5         | 1                | -        | -                |
| Marking Tag           | MT5            | 1 Pk. (100 tags) | MT5            | 1 Pk. (100 tags) | MT5      | 1 Pk. (100 tags) |

Operating Tool  
for use with  
CXM2.5



# PANEL MOUNT CSCP SERIES

MINI / PANEL MOUNT TERMINALS

## PANEL MOUNT SPRING TERMINAL BLOCKS

### HIGHLIGHTS

#### FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any screw
- Endplates with screw flange
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and easy installation
- External Jumper possibility
- EX / IECEx approved
- Custom assemblies available in all pole configurations and various colors

#### APPLICATIONS

- Cost Effective Panel Mount Designs
- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

Operating Tool  
for use with  
CSCP2.5T2



Custom  
Assembly  
Example



#### CSCP2.5T



2 Connection Spring Terminal  
Panel Mount

#### Dimensions & Weight

|                   |                           |
|-------------------|---------------------------|
| Width             | 5 mm                      |
| Length            | 35 mm                     |
| Height w DIN Rail | 35 x 7.5 mm<br>35 x 15 mm |
| Weight per piece  | 5.0 g                     |

#### Technical Data/Ratings

|                              |              |                         |
|------------------------------|--------------|-------------------------|
| Approvals                    |              |                         |
| Wire Size (solid / stranded) | 22-14 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 800 V AC/DC             |
| Current Rating               | 20 A         | 24 A                    |
| Insulation Material          | Polyamide 66 |                         |

#### Installation Instructions

|                       |                                 |
|-----------------------|---------------------------------|
| Wire Stripping Length | 11 mm                           |
| Screwdriver           | Flat Head 0.5 x 3 mm            |
| Mounting Screw        | Any length M3 screw may be used |

#### Terminal Blocks

|                        | Cat. No.        | Std. Pk. |
|------------------------|-----------------|----------|
| <b>Grey (standard)</b> | <b>CSCP2.5T</b> | 100      |
| Red R                  | CSCP2.5T/R      | 100      |
| Blue BU                | CSCP2.5T/BU     | 100      |
| Black BL               | CSCP2.5T/BL     | 100      |
| Orange O               | CSCP2.5T/O      | 100      |
| Green G                | CSCP2.5T/G      | 100      |
| Yellow Y               | CSCP2.5T/Y      | 100      |
| White W                | CSCP2.5T/W      | 100      |

#### CSCP2.5T2



4 Connection Spring Terminal  
Panel Mount

|                   |                       |
|-------------------|-----------------------|
| Width             | 10 mm                 |
| Length            | 35 mm                 |
| Height w DIN Rail | 21.3 mm (Panel Mount) |
| Weight per piece  | 9.5 g                 |

|                              |              |                         |
|------------------------------|--------------|-------------------------|
| Approvals                    |              |                         |
| Wire Size (solid / stranded) | 22-14 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 800 V AC/DC             |
| Current Rating               | 20 A         | 24 A                    |
| Insulation Material          | Polyamide 66 |                         |

|                       |                                 |
|-----------------------|---------------------------------|
| Wire Stripping Length | 11 mm                           |
| Screwdriver           | Flat Head 0.5 x 3 mm            |
| Mounting Screw        | Any length M3 screw may be used |

#### Terminal Blocks

|                  | Cat. No.         | Std. Pk. |
|------------------|------------------|----------|
| <b>CSCP2.5T2</b> | <b>CSCP2.5T2</b> | 100      |
| CSCP2.5T2/R      | CSCP2.5T2/R      | 100      |
| CSCP2.5T2/BU     | CSCP2.5T2/BU     | 100      |
| CSCP2.5T2/BL     | CSCP2.5T2/BL     | 100      |
| CSCP2.5T2/O      | CSCP2.5T2/O      | 100      |
| CSCP2.5T2/G      | CSCP2.5T2/G      | 100      |
| CSCP2.5T2/Y      | CSCP2.5T2/Y      | 100      |
| CSCP2.5T2/W      | CSCP2.5T2/W      | 100      |

#### CXCP2.5/4



4 Connection Spring Terminal  
DIN Rail Mount

|                   |                  |
|-------------------|------------------|
| Width             | 10 mm            |
| Length            | 35 mm            |
| Height w DIN Rail | 34.5 mm<br>42 mm |
| Weight per piece  | 9.5 g            |

|                              |              |                         |
|------------------------------|--------------|-------------------------|
| Approvals                    |              |                         |
| Wire Size (solid / stranded) | 22-12 AWG    | 0.2-2.5 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 800 V AC/DC             |
| Current Rating               | 20 A         | 24 A                    |
| Insulation Material          | Polyamide 66 |                         |

|                       |                      |
|-----------------------|----------------------|
| Wire Stripping Length | 10 mm                |
| Screwdriver           | Flat Head 0.5 x 3 mm |
| Mounting Screw        | -                    |

#### Terminal Blocks

|                  | Cat. No.         | Std. Pk. |
|------------------|------------------|----------|
| <b>CXCP2.5/4</b> | <b>CXCP2.5/4</b> | 100      |
| CXCP2.5/4/R      | CXCP2.5/4/R      | 100      |
| CXCP2.5/4/BU     | CXCP2.5/4/BU     | 100      |
| CXCP2.5/4/BL     | CXCP2.5/4/BL     | 100      |
| CXCP2.5/4/O      | CXCP2.5/4/O      | 100      |
| CXCP2.5/4/G      | CXCP2.5/4/G      | 100      |
| CXCP2.5/4/Y      | CXCP2.5/4/Y      | 100      |
| CXCP2.5/4/W      | CXCP2.5/4/W      | 100      |

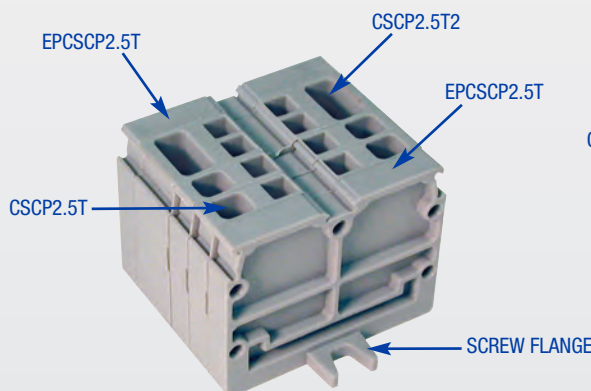
#### Accessories

|                            | Cat. No.   | Std. Pk.         |
|----------------------------|------------|------------------|
| End Section                | EPCSCP2.5T | 25               |
| Insulated Jumpers (2 pole) | CA803/1    | 100              |
| Marking Tag                | MT4        | 1 Pk. (100 tags) |
| Operating Tool             | SCA2-5     | 1                |

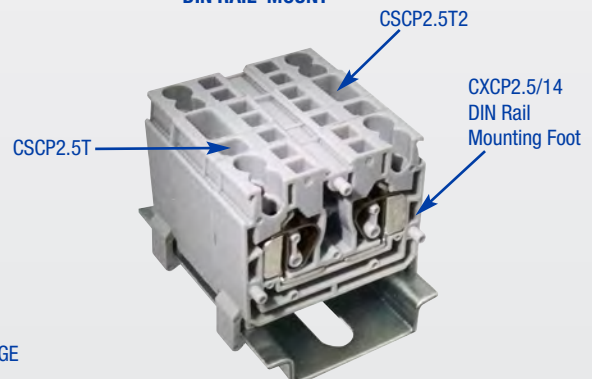
|                            | Cat. No.   | Std. Pk.         |
|----------------------------|------------|------------------|
| End Section                | EPCSCP2.5T | 25               |
| Insulated Jumpers (2 pole) | CA803/1    | 100              |
| Marking Tag                | MT3        | 1 Pk. (100 tags) |
| Operating Tool             | SCA2-5     | 1                |

|                            | Cat. No.   | Std. Pk.         |
|----------------------------|------------|------------------|
| End Section                | EPCSCP2.5T | 25               |
| Insulated Jumpers (2 pole) | CA803/1    | 100              |
| Marking Tag                | MT3        | 1 Pk. (100 tags) |
| Operating Tool             | SCA2-5     | 1                |

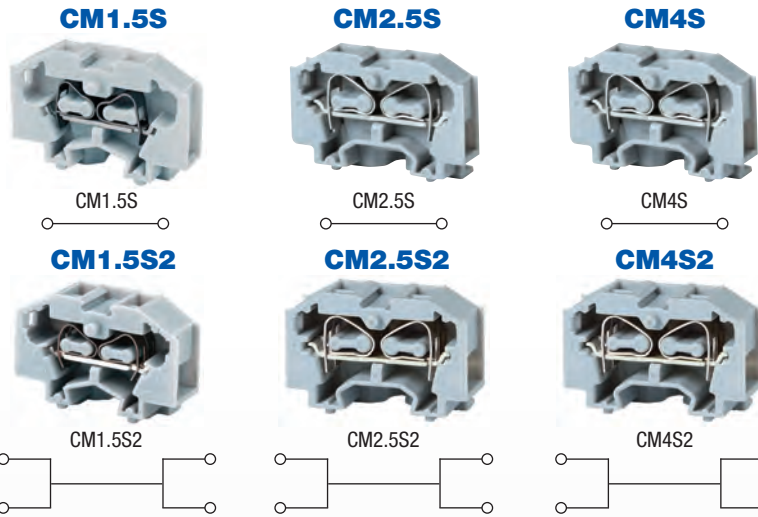
#### PANEL MOUNT



#### DIN RAIL MOUNT







**Dimensions**

|                      |              |             |              |              |
|----------------------|--------------|-------------|--------------|--------------|
| Width                | 2 Connection | <b>5 mm</b> | <b>6 mm</b>  | <b>7 mm</b>  |
|                      | 4 Connection | <b>8 mm</b> | <b>10 mm</b> | <b>12 mm</b> |
| Length               |              | 26.5 mm     | 30.0 mm      | 33.7 mm      |
| Height (Panel Mount) |              | 18.0 mm     | 20.0 mm      | 23.0mm       |
| Weight per piece     |              | 1.8 / 3.8 g | 3.2 / 5.2 g  | g            |

**Technical Data/Ratings**

|                              |                                          |  |                                          |  |                                        |  |
|------------------------------|------------------------------------------|--|------------------------------------------|--|----------------------------------------|--|
| Approvals                    |                                          |  |                                          |  |                                        |  |
| Wire Size (solid / stranded) | <b>24-16 AWG</b> 0.2-1.5 mm <sup>2</sup> |  | <b>22-12 AWG</b> 0.2-2.5 mm <sup>2</sup> |  | <b>22-14 AWG</b> 0.2-4 mm <sup>2</sup> |  |
| Voltage Rating               | 300 V 500V AC/DC                         |  | 300 V 500V AC/DC                         |  | 300 V 630V AC/DC                       |  |
| Current Rating               | 10 A 17 A                                |  | 20 A 24 A                                |  | 26 A 32 A                              |  |
| Insulation Material          | Polyamide 66                             |  |                                          |  |                                        |  |

**Installation Instructions**

|                       |                      |                      |                        |
|-----------------------|----------------------|----------------------|------------------------|
| Wire Stripping Length | 8 mm                 | 9 mm                 | 8 mm                   |
| Screwdriver           | Flat Head 0.5 x 3 mm | Flat Head 0.5 x 3 mm | Flat Head 0.6 x 3.5 mm |

**Terminal Blocks**

**2 Connections**

|                        | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------------|---------------|----------|---------------|----------|-------------|----------|
| <b>Grey (standard)</b> | <b>CM1.5S</b> | 100      | <b>CM2.5S</b> | 100      | <b>CM4S</b> | 100      |
| Red R                  | CM1.5S/R      | 100      | CM2.5S/R      | 100      | CM4S/R      | 100      |
| Blue BU                | CM1.5S/BU     | 100      | CM2.5S/BU     | 100      | CM4S/BU     | 100      |
| Black BL               | CM1.5S/BL     | 100      | CM2.5S/BL     | 100      | CM4S/BL     | 100      |
| Orange O               | CM1.5S/O      | 100      | CM2.5S/O      | 100      | CM4S/O      | 100      |
| Green G                | CM1.5S/G      | 100      | CM2.5S/G      | 100      | CM4S/G      | 100      |
| Yellow Y               | CM1.5S/Y      | 100      | CM2.5S/Y      | 100      | CM4S/Y      | 100      |
| White W                | CM1.5S/W      | 100      | CM2.5S/W      | 100      | CM4S/W      | 100      |

**4 Connections**

|                        | Cat. No.       | Std. Pk. | Cat. No.       | Std. Pk. | Cat. No.     | Std. Pk. |
|------------------------|----------------|----------|----------------|----------|--------------|----------|
| <b>Grey (standard)</b> | <b>CM1.5S2</b> | 100      | <b>CM2.5S2</b> | 100      | <b>CM4S2</b> | 100      |
| Red R                  | CM1.5S2/R      | 100      | CM2.5S2/R      | 100      | CM4S2/R      | 100      |
| Blue BU                | CM1.5S2/BU     | 100      | CM2.5S2/BU     | 100      | CM4S2/BU     | 100      |
| Black BL               | CM1.5S2/BL     | 100      | CM2.5S2/BL     | 100      | CM4S2/BL     | 100      |
| Orange O               | CM1.5S2/O      | 100      | CM2.5S2/O      | 100      | CM4S2/O      | 100      |
| Green G                | CM1.5S2/G      | 100      | CM2.5S2/G      | 100      | CM4S2/G      | 100      |
| Yellow Y               | CM1.5S2/Y      | 100      | CM2.5S2/Y      | 100      | CM4S2/Y      | 100      |
| White W                | CM1.5S2/W      | 100      | CM2.5S2/W      | 100      | CM4S2/W      | 100      |

**Accessories**

|                       | Cat. No.     | Std. Pk.               | Cat. No.     | Std. Pk.               | Cat. No.     | Std. Pk.              |
|-----------------------|--------------|------------------------|--------------|------------------------|--------------|-----------------------|
| End Plate             | EPCM1.5S     | 50                     | EPCM2.5S     | 50                     | EPCM4S       | 50                    |
| Spring Clamp Actuator | SCA2-5       | 1                      | SCA2-5       | 1                      | SCA2-5       | 1                     |
| Marking Tag           | 2 Connection | MT4 1 Pk. (100 tags)   | 2 Connection | MT2 1 Pk. (100 tags)   | 4 Connection | MT6 1 Pk. (100 tags)  |
|                       | 4 Connection | MT7.5 1 Pk. (100 tags) | 4 Connection | MT7.5 1 Pk. (100 tags) | 4 Connection | MT12 1 Pk. (100 tags) |

**HIGHLIGHTS**

**FEATURES**

- Extremely Compact Size
- Spring Clamp Style
- End Sections with screw flanges
- 3 wire sizes
- 2, 4 connection terminals
- All colors

**APPLICATIONS**

- Transformer Terminal Blocks
- Very Limited Space Applications
- Machine Control Panels



### HIGHLIGHTS

#### FEATURES

- Suitable for High Temperatures up to 600°C (1112°F)
- Temperature Rating -40°C - 600°C
- 3 Sizes
- 1, 2, 3, 4 Pole configurations
- Free floating or Panel Mount
- Up to 65A
- Material:
  - Housing: Steatite
  - Clamp: Brass
  - Screws: Zinc Plated Steel

#### APPLICATIONS

- High Temperature Environments
- Furnaces
- Heaters
- Process Equipment
- Machinery

### CB4



### CB6



### CB16



#### Technical Data/Ratings

| Approvals                    |           |           |                        |           |           |                      |          |          |                        |
|------------------------------|-----------|-----------|------------------------|-----------|-----------|----------------------|----------|----------|------------------------|
| Wire Size (solid / stranded) | 24-12 AWG | 24-12 AWG | 0.5-2.5mm <sup>2</sup> | 22-10 AWG | 22-10 AWG | 0.5-4mm <sup>2</sup> | 18-6 AWG | 20-6 AWG | 0.5-2.5mm <sup>2</sup> |
| Voltage Rating               | 300 V     | 300 V     | 800 VAC/DC             | 300 V     | 300 V     | 800 VAC/DC           | 300 V    | 300 V    | 800 VAC/DC             |
| Current Rating               | 20 A      | 30 A      | 24 A                   | 30 A      | 40 A      | 32 A                 | 65 A     | 76 A     | 57 A                   |
| Torque                       | 6 lb-in   | 6 lb-in   | 0.4Nm                  | 6 lb-in   | 6 lb-in   | 0.5Nm                | 12 lb-in | 12 lb-in | 1.2Nm                  |
| Insulation Material          | Ceramic   |           |                        | Ceramic   |           |                      | Ceramic  |          |                        |

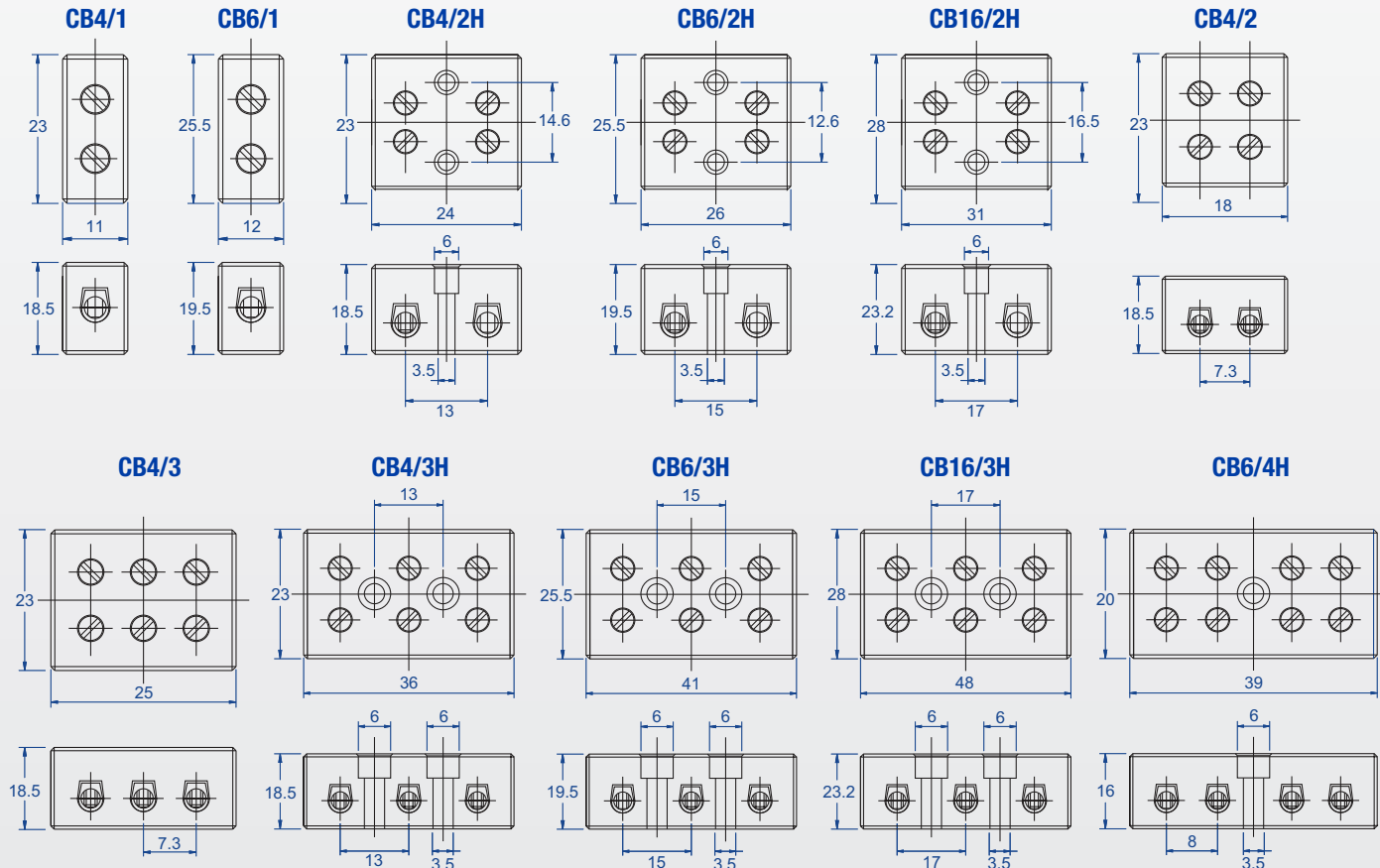
#### Installation Instructions

|                            |                      |                      |                      |
|----------------------------|----------------------|----------------------|----------------------|
| Wire Stripping Length      | 8 mm                 | 8 mm                 | 8 mm                 |
| Screwdriver                | Flat Head 0.5 x 3 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |
| Mounting Hole Size         | 3.5 mm               | 3.5 mm               | 3.5 mm               |
| Recommended Mounting Screw | M3 x 16              | M3 x 16              | M3 x 20              |

#### Terminal Blocks

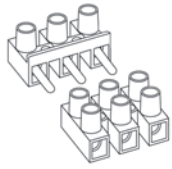
|        |                     | Cat. No. | Std. Pk. | Weight | Cat. No. | Std. Pk. | Weight | Cat. No. | Std. Pk. | Weight |
|--------|---------------------|----------|----------|--------|----------|----------|--------|----------|----------|--------|
| 1 pole | free floating       | CB4/1    | 50       | 11.7 g | CB6/1    | 50       | 13.5 g | -        | -        | -      |
|        | with mounting holes | CB4/2H   | 50       | 26.1 g | CB6/2H   | 50       | 27.3 g | CB16/2H  | 50       | 47.2 g |
| 2 pole | free floating       | CB4/2    | 50       | 18.0 g | -        | -        | -      | -        | -        | -      |
|        | with mounting holes | CB4/3H   | 50       | 30.1 g | CB6/3H   | 50       | 42.5 g | CB16/3H  | 50       | 44.6 g |
| 3 pole | free floating       | CB4/3    | 50       | 30.1 g | -        | -        | -      | -        | -        | -      |
|        | with mounting holes | CB4/3H   | 50       | 42.3 g | CB6/4H   | 50       | 29.1 g | -        | -        | -      |
| 4 pole | free floating       | -        | -        | -      | -        | -        | -      | -        | -        | -      |
|        | with mounting holes | -        | -        | -      | -        | -        | -      | -        | -        | -      |

### Dimensions (All dimensions are shown in mm, to convert to inches please divide by 25.4)



### OVERVIEW

#### SCREW CLAMP CONNECTION TECHNOLOGY



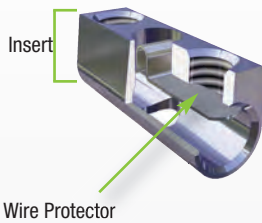
- Quick and Efficient Wire-to-Wire connection solution
- Modern Replacement for traditional Double-Row Barrier Style Terminal Blocks
- Touch-proof design to eliminate shorts
- Available in 12 poles or precut to required number of poles
- Easy to cut to length by using hacksaw or utility knife
- Safe, Gas-tight connection
- Reliable connection utilizing a precision machined tubular screw clamp insert
- Accessories for convenient wire installation and usage



### SELECTION GUIDE

#### HE SERIES with wire protector

##### MATERIAL SPECIFICATIONS



##### Current Carrying Metal

*Corrosion free material*

- Insert: Tinned Brass
- Screw: Blue chromated steel
- Wire protector: Stainless Steel

##### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

##### Polyamide 66 Specifications

- Upper Temperature Limit: 125°C
- Lower Temperature Limit: -30°C
- Flammability UL94: V0

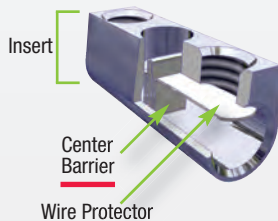
**HE Series Flat Base 300V**  
page 96-97

**HEH Series Standoff Feet 600V**  
page 98-99

**HE42 Series Pluggable 300V, 600V**  
page 100-101

#### ATS SERIES with wire protector - Center Barrier

##### MATERIAL SPECIFICATIONS



##### Current Carrying Metal

*Corrosion free material*

- Insert: Nickel-plated copper alloy
- Screw: yellow chromated steel
- Wire protector: Stainless Steel
- Middle Barrier: Stainless Steel

##### Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

##### Polyamide 66 Specifications

- Upper Temperature Limit: 125°C
- Lower Temperature Limit: -30°C
- Flammability UL94: V0

**ATS Series Flat Base 300V**  
page 102

**ATSF Series Standoff Feet 600V**  
page 103

### ACCESSORIES



**Jumpers, Separation Plates, Marking Pins, Imprinting**  
page 104-105

### HIGHLIGHTS

#### FEATURES

- 300V up to 63A
- Cost effective reliable wire-to-wire solution
- Easy to use double-row terminal strips
- Panel mount or free float
- Finger safe metal parts
- Wire protector
- easy to cut to required pole configuration
- Pre cut version in stock
- Color: white

#### APPLICATIONS

- HVAC
- Appliances
- Equipment
- Power Distribution
- Junction Boxes
- Cost effective alternative to barrier strips



#### Dimensions & Weight

|                            |        |        |
|----------------------------|--------|--------|
| Pitch Spacing              | 8 mm   | 10 mm  |
| Weight per piece (12 pole) | 16.2 g | 31.6 g |

#### Technical Data/Ratings

|                              |                      |                       |                      |                       |
|------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Approvals                    |                      |                       |                      |                       |
|                              | 24-12 AWG            | 1-2.5 mm <sup>2</sup> | 24-10 AWG            | 2.5-4 mm <sup>2</sup> |
| Wire Size (solid / stranded) | 300 V                | 400 V                 | 300 V                | 400 V                 |
| Voltage Rating               | 20 A                 | 6 A                   | 30 A                 | 10 A                  |
| Current Rating               | 4.4 lb-in            | 0.35 Nm               | 7.0 lb-in            | 0.4 Nm                |
| Torque                       | Polyamide 66/6 V0    |                       | Polyamide 66/6 V0    |                       |
| Insulation Material          | Tinned Brass         |                       | Tinned Brass         |                       |
| Insert Material              | Blue Chromated Steel |                       | Blue Chromated Steel |                       |
| Terminal Screw Material      |                      |                       |                      |                       |

#### Installation Instructions

|                        |        |        |
|------------------------|--------|--------|
| Wire Stripping Length  | 5 mm   | 6 mm   |
| Mounting Hole Diameter | 3.0 mm | 3.6 mm |
| Terminal Screw Size    | M2.6   | M3     |

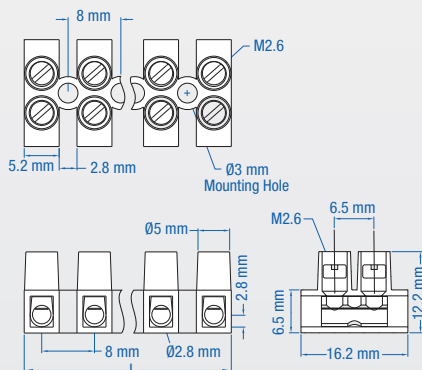
#### Terminal Strips

|         | Cat. No.  | Length  | Std. Pk. | Cat. No.  | Length   | Std. Pk. |
|---------|-----------|---------|----------|-----------|----------|----------|
| 2 pole  | HE1WPR/02 | 13.2 mm | 100      | HE4WPR/02 | 16.4 mm  | 100      |
| 3 pole  | HE1WPR/03 | 21.2 mm | 100      | HE4WPR/03 | 26.4 mm  | 100      |
| 4 pole  | HE1WPR/04 | 29.2 mm | 100      | HE4WPR/04 | 36.4 mm  | 100      |
| 5 pole  | HE1WPR/05 | 37.2 mm | 100      | HE4WPR/05 | 46.4 mm  | 100      |
| 6 pole  | HE1WPR/06 | 45.2 mm | 50       | HE4WPR/06 | 56.4 mm  | 50       |
| 7 pole  | HE1WPR/07 | 53.2 mm | 50       | HE4WPR/07 | 66.4 mm  | 50       |
| 8 pole  | HE1WPR/08 | 61.2 mm | 50       | HE4WPR/08 | 76.4 mm  | 50       |
| 9 pole  | HE1WPR/09 | 69.2 mm | 50       | HE4WPR/09 | 86.4 mm  | 50       |
| 10 pole | HE1WPR/10 | 77.2 mm | 50       | HE4WPR/10 | 96.4 mm  | 50       |
| 11 pole | HE1WPR/11 | 85.2 mm | 50       | HE4WPR/11 | 106.4 mm | 50       |
| 12 pole | HE1WPR/12 | 93.2 mm | 50       | HE4WPR/12 | 116.4 mm | 50       |

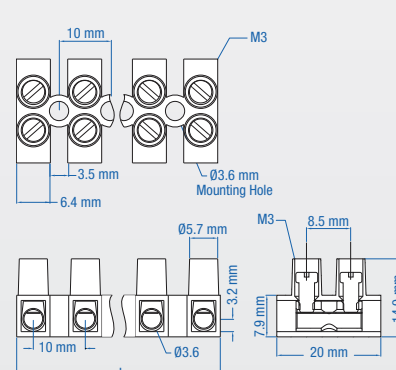
#### Accessories

|                  | Cat. No.        | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------|-----------------|----------|-------------|----------|
| External Jumpers | 2 pole HCL8-2   | 100      | HCL10-2     | 100      |
|                  | 3 pole HCL8-3   | 100      | HCL10-3     | 100      |
|                  | 4 pole HCL8-4   | 100      | HCL10-4     | 100      |
|                  | 12 pole HCL8-12 | 25       | HCL10-12    | 25       |
| Marking Plates   | Blank           | -        | BS24E       | 25       |
|                  | No. 1-12        | -        | BS24EM1-12  | 25       |
|                  | No. 13-24       | -        | BS24EM13-24 | 25       |

#### HE1 DIMENSIONS



#### HE4 DIMENSIONS



(All dimensions are shown in mm, to convert to inches please divide by 25.4)



**Dimensions & Weight**

|                            |        |        |        |
|----------------------------|--------|--------|--------|
| Pitch Spacing              | 12 mm  | 15 mm  | 15 mm  |
| Weight per piece (12 pole) | 47.0 g | 95.5 g | 94.5 g |

**Technical Data/Ratings**

|                              |                      |                     |                      |                      |                      |                       |
|------------------------------|----------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|
| Approvals                    |                      |                     |                      |                      |                      |                       |
| Wire Size (solid / stranded) | <b>20-10 AWG</b>     | 4-6 mm <sup>2</sup> | <b>18-8 AWG</b>      | 6-10 mm <sup>2</sup> | <b>18-6 AWG</b>      | 10-16 mm <sup>2</sup> |
| Voltage Rating               | 300 V                | 400 V               | 300 V                | 400 V                | 300 V                | 400 V                 |
| Current Rating               | 40 A                 | 16 A                | 50 A                 | 25 A                 | 63 A                 | 35 A                  |
| Torque                       | 7.0 lb-in            | 0.55 Nm             | 10.6 lb-in           | 0.84 Nm              | 17.7 lb-in           | 1.4 Nm                |
| Insulation Material          | Polyamide 66/6 V0    |                     | Polyamide 66/6 V0    |                      | Polyamide 66/6 V0    |                       |
| Insert Material              | Tinned Brass         |                     | Tinned Brass         |                      | Tinned Brass         |                       |
| Terminal Screw Material      | Blue Chromated Steel |                     | Blue Chromated Steel |                      | Blue Chromated Steel |                       |

**Installation Instructions**

|                        |        |        |        |
|------------------------|--------|--------|--------|
| Wire Stripping Length  | 7 mm   | 8.5 mm | 8.5 mm |
| Mounting Hole Diameter | 4.2 mm | 4.5 mm | 4.5 mm |
| Terminal Screw Size    | M3.5   | M4     | M5     |

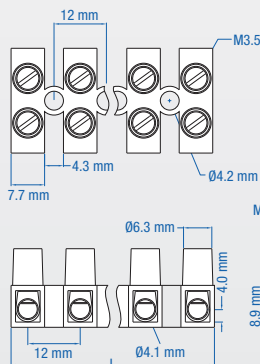
**Terminal Strips**

|         | Cat. No.  | Length   | Std. Pk. | Cat. No.   | Length   | Std. Pk. | Cat. No.   | Length   | Std. Pk. |
|---------|-----------|----------|----------|------------|----------|----------|------------|----------|----------|
| 2 pole  | HE6WPR/02 | 19.8 mm  | 100      | HE10WPR/02 | 24.2 mm  | 50       | HE16WPR/02 | 24.2 mm  | 50       |
| 3 pole  | HE6WPR/03 | 31.8 mm  | 100      | HE10WPR/03 | 39.2 mm  | 50       | HE16WPR/03 | 39.2 mm  | 50       |
| 4 pole  | HE6WPR/04 | 43.8 mm  | 100      | HE10WPR/04 | 54.2 mm  | 50       | HE16WPR/04 | 54.2 mm  | 50       |
| 5 pole  | HE6WPR/05 | 55.8 mm  | 100      | HE10WPR/05 | 69.2 mm  | 50       | HE16WPR/05 | 69.2 mm  | 50       |
| 6 pole  | HE6WPR/06 | 67.8 mm  | 50       | HE10WPR/06 | 84.2 mm  | 25       | HE16WPR/06 | 84.2 mm  | 25       |
| 7 pole  | HE6WPR/07 | 79.8 mm  | 50       | HE10WPR/07 | 99.2 mm  | 25       | HE16WPR/07 | 99.2 mm  | 25       |
| 8 pole  | HE6WPR/08 | 91.8 mm  | 50       | HE10WPR/08 | 114.2 mm | 25       | HE16WPR/08 | 114.2 mm | 25       |
| 9 pole  | HE6WPR/09 | 103.8 mm | 50       | HE10WPR/09 | 129.2 mm | 25       | HE16WPR/09 | 129.2 mm | 25       |
| 10 pole | HE6WPR/10 | 115.8 mm | 25       | HE10WPR/10 | 144.2 mm | 10       | HE16WPR/10 | 144.2 mm | 10       |
| 11 pole | HE6WPR/11 | 127.8 mm | 25       | HE10WPR/11 | 159.2 mm | 10       | HE16WPR/11 | 159.2 mm | 10       |
| 12 pole | HE6WPR/12 | 139.8 mm | 25       | HE10WPR/12 | 174.2 mm | 10       | HE16WPR/12 | 174.2 mm | 10       |

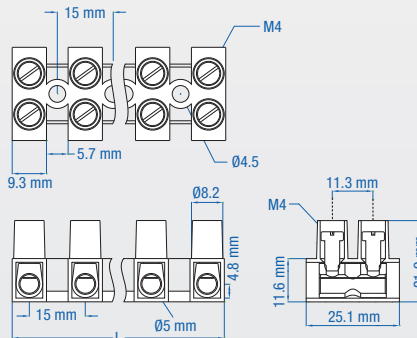
**Accessories**

|                  |           | Cat. No.    | Std. Pk. | Cat. No.      | Std. Pk. | Cat. No.      | Std. Pk. |
|------------------|-----------|-------------|----------|---------------|----------|---------------|----------|
| External Jumpers | 2 pole    | HCL12-2     | 100      | HCL15-2       | 100      | HCL15-2       | 100      |
|                  | 3 pole    | HCL12-3     | 100      | HCL15-3       | 100      | HCL15-3       | 100      |
|                  | 4 pole    | HCL12-4     | 100      | HCL15-4       | 100      | HCL15-4       | 100      |
|                  | 12 pole   | HCL12-12    | 25       | HCL15-12      | 25       | HCL15-12      | 25       |
| Marking Plates   | Blank     | BS60E       | 25       | BS1016E       | 25       | BS1016E       | 25       |
|                  | No. 1-12  | BS60EM1-12  | 25       | BS1016EM1-12  | 25       | BS1016EM1-12  | 25       |
|                  | No. 13-24 | BS60EM13-24 | 25       | BS1016EM13-24 | 25       | BS1016EM13-24 | 25       |

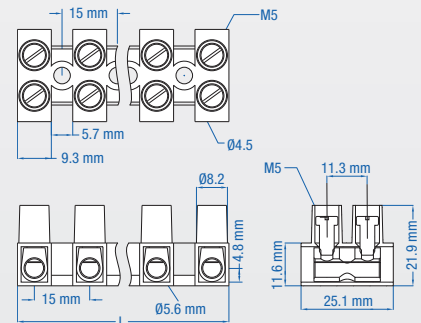
**HE6 DIMENSIONS**



**HE10 DIMENSIONS**



**HE16 DIMENSIONS**



(All dimensions are shown in mm, to convert to inches please divide by 25.4)



**HIGHLIGHTS**

**FEATURES**

- 600V up to 63A
- Cost effective reliable wire-to-wire solution
- Easy to use double-row terminal strips
- Panel mount or free float
- Finger safe metal parts
- Wire protector
- easy to cut to required pole configuration
- Pre cut version in stock
- Color: white

**APPLICATIONS**

- HVAC
- Appliances
- Equipment
- Power Distribution
- Junction Boxes
- Cost effective alternative to barrier strips



**Dimensions & Weight**

|                            |        |        |
|----------------------------|--------|--------|
| Pitch Spacing              | 8 mm   | 10 mm  |
| Weight per piece (12 pole) | 17.2 g | 33.0 g |

**Technical Data/Ratings**

|                              |                      |                       |                      |                       |
|------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Approvals                    |                      |                       |                      |                       |
| Wire Size (solid / stranded) | 24-12 AWG            | 1-2.5 mm <sup>2</sup> | 24-10 AWG            | 2.5-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V                | 500 V                 | 600 V                | 500 V                 |
| Current Rating               | 20 A                 | 6 A                   | 30 A                 | 10 A                  |
| Torque                       | 4.4 lb-in            | 0.35 Nm               | 7.0 lb-in            | 0.4 Nm                |
| Insulation Material          | Polyamide 66/6 V0    |                       | Polyamide 66/6 V0    |                       |
| Insert Material              | Tinned Brass         |                       | Tinned Brass         |                       |
| Screw Material               | Blue Chromated Steel |                       | Blue Chromated Steel |                       |

**Installation Instructions**

|                        |        |        |
|------------------------|--------|--------|
| Wire Stripping Length  | 5 mm   | 6 mm   |
| Mounting Hole Diameter | 3.0 mm | 3.6 mm |
| Terminal Screw Size    | M2.6   | M3     |

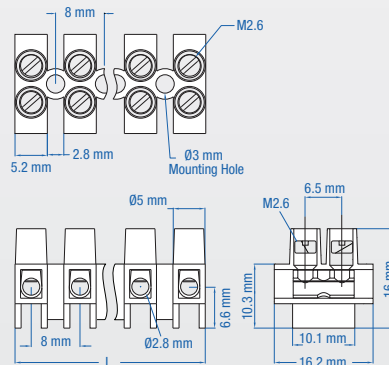
**Terminal Strips**

|         | Cat. No.   | Length  | Std. Pk. | Cat. No.    | Length   | Std. Pk. |
|---------|------------|---------|----------|-------------|----------|----------|
| 2 pole  | HE1HWPR/02 | 13.2 mm | 100      | HE4HNWPR/02 | 16.4 mm  | 100      |
| 3 pole  | HE1HWPR/03 | 21.2 mm | 100      | HE4HNWPR/03 | 26.4 mm  | 100      |
| 4 pole  | HE1HWPR/04 | 29.2 mm | 100      | HE4HNWPR/04 | 36.4 mm  | 100      |
| 5 pole  | HE1HWPR/05 | 37.2 mm | 100      | HE4HNWPR/05 | 46.4 mm  | 100      |
| 6 pole  | HE1HWPR/06 | 45.2 mm | 50       | HE4HNWPR/06 | 56.4 mm  | 50       |
| 7 pole  | HE1HWPR/07 | 53.2 mm | 50       | HE4HNWPR/07 | 66.4 mm  | 50       |
| 8 pole  | HE1HWPR/08 | 61.2 mm | 50       | HE4HNWPR/08 | 76.4 mm  | 50       |
| 9 pole  | HE1HWPR/09 | 69.2 mm | 50       | HE4HNWPR/09 | 86.4 mm  | 50       |
| 10 pole | HE1HWPR/10 | 77.2 mm | 50       | HE4HNWPR/10 | 96.4 mm  | 50       |
| 11 pole | HE1HWPR/11 | 85.2 mm | 50       | HE4HNWPR/11 | 106.4 mm | 50       |
| 12 pole | HE1HWPR/12 | 93.2 mm | 50       | HE4HNWPR/12 | 116.4 mm | 50       |

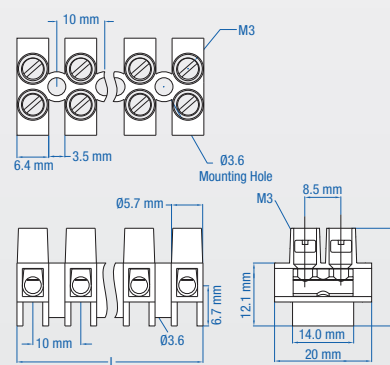
**Accessories**

|                     | Cat. No.        | Std. Pk. | Cat. No.    | Std. Pk. |
|---------------------|-----------------|----------|-------------|----------|
| External Jumpers    | 2 pole HCL8-2   | 100      | HCL10-2     | 100      |
|                     | 3 pole HCL8-3   | 100      | HCL10-3     | 100      |
|                     | 4 pole HCL8-4   | 100      | HCL10-4     | 100      |
|                     | 12 pole HCL8-12 | 25       | HCL10-12    | 25       |
|                     | Marking Plates  | Blank    | -           | BS24E    |
| No. 1-12            |                 | -        | BS24EM1-12  | 25       |
| No. 13-24           |                 | -        | BS24EM13-24 | 25       |
| Isolation Partition | -               | -        | HEP4/6H     | 5        |
| Mounting Pins       | -               | -        | H4          | 50       |

**HE1H DIMENSIONS**



**HE4HN DIMENSIONS**



(All dimensions are shown in mm, to convert to inches please divide by 25.4)

**HE6H**



**HE10H**



**HE16H**



**Dimensions & Weight**

|                            |        |        |        |
|----------------------------|--------|--------|--------|
| Pitch Spacing              | 12 mm  | 15 mm  | 15 mm  |
| Weight per piece (12 pole) | 49.1 g | 98.7 g | 99.3 g |

**Technical Data/Ratings**

|                              |                      |                     |                      |                      |                      |                       |
|------------------------------|----------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|
| Approvals                    |                      |                     |                      |                      |                      |                       |
|                              | 20-10 AWG            | 4-6 mm <sup>2</sup> | 18-8 AWG             | 6-10 mm <sup>2</sup> | 18-6 AWG             | 10-16 mm <sup>2</sup> |
| Wire Size (solid / stranded) | 20-10 AWG            | 4-6 mm <sup>2</sup> | 18-8 AWG             | 6-10 mm <sup>2</sup> | 18-6 AWG             | 10-16 mm <sup>2</sup> |
| Voltage Rating               | 600 V                | 500 V               | 600 V                | 500 V                | 600 V                | 500 V                 |
| Current Rating               | 40 A                 | 16 A                | 50 A                 | 25 A                 | 63 A                 | 35 A                  |
| Torque                       | 7.0 lb-in            | 0.55 Nm             | 7.6 lb-in            | 0.84 Nm              | 17.7 lb-in           | 1.4 Nm                |
| Insulation Material          | Polyamide 66/6 V0    |                     | Polyamide 66/6 V0    |                      | Polyamide 66/6 V0    |                       |
| Insert Material              | Tinned Brass         |                     | Tinned Brass         |                      | Tinned Brass         |                       |
| Terminal Screw Material      | Blue Chromated Steel |                     | Blue Chromated Steel |                      | Blue Chromated Steel |                       |

**Installation Instructions**

|                        |        |        |        |
|------------------------|--------|--------|--------|
| Wire Stripping Length  | 5 mm   | 6 mm   | 6 mm   |
| Mounting Hole Diameter | 4.2 mm | 4.5 mm | 4.5 mm |
| Terminal Screw Size    | M3.5   | M4     | M5     |

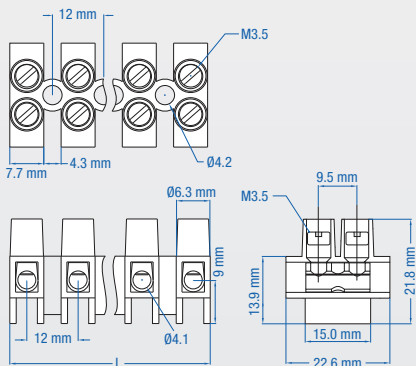
**Terminal Strips**

|         | Cat. No.   | Length   | Std. Pk. | Cat. No.    | Length   | Std. Pk. | Cat. No.    | Length   | Std. Pk. |
|---------|------------|----------|----------|-------------|----------|----------|-------------|----------|----------|
| 2 pole  | HE6HWPR/02 | 19.8 mm  | 100      | HE10HWPR/02 | 24.2 mm  | 40       | HE16HWPR/02 | 24.2 mm  | 40       |
| 3 pole  | HE6HWPR/03 | 31.8 mm  | 100      | HE10HWPR/03 | 39.2 mm  | 40       | HE16HWPR/03 | 39.2 mm  | 40       |
| 4 pole  | HE6HWPR/04 | 43.8 mm  | 100      | HE10HWPR/04 | 54.2 mm  | 40       | HE16HWPR/04 | 54.2 mm  | 40       |
| 5 pole  | HE6HWPR/05 | 55.8 mm  | 100      | HE10HWPR/05 | 69.2 mm  | 40       | HE16HWPR/05 | 69.2 mm  | 40       |
| 6 pole  | HE6HWPR/06 | 67.8 mm  | 50       | HE10HWPR/06 | 84.2 mm  | 20       | HE16HWPR/06 | 84.2 mm  | 20       |
| 7 pole  | HE6HWPR/07 | 79.8 mm  | 50       | HE10HWPR/07 | 99.2 mm  | 20       | HE16HWPR/07 | 99.2 mm  | 20       |
| 8 pole  | HE6HWPR/08 | 91.8 mm  | 50       | HE10HWPR/08 | 114.2 mm | 20       | HE16HWPR/08 | 114.2 mm | 20       |
| 9 pole  | HE6HWPR/09 | 103.8 mm | 50       | HE10HWPR/09 | 129.2 mm | 10       | HE16HWPR/09 | 129.2 mm | 10       |
| 10 pole | HE6HWPR/10 | 115.8 mm | 25       | HE10HWPR/10 | 144.2 mm | 10       | HE16HWPR/10 | 144.2 mm | 10       |
| 11 pole | HE6HWPR/11 | 127.8 mm | 25       | HE10HWPR/11 | 159.2 mm | 10       | HE16HWPR/11 | 159.2 mm | 10       |
| 12 pole | HE6HWPR/12 | 139.8 mm | 25       | HE10HWPR/12 | 174.2 mm | 10       | HE16HWPR/12 | 174.2 mm | 10       |

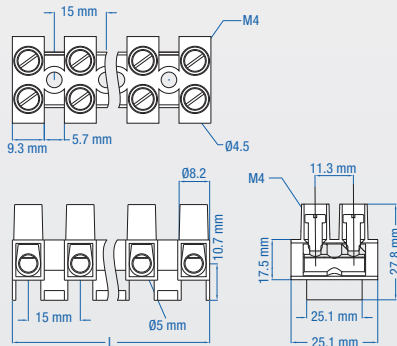
**Accessories**

|                     | Cat. No.       | Std. Pk.    | Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |     |
|---------------------|----------------|-------------|----------|----------|----------|----------|-----|
| External Jumpers    | 2 pole         | HCL12-2     | 100      | HCL15-2  | 100      | HCL15-2  | 100 |
|                     | 3 pole         | HCL12-3     | 100      | HCL15-3  | 100      | HCL15-3  | 100 |
|                     | 4 pole         | HCL12-4     | 100      | HCL15-4  | 100      | HCL15-4  | 100 |
|                     | 12 pole        | HCL12-12    | 25       | HCL15-12 | 25       | HCL15-12 | 25  |
|                     | Marking Plates | Blank       | BS60E    | 25       | -        | -        | -   |
| No. 1-12            |                | BS60EM1-12  | 25       | -        | -        | -        | -   |
| No. 13-24           |                | BS60EM13-24 | 25       | -        | -        | -        | -   |
| Isolation Partition | HEP4/6H        | 5           | -        | -        | -        | -        |     |
| Mounting Pins       | H6             | 50          | -        | -        | -        | -        |     |

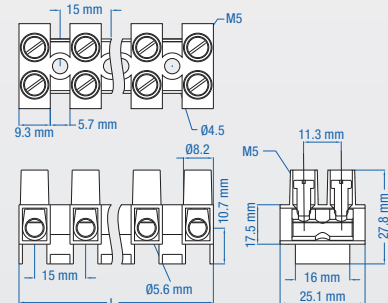
**HE6H DIMENSIONS**



**HE10H DIMENSIONS**

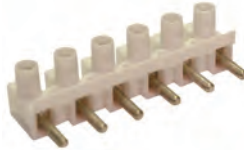


**HE16H DIMENSIONS**



(All dimensions are shown in mm, to convert to inches please divide by 25.4)

#### HE42ST



#### HE42BU



## HIGHLIGHTS

### FEATURES

- Plug & Socket
- Cost effective reliable wire-to-wire solution
- Easy to use double-row terminal strips
- Panel mount or free float
- Finger safe metal parts
- Wire protector
- easy to cut to required pole configuration
- Pre cut version in stock
- 300V / 600V up to 63A
- Color: white

### APPLICATIONS

- HVAC
- Appliances
- Equipment
- Power Distribution
- Junction Boxes
- Cost effective alternative to barrier strips

### Dimensions & Weight

|                            |        |        |
|----------------------------|--------|--------|
| Pitch Spacing              | 10 mm  | 10 mm  |
| Weight per piece (12 pole) | 30.6 g | 30.4 g |

### Technical Data/Ratings

|                              |                      |                       |                      |                       |
|------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Approvals                    |                      |                       |                      |                       |
|                              | E211022              | 60998-2-1             | E211022              | 60998-2-1             |
| Wire Size (solid / stranded) | 24-10 AWG            | 2.5-4 mm <sup>2</sup> | 24-10 AWG            | 2.5-4 mm <sup>2</sup> |
| Voltage Rating               | 300 V                | 400 V                 | 300 V                | 400 V                 |
| Current Rating               | 20 A                 | 10 A                  | 20 A                 | 10 A                  |
| Torque                       | 7.0 lb-in            | 0.4 Nm                | 7.0 lb-in            | 0.4 Nm                |
| Insulation Material          | Polyamide 66/6 V0    |                       | Polyamide 66/6 V0    |                       |
| Insert Material              | Tinned Brass         |                       | Tinned Brass         |                       |
| Terminal Screw Material      | Blue Chromated Steel |                       | Blue Chromated Steel |                       |

### Installation Instructions

|                        |        |        |
|------------------------|--------|--------|
| Wire Stripping Length  | 7 mm   | 6 mm   |
| Mounting Hole Diameter | 3.0 mm | 3.6 mm |
| Terminal Screw Size    | M2.6   | M3     |

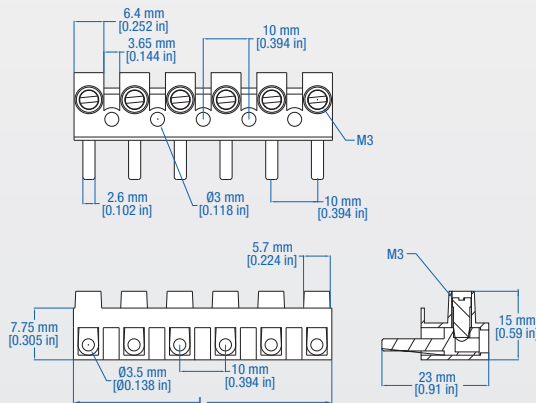
### Terminal Strips

|         | Cat. No.  | Length   | Std. Pk. | Cat. No.  | Length          | Std. Pk. |
|---------|-----------|----------|----------|-----------|-----------------|----------|
| 2 pole  | HE42ST/02 | 16.4 mm  | 100      | HE42BU/02 | 16.4 mm         | 100      |
| 3 pole  | HE42ST/03 | 26.4 mm  | 100      | HE42BU/03 | 26.4 mm <td 100 |          |
| 4 pole  | HE42ST/04 | 36.4 mm  | 100      | HE42BU/04 | 36.4 mm         | 100      |
| 5 pole  | HE42ST/05 | 46.4 mm  | 100      | HE42BU/05 | 46.4 mm         | 100      |
| 6 pole  | HE42ST/06 | 56.4 mm  | 50       | HE42BU/06 | 56.4 mm         | 50       |
| 7 pole  | HE42ST/07 | 66.4 mm  | 50       | HE42BU/07 | 66.4 mm         | 50       |
| 8 pole  | HE42ST/08 | 76.4 mm  | 50       | HE42BU/08 | 76.4 mm         | 50       |
| 9 pole  | HE42ST/09 | 86.4 mm  | 50       | HE42BU/09 | 86.4 mm         | 50       |
| 10 pole | HE42ST/10 | 96.4 mm  | 50       | HE42BU/10 | 96.4 mm         | 50       |
| 11 pole | HE42ST/11 | 106.4 mm | 50       | HE42BU/11 | 106.4 mm        | 50       |
| 12 pole | HE42ST/12 | 116.4 mm | 50       | HE42BU/12 | 116.4 mm        | 50       |

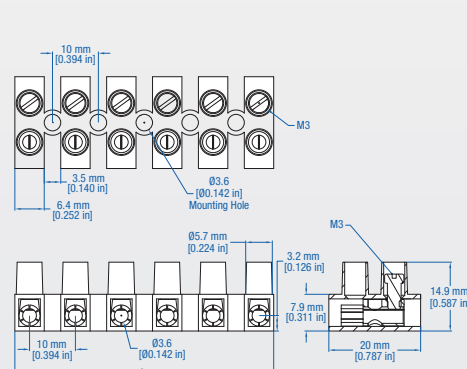
### Accessories

|                  | Cat. No.             | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------|----------------------|----------|-------------|----------|
| External Jumpers | 2 pole HCL10-2       | 100      | HCL10-2     | 100      |
|                  | 3 pole HCL10-3       | 100      | HCL10-3     | 100      |
|                  | 4 pole HCL10-4       | 100      | HCL10-4     | 100      |
|                  | 12 pole HCL10-12     | 25       | HCL10-12    | 25       |
|                  | Blank Marking Plates | BS24E    | 25          | BS24E    |
| No. 1-12         | BS24EM1-12           | 25       | BS24EM1-12  | 25       |
| No. 13-24        | BS24EM13-24          | 25       | BS24EM13-24 | 25       |

### HE42ST DIMENSIONS



### HE42BU DIMENSIONS



(All dimensions are shown in mm, to convert to inches please divide by 25.4)

**HE42SST**

**HE42SBU**

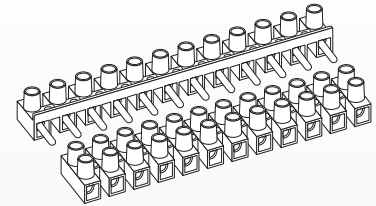


**Dimensions & Weight**

|                            |        |        |
|----------------------------|--------|--------|
| Pitch Spacing              | 10 mm  | 10 mm  |
| Weight per piece (12 pole) | 30.6 g | 30.4 g |

**Technical Data/Ratings**

|                              |                      |                       |                      |                       |
|------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Approvals                    |                      |                       |                      |                       |
|                              | 24-10 AWG            | 2.5-4 mm <sup>2</sup> | 24-10 AWG            | 2.5-4 mm <sup>2</sup> |
| Wire Size (solid / stranded) | 24-10 AWG            | 2.5-4 mm <sup>2</sup> | 24-10 AWG            | 2.5-4 mm <sup>2</sup> |
| Voltage Rating               | 600 V                | 500 V                 | 600 V                | 500 V                 |
| Current Rating               | 20 A                 | 10 A                  | 20 A                 | 10 A                  |
| Torque                       | 7.0 lb-in            | 0.4 Nm                | 7.0 lb-in            | 0.4 Nm                |
| Insulation Material          | Polyamide 66/6 V0    |                       | Polyamide 66/6 V0    |                       |
| Insert Material              | Tinned Brass         |                       | Tinned Brass         |                       |
| Terminal Screw Material      | Blue Chromated Steel |                       | Blue Chromated Steel |                       |



**Installation Instructions**

|                        |        |        |
|------------------------|--------|--------|
| Wire Stripping Length  | 7 mm   | 6 mm   |
| Mounting Hole Diameter | 3.0 mm | 3.6 mm |
| Terminal Screw Size    | M3.5   | M4     |

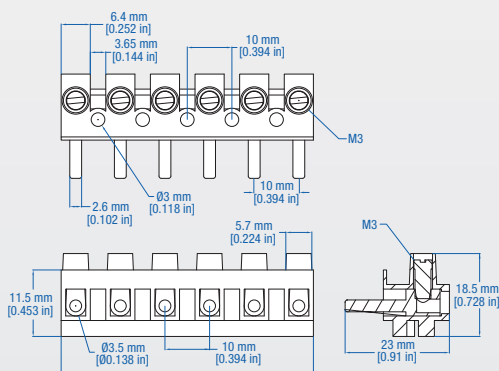
**Terminal Strips**

|         | Cat. No.   | Length   | Std. Pk. | Cat. No.   | Length   | Std. Pk. |
|---------|------------|----------|----------|------------|----------|----------|
| 2 pole  | HE42SST/02 | 16.4 mm  | 100      | HE42SBU/02 | 16.4 mm  | 100      |
| 3 pole  | HE42SST/03 | 26.4 mm  | 100      | HE42SBU/03 | 26.4 mm  | 100      |
| 4 pole  | HE42SST/04 | 36.4 mm  | 100      | HE42SBU/04 | 36.4 mm  | 100      |
| 5 pole  | HE42SST/05 | 46.4 mm  | 100      | HE42SBU/05 | 46.4 mm  | 100      |
| 6 pole  | HE42SST/06 | 56.4 mm  | 50       | HE42SBU/06 | 56.4 mm  | 50       |
| 7 pole  | HE42SST/07 | 66.4 mm  | 50       | HE42SBU/07 | 66.4 mm  | 50       |
| 8 pole  | HE42SST/08 | 76.4 mm  | 50       | HE42SBU/08 | 76.4 mm  | 50       |
| 9 pole  | HE42SST/09 | 86.4 mm  | 50       | HE42SBU/09 | 86.4 mm  | 50       |
| 10 pole | HE42SST/10 | 96.4 mm  | 50       | HE42SBU/10 | 96.4 mm  | 50       |
| 11 pole | HE42SST/11 | 106.4 mm | 50       | HE42SBU/11 | 106.4 mm | 50       |
| 12 pole | HE42SST/12 | 116.4 mm | 50       | HE42SBU/12 | 116.4 mm | 50       |

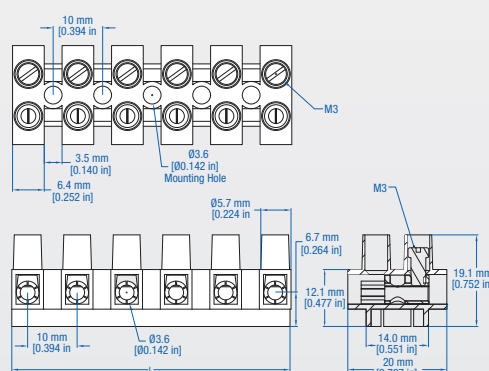
**Accessories**

|                  | Cat. No.              | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------|-----------------------|----------|-------------|----------|
| External Jumpers | 2 pole HCL10-2        | 100      | HCL10-2     | 100      |
|                  | 3 pole HCL10-3        | 100      | HCL10-3     | 100      |
|                  | 4 pole HCL10-4        | 100      | HCL10-4     | 100      |
|                  | 12 pole HCL10-12      | 25       | HCL10-12    | 25       |
| Marking Plates   | Blank BS24E           | 25       | BS24E       | 25       |
|                  | No. 1-12 BS24EM1-12   | 25       | BS24EM1-12  | 25       |
|                  | No. 13-24 BS24EM13-24 | 25       | BS24EM13-24 | 25       |

**HE42SST DIMENSIONS**



**HE42SBU DIMENSIONS**



(All dimensions are shown in mm, to convert to inches please divide by 25.4)

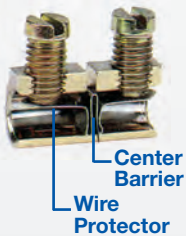
## HIGHLIGHTS

### FEATURES

- Center Barrier / Wire Protector
- 300V/600V up to 63A
- Cost effective reliable wire-to-wire solution
- Easy to use double-row terminal strips
- Panel mount or free float
- Finger safe metal parts
- Wire protector
- easy to cut to required pole configuration
- Pre cut version in stock
- Color: translucent white

### APPLICATIONS

- HVAC
- Appliances
- Equipment
- Power Distribution
- Junction Boxes
- Cost effective alternative to barrier strips



### Dimensions & Weight

|                            |      |       |       |
|----------------------------|------|-------|-------|
| Pitch Spacing              | 8 mm | 10 mm | 12 mm |
| Weight per piece (12 pole) | 22 g | 34 g  | 44 g  |

### Technical Data/Ratings

|                              |                             |              |                         |                             |              |                       |                             |              |                       |               |
|------------------------------|-----------------------------|--------------|-------------------------|-----------------------------|--------------|-----------------------|-----------------------------|--------------|-----------------------|---------------|
| Approvals                    | CE FI ENEC                  | C US E496554 | C US 60947-7-1          | IEC 60947-7-1               | C US E496554 | C US 60947-7-1        | IEC 60947-7-1               | C US E496554 | C US 60947-7-1        | IEC 60947-7-1 |
| Wire Size (solid / stranded) | 22-12 AWG                   | 22-16 AWG    | 0.2-1.5 mm <sup>2</sup> | 22-10 AWG                   | 18-12 AWG    | 0.2-4 mm <sup>2</sup> | 20-8 AWG                    | 18-10 AWG    | 0.2-6 mm <sup>2</sup> |               |
| Voltage Rating               | 300 V                       | 300 V        | 400 V                   | 300 V                       | 300 V        | 400 V                 | 300 V                       | 300 V        | 400 V                 |               |
| Current Rating               | 20 A                        | 15 A         | 15 A                    | 30 A                        | 30 A         | 26 A                  | 40 A                        | 40 A         | 44 A                  |               |
| Torque                       | 4.4 lb-in / 0.5 Nm          |              |                         | 5.3 lb-in / 0.5 Nm          |              |                       | 7 lb-in / 0.5 Nm            |              |                       |               |
| Insulation Material          | Polyamide 6.6               |              |                         | Polyamide 6.6               |              |                       | Polyamide 6.6               |              |                       |               |
| Insert Material              | Nickel Plated Copper Alloy  |              |                         | Nickel Plated Copper Alloy  |              |                       | Nickel Plated Copper Alloy  |              |                       |               |
| Terminal Screw Material      | Zinc Yellow Chromated Steel |              |                         | Zinc Yellow Chromated Steel |              |                       | Zinc Yellow Chromated Steel |              |                       |               |

### Installation Instructions

|                        |                |                 |                 |
|------------------------|----------------|-----------------|-----------------|
| Wire Stripping Length  | 5 mm (0.2 in.) | 6 mm (0.24 in.) | 7 mm (0.28 in.) |
| Mounting Hole Diameter | 2.8 mm         | 3.5 mm          | 4.4 mm          |
| Terminal Screw Size    | M2.5           | M3              | M3.5            |

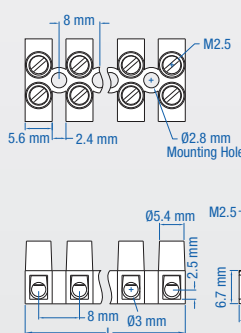
### Terminal Blocks

|         | Cat. No. | Type      | L (mm)  | Pk. | Cat. No. | Type      | L (mm)   | Pk. | Cat. No. | Type      | L (mm)   | Pk. |
|---------|----------|-----------|---------|-----|----------|-----------|----------|-----|----------|-----------|----------|-----|
| 2 pole  | 40.002   | ATS1.5/2  | 13.6 mm | 100 | 40.202   | ATS1.5/2  | 17.0 mm  | 100 | 40.402   | ATS1.5/2  | 20.0 mm  | 100 |
| 3 pole  | 40.003   | ATS1.5/3  | 21.5 mm | 100 | 40.203   | ATS1.5/3  | 27.0 mm  | 100 | 40.403   | ATS1.5/3  | 32.0 mm  | 100 |
| 4 pole  | 40.004   | ATS1.5/4  | 29.5 mm | 100 | 40.204   | ATS1.5/4  | 37.0 mm  | 100 | 40.404   | ATS1.5/4  | 44.0 mm  | 100 |
| 5 pole  | 40.005   | ATS1.5/5  | 37.4 mm | 100 | 40.205   | ATS1.5/5  | 47.0 mm  | 100 | 40.405   | ATS1.5/5  | 56.0 mm  | 100 |
| 6 pole  | 40.006   | ATS1.5/6  | 45.4 mm | 50  | 40.206   | ATS1.5/6  | 57.0 mm  | 50  | 40.406   | ATS1.5/6  | 68.0 mm  | 50  |
| 7 pole  | 40.007   | ATS1.5/7  | 53.3 mm | 50  | 40.207   | ATS1.5/7  | 67.0 mm  | 50  | 40.407   | ATS1.5/7  | 80.0 mm  | 50  |
| 8 pole  | 40.008   | ATS1.5/8  | 61.3 mm | 50  | 40.208   | ATS1.5/8  | 77.0 mm  | 50  | 40.408   | ATS1.5/8  | 92.0 mm  | 50  |
| 9 pole  | 40.009   | ATS1.5/9  | 69.2 mm | 50  | 40.209   | ATS1.5/9  | 87.0 mm  | 50  | 40.409   | ATS1.5/9  | 104.0 mm | 50  |
| 10 pole | 40.010   | ATS1.5/10 | 77.2 mm | 50  | 40.210   | ATS1.5/10 | 97.0 mm  | 50  | 40.410   | ATS1.5/10 | 116.0 mm | 50  |
| 11 pole | 40.011   | ATS1.5/11 | 85.1 mm | 50  | 40.211   | ATS1.5/11 | 107.0 mm | 50  | 40.411   | ATS1.5/11 | 128.0 mm | 50  |
| 12 pole | 40.012   | ATS1.5/12 | 93.0 mm | 50  | 40.212   | ATS1.5/12 | 117.0 mm | 50  | 40.412   | ATS1.5/12 | 140.0 mm | 50  |

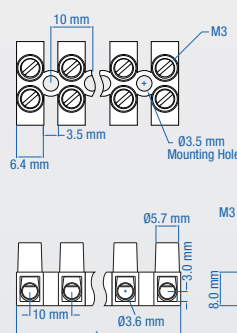
### Accessories

|                  | Cat. No. | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------|----------|----------|-------------|----------|-------------|----------|
| External Jumpers | HCL8-2   | 100      | HCL10-2     | 100      | HCL12-2     | 100      |
|                  | HCL8-3   | 100      | HCL10-3     | 100      | HCL12-3     | 100      |
|                  | HCL8-4   | 100      | HCL10-4     | 100      | HCL12-4     | 100      |
|                  | HCL8-12  | 25       | HCL10-12    | 25       | HCL12-12    | 25       |
| Marking Plates   | -        | -        | BS24E       | 25       | BS60E       | 25       |
|                  | -        | -        | BS24EM1-12  | 25       | BS60EM1-12  | 25       |
|                  | -        | -        | BS24EM13-24 | 25       | BS60EM13-24 | 25       |

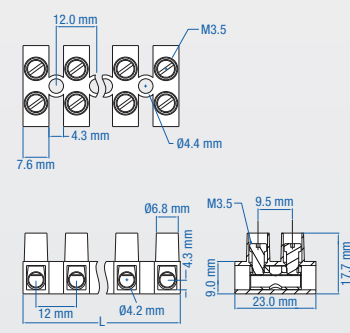
### ATS1.5 DIMENSIONS



### ATS2.5 DIMENSIONS



### ATS6 DIMENSIONS



(All dimensions are shown in mm, to convert to inches please divide by 25.4)



### ATSF1.5



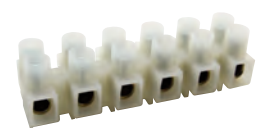
### ATSF2.5



### ATSF6



### ATSF16



### Dimensions & Weight

|                            |      |       |       |       |
|----------------------------|------|-------|-------|-------|
| Pitch Spacing              | 8 mm | 10 mm | 12 mm | 15 mm |
| Weight per piece (12 pole) | 30 g | 36 g  | 50 g  | 98 g  |

### Technical Data/Ratings

|                              |                             |           |                         |                             |           |                       |                             |           |                       |                             |          |                        |
|------------------------------|-----------------------------|-----------|-------------------------|-----------------------------|-----------|-----------------------|-----------------------------|-----------|-----------------------|-----------------------------|----------|------------------------|
| Approvals                    |                             |           |                         |                             |           |                       |                             |           |                       |                             |          |                        |
| Wire Size (solid / stranded) | 22-12 AWG                   | 22-16 AWG | 0.2-1.5 mm <sup>2</sup> | 22-10 AWG                   | 18-12 AWG | 0.2-4 mm <sup>2</sup> | 20-8 AWG                    | 18-10 AWG | 0.2-6 mm <sup>2</sup> | 14-6 AWG                    | 18-6 AWG | 0.2-16 mm <sup>2</sup> |
| Voltage Rating               | 600 V                       | 600 V     | 400 V                   | 600 V                       | 600 V     | 400 V                 | 600 V                       | 600 V     | 400 V                 | 600 V                       | 600 V    | 800 V                  |
| Current Rating               | 20 A                        | 15 A      | 15 A                    | 30 A                        | 30 A      | 26 A                  | 40 A                        | 40 A      | 44 A                  | 63 A                        | 65 A     | 82 A                   |
| Torque                       | 4.4 lb-in / 0.5 Nm          |           |                         | 5.3 lb-in / 0.6 Nm          |           |                       | 7 lb-in / 0.8 Nm            |           |                       | 20 lb-in / 2.25 Nm          |          |                        |
| Insulation Material          | Polyamide 6.6               |           |                         | Polyamide 6.6               |           |                       | Polyamide 6.6               |           |                       | Polyamide 6.6               |          |                        |
| Insert Material              | Nickel Plated Copper Alloy  |           |                         | Nickel Plated Copper Alloy  |           |                       | Nickel Plated Copper Alloy  |           |                       | Nickel Plated Copper Alloy  |          |                        |
| Terminal Screw Material      | Zinc Yellow Chromated Steel |           |                         | Zinc Yellow Chromated Steel |           |                       | Zinc Yellow Chromated Steel |           |                       | Zinc Yellow Chromated Steel |          |                        |

### Installation Instructions

|                        |                |                 |                 |                 |
|------------------------|----------------|-----------------|-----------------|-----------------|
| Wire Stripping Length  | 5 mm (0.2 in.) | 6 mm (0.24 in.) | 7 mm (0.28 in.) | 8 mm (0.32 in.) |
| Mounting Hole Diameter | 2.8 mm         | 3.5 mm          | 4.4 mm          | 4.2 mm          |
| Terminal Screw Size    | M2.5           | M3              | M3.5            | M5              |

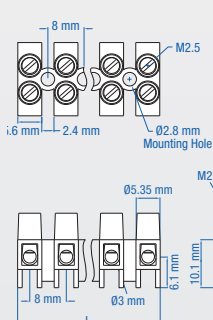
### Terminal Blocks

|         | Cat. No. | Type       | L (mm) | Pk. | Cat. No. | Type       | L (mm) | Pk. | Cat. No. | Type     | L (mm) | Pk. | Cat. No. | Type      | L (mm) | Pk. |
|---------|----------|------------|--------|-----|----------|------------|--------|-----|----------|----------|--------|-----|----------|-----------|--------|-----|
| 2 pole  | 40.102   | ATSF1.5/2  | 13.6   | 100 | 40.302   | ATSF2.5/2  | 17.0   | 100 | 40.502   | ATSF6/2  | 20.0   | 100 | 40.702   | ATSF16/2  | 25.0   | 40  |
| 3 pole  | 40.103   | ATSF1.5/3  | 21.5   | 100 | 40.303   | ATSF2.5/3  | 27.0   | 100 | 40.503   | ATSF6/3  | 32.0   | 100 | 40.703   | ATSF16/3  | 40.0   | 40  |
| 4 pole  | 40.104   | ATSF1.5/4  | 29.5   | 100 | 40.304   | ATSF2.5/4  | 37.0   | 100 | 40.504   | ATSF6/4  | 44.0   | 100 | 40.704   | ATSF16/4  | 55.0   | 40  |
| 5 pole  | 40.105   | ATSF1.5/5  | 37.4   | 100 | 40.305   | ATSF2.5/5  | 47.0   | 100 | 40.505   | ATSF6/5  | 56.0   | 100 | 40.705   | ATSF16/5  | 70.5   | 40  |
| 6 pole  | 40.106   | ATSF1.5/6  | 45.4   | 50  | 40.306   | ATSF2.5/6  | 57.0   | 50  | 40.506   | ATSF6/6  | 68.0   | 50  | 40.706   | ATSF16/6  | 86.0   | 20  |
| 7 pole  | 40.107   | ATSF1.5/7  | 53.3   | 50  | 40.307   | ATSF2.5/7  | 67.0   | 50  | 40.507   | ATSF6/7  | 80.0   | 50  | 40.707   | ATSF16/7  | 101.0  | 20  |
| 8 pole  | 40.108   | ATSF1.5/8  | 61.3   | 50  | 40.308   | ATSF2.5/8  | 77.0   | 50  | 40.508   | ATSF6/8  | 92.0   | 50  | 40.708   | ATSF16/8  | 116.0  | 20  |
| 9 pole  | 40.109   | ATSF1.5/9  | 69.2   | 50  | 40.309   | ATSF2.5/9  | 87.0   | 50  | 40.509   | ATSF6/9  | 104.0  | 50  | 40.709   | ATSF16/9  | 131.0  | 10  |
| 10 pole | 40.110   | ATSF1.5/10 | 77.2   | 50  | 40.310   | ATSF2.5/10 | 97.0   | 50  | 40.510   | ATSF6/10 | 116.0  | 25  | 40.710   | ATSF16/10 | 146.0  | 10  |
| 11 pole | 40.111   | ATSF1.5/11 | 85.1   | 50  | 40.311   | ATSF2.5/11 | 197.0  | 50  | 40.511   | ATSF6/11 | 128.0  | 25  | 40.711   | ATSF16/11 | 161.0  | 10  |
| 12 pole | 40.112   | ATSF1.5/12 | 93.0   | 50  | 40.312   | ATSF2.5/12 | 117.0  | 50  | 40.512   | ATSF6/12 | 140.0  | 25  | 40.712   | ATSF16/12 | 176.0  | 10  |

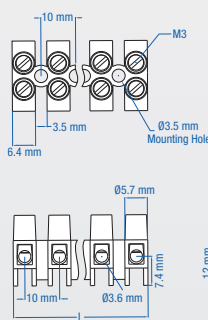
### Accessories

|                     | Cat. No. | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.      | Std. Pk. |
|---------------------|----------|----------|-------------|----------|-------------|----------|---------------|----------|
| External Jumpers    | HCL8-2   | 100      | HCL10-2     | 100      | HCL12-2     | 100      | HCL15-2       | 100      |
|                     | HCL8-3   | 100      | HCL10-3     | 100      | HCL12-3     | 100      | HCL15-3       | 100      |
|                     | HCL8-4   | 100      | HCL10-4     | 100      | HCL12-4     | 100      | HCL15-4       | 100      |
|                     | HCL8-12  | 25       | HCL10-12    | 25       | HCL12-12    | 25       | HCL15-12      | 25       |
| Isolation Partition | -        | -        | HEP4/6H     | 5        | HEP4/6H     | 5        | -             | -        |
| Mounting Pins       | -        | -        | H4          | 50       | H6          | 50       | -             | -        |
| Marking Plates      | -        | -        | BS24E       | 25       | BS60E       | 25       | BS1016E       | 25       |
|                     | -        | -        | BS24EM1-12  | 25       | BS60EM1-12  | 25       | BS1016EM1-12  | 25       |
|                     | -        | -        | BS24EM13-24 | 25       | BS60EM13-24 | 25       | BS1016EM13-24 | 25       |

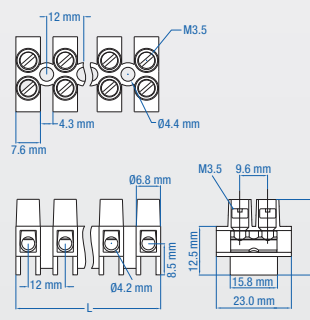
### ATSF1.5 DIMENSIONS



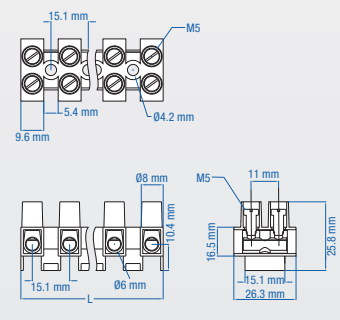
### ATSF2.5 DIMENSIONS



### ATSF6 DIMENSIONS



### ATSF16 DIMENSIONS



(All dimensions are shown in mm, to convert to inches please divide by 25.4)

**HIGHLIGHTS**

**EXTERNAL JUMPERS**

- Bus potential between poles on terminal Strips
- Eliminates Wire Jumpers
- Less wiring Time
- Material: Copper Alloy nickel plated (pins)  
Polyamide 66 (Insulation)
- Color: Black

**ISOLATION PARTITION**

- Separation between adjacent poles of different potentials
- Visual separation of poles
- Better circuit Identification
- Increasing wiring efficiency
- Material: Polyamide 66
- Color: black

**EXTERNAL JUMPERS**

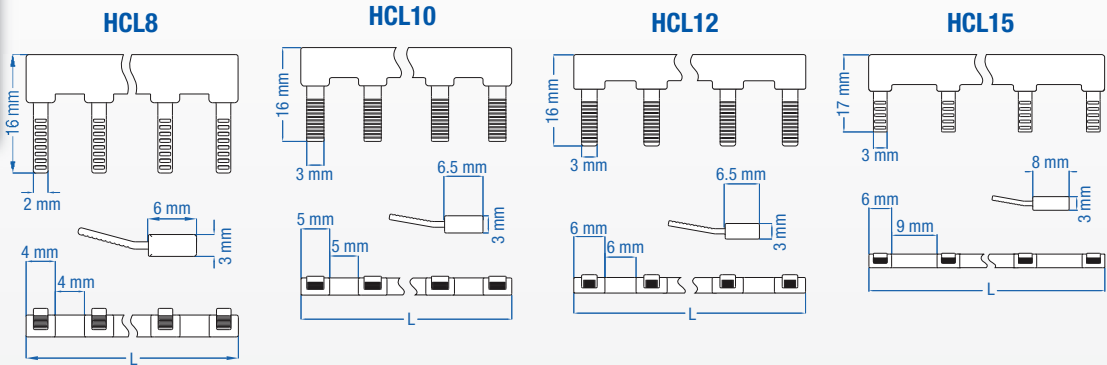


**Technical Information**

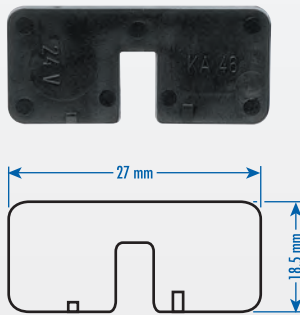
| External Jumper | HCL8             | HCL10             | HCL12             | HCL15                    |
|-----------------|------------------|-------------------|-------------------|--------------------------|
| Eurostrip       | HE1, HE1H        | HE4, HE4HN        | HE6, HE6H         | HE10, HE16, HE10H, HE16H |
| Pole Spacing    | 8 mm (0.315 in.) | 10 mm (0.394 in.) | 12 mm (0.472 in.) | 15 mm (0.591 in.)        |

**Ordering Information**

|         | Cat. No.       | Length | Std. Pk. | Cat. No.        | Length | Std. Pk. | Cat. No.        | Length | Std. Pk. | Cat. No.        | Length | Std. Pk. |
|---------|----------------|--------|----------|-----------------|--------|----------|-----------------|--------|----------|-----------------|--------|----------|
| 2 pole  | <b>HCL8-2</b>  | 12 mm  | 100      | <b>HCL10-2</b>  | 15 mm  | 100      | <b>HCL12-2</b>  | 18 mm  | 100      | <b>HCL15-2</b>  | 20 mm  | 100      |
| 3 pole  | <b>HCL8-3</b>  | 20 mm  | 100      | <b>HCL10-3</b>  | 25 mm  | 100      | <b>HCL12-3</b>  | 30 mm  | 100      | <b>HCL15-3</b>  | 35 mm  | 100      |
| 4 pole  | <b>HCL8-4</b>  | 28 mm  | 100      | <b>HCL10-4</b>  | 35 mm  | 100      | <b>HCL12-4</b>  | 42 mm  | 100      | <b>HCL15-4</b>  | 50 mm  | 100      |
| 12 pole | <b>HCL8-12</b> | 92 mm  | 25       | <b>HCL10-12</b> | 115 mm | 25       | <b>HCL12-12</b> | 138 mm | 25       | <b>HCL15-12</b> | 170 mm | 25       |



**ISOLATION PARTITIONS**



For Eurostrip HE4HN, HE6H, TSF2.5, TSF6

| Cat. No.        | Dimensions         | Std. Pk. |
|-----------------|--------------------|----------|
| <b>HEP4/16H</b> | 27 x 18.5 x 3.4 mm | 5        |

(All dimensions are shown in mm, to convert to inches please divide by 25.4)

ACCESSORIES

MOUNTING PINS

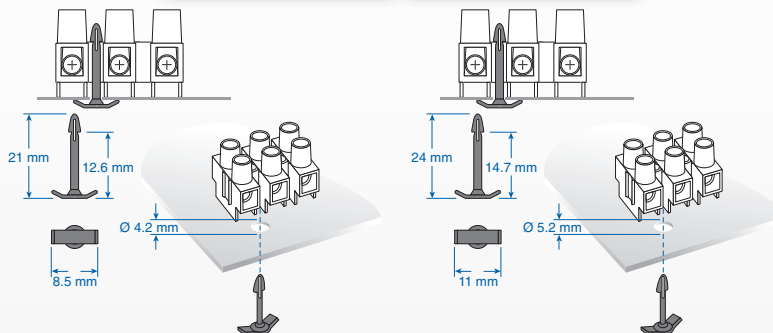


**Technical Information**

| Mounting Pins   | H4         | H6         |
|-----------------|------------|------------|
| Eurostrip Type  | HE4HN      | HE6H       |
| Panel Thickness | 0.5-1.5 mm | 0.8-1.8 mm |
| Drill Hole Size | Ø4.2 mm    | Ø5.2mm     |

**Ordering Information**

| Cat. No. | Std. Pk. | Cat. No. | Std. Pk. |
|----------|----------|----------|----------|
| H4       | 50       | H6       | 50       |



MARKING PLATES



**Dimensions & Weight**

|                |            |           |                          |
|----------------|------------|-----------|--------------------------|
| Eurostrip Type | HE4, HE4HN | HE6, HE6H | HE10, HE10H, HE16, HE16H |
|----------------|------------|-----------|--------------------------|

**Ordering Information**

|       | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.      | Std. Pk. |
|-------|-------------|----------|-------------|----------|---------------|----------|
| Blank | BS24E       | 25       | BS60E       | 25       | BS1016E       | 25       |
| 1-12  | BS24EM1-12  | 25       | BS60EM1-12  | 25       | BS1016EM1-12  | 25       |
| 13-24 | BS24EM13-24 | 25       | BS60EM13-24 | 25       | BS1016EM13-24 | 25       |

**HIGHLIGHTS**

- MOUNTING PINS**
- Faster Panel Mounting with snap-on mounting pins
  - Installation
    - 1) Insert Pin through drilled hole
    - 2) Position Eurostrip on mounting pin
    - 3) Snap Eurostrip onto Mounting Pins
  - Use 2 or more pins per Eurostrip
  - Material: Polycarbonate

- MARKING PLATES**
- Install Mounting Plate under or on top of Eurostrip
  - Easy identification of individual pole positions for more wiring efficiency
  - Less installation time
  - Blank marking plates for hand-marking
  - Imprinted Marking Plates (No. 1-12, 13-24)
  - Material: PVC
  - Color: white with black imprint

- Imprinting**
- Mark individual pole positions
  - Marking saves installation Time
  - Marking on turret location
  - Consecutive, identical or custom imprints
  - Specify imprinting in part#
  - Imprint: black ink, rub-resistant
  - 500pcs MOQ

IMPRINTING

**Imprint Example**



HE10HWPR/06/1-6

**Order Examples**

**Ordering Information**

|                 | Cat. No.        | Std. Pk. |
|-----------------|-----------------|----------|
| Consecutive 1-6 | HE10HWPR/06/1-6 | 500      |
| Consecutive 8-1 | HE1WPR/08/8-1   | 500      |
| Identical       | HE6WPR/12/1     | 500      |

For custom imprints please contact Altech.

(All dimensions are shown in mm, to convert to inches please divide by 25.4)

### HIGHLIGHTS

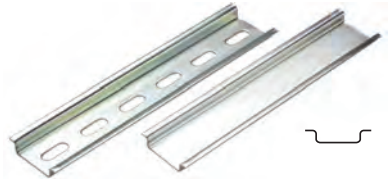
#### FEATURES

- Altech DIN Rails comply with DIN EN60715, EN50022, EN50035, EN50045 standards
- Easy mounting of terminal blocks, power supplies and other control components and devices into panel
- Space saving
- Reduces labor
- 35mm, 32mm and 15mm versions
- 1m and 2m standard length
- Custom length available
- Perforated, unperforated

#### MATERIAL

- Zinc-plated steel
  - 35x7.5mm
  - 35x15mm
  - 32mm
  - 15mm
- Aluminum
  - 35x7.5mm
- Stainless Steel (Type AISI 304)
  - 35x7.5mm

### DIN35 x 7.5



35 mm x  
7.5 mm deep

#### Zinc Plated Steel

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

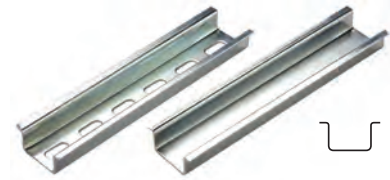
#### Stainless Steel

| Type         | Cat. No.   | Length | Std. Pk. |
|--------------|------------|--------|----------|
| Perforated   | 2511125    | 2m     | 20       |
|              | 2511125/1M | 1m     | 20       |
| Unperforated | 2511115    | 2m     | 20       |
|              | 2511115/1M | 1m     | 20       |

#### Aluminum

| Type         | Cat. No.   | Length | Std. Pk. |
|--------------|------------|--------|----------|
| Perforated   | 2511121    | 2m     | 20       |
|              | 2511121/1M | 1m     | 20       |
| Unperforated | 2511111    | 2m     | 20       |
|              | 2511111/1M | 1m     | 20       |

### DIN35 x 15



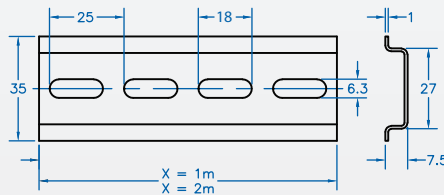
35 mm x  
15 mm deep

#### Zinc Plated Steel

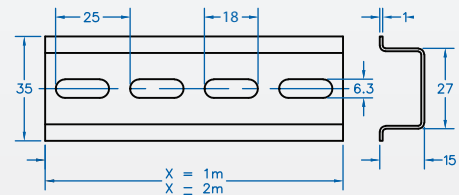
| Type         | Cat. No.      | Length | Std. Pk. |
|--------------|---------------|--------|----------|
| Perforated   | CA701-15/S-2M | 2m     | 10       |
|              | CA701-15/S    | 1m     | 10       |
| Unperforated | CA701-15-2M   | 2m     | 10       |
|              | CA701-15      | 1m     | 10       |

### Dimensions

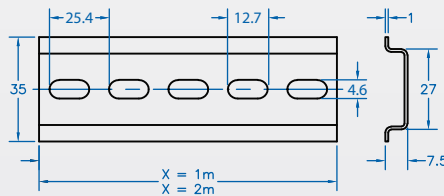
#### Perforated Steel and Stainless



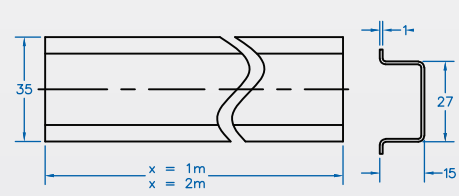
#### Perforated Steel



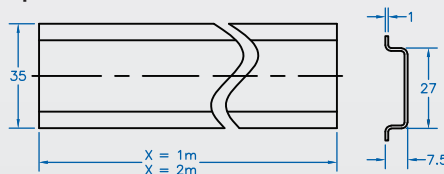
#### Perforated Aluminum



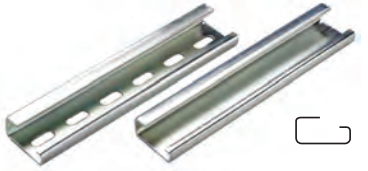
#### Unperforated Steel



#### Unperforated



**DIN32**



32 mm x  
15 mm deep

**DIN15**



15 mm x  
5.5 mm deep

**Zinc Plated Steel**

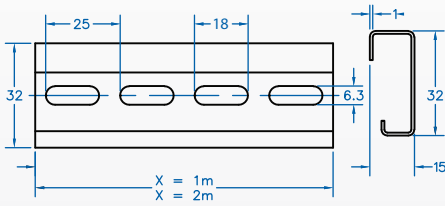
| Type         | Cat. No.   | Length | Std. Pk. |
|--------------|------------|--------|----------|
| Perforated   | 2511160    | 2m     | 10       |
|              | 2511160/1M | 1m     | 20       |
| Unperforated | 2511150    | 2m     | 10       |
|              | 2511150/1M | 1m     | 20       |

**Zinc Plated Steel**

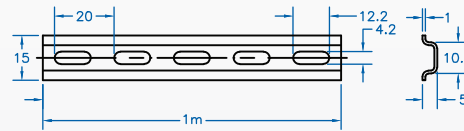
| Type       | Cat. No. | Length | Std. Pk. |
|------------|----------|--------|----------|
| Perforated | CA601/S  | 1m     | 50       |

**Dimensions**

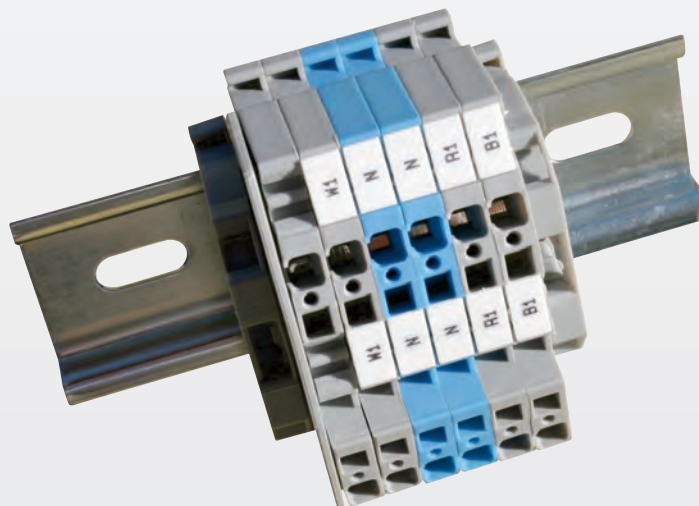
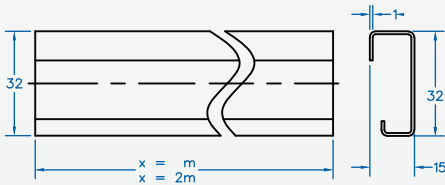
**Perforated Steel**



**Perforated Steel**



**Unperforated Steel**





### HIGHLIGHTS

#### SUPPORT BRACKETS

- Elevate DIN Rail away from panel
- Easier mounting of components
- Suitable for all mounting rails
- Increase wiring access
- 45° version for improved visibility
- Straight brackets available in 3 heights:
  - 1"
  - 2"
  - 3"

#### MOUNTING

- Brackets mount with 2 screws to any panel or flat surface
- Tapped center hole for DIN Rail mounting

#### MATERIAL

- Zinc-plated yellow chromated Steel

#### UNIVERSAL DIN CLIPS

- Clips on to any 35mm/32mm DIN Rail
- Flexible mounting solution
- Mount any component on 32mm/35mm DIN Rail
- Various mounting hole solutions
- Material: zinc-plated steel, Polyamide 66

#### SPACER

- Increases creepage and clearance distance between terminal blocks
- Segregate different groups of terminal blocks

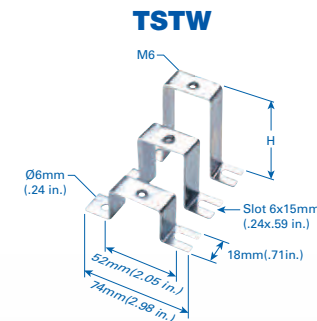
#### WARNING LABELS

- Mounted on top of terminal block for visual identification
- Make entire terminal block assembly shock-proof

### SUPPORT BRACKETS



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



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

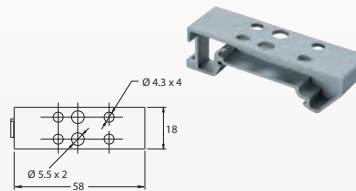
### UNIVERSAL DIN CLIPS

#### D35CLIP



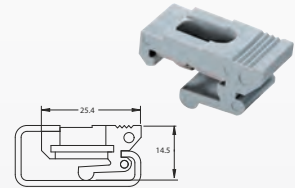
| Cat. No.   | Mounting Hole | Std. Pk. |
|------------|---------------|----------|
| D35CLIP-M4 | M4            | 100      |
| D35CLIP-M5 | M5            | 100      |

#### CMTB35



| Cat. No. | Mounting Hole | Std. Pk. |
|----------|---------------|----------|
| CMTB35   | 2x4.4 mm      | 50       |
|          | 2x5.5 mm      |          |

#### CA902



| Cat. No. | Std. Pk. |
|----------|----------|
| CA902    | 100      |

### SPACER

#### CASP



| Cat. No. | Dimensions     | Std. Pk. |
|----------|----------------|----------|
| CASP     | 29 x 43 x 8 mm | 50       |

#### CDL4U SPACER



| Cat. No. | Dimensions       | Std. Pk. |
|----------|------------------|----------|
| CDL4USP  | 54 x 55.5 x 6 mm | 50       |

### WARNING LABELS

| Cat. No. | Terminal Blocks                       | Pack | Std. Pk. Strips | Tags |
|----------|---------------------------------------|------|-----------------|------|
| WLX2.5   | CX2.5 Series, CXDL2.5, CXK2.5, CXM2.5 | 1    | 20              | 100  |
| WLX4     | CX4 Series, CXF Series, CXK4          | 1    | 20              | 100  |
| WLX6     | CX6 Series, CXDB Series               | 1    | 20              | 100  |
| WLX10    | CX10 Series                           | 1    | 20              | 100  |
| SWL4     | CTS4U-N, CDB4, CMDB4                  | 1    | 20              | 100  |
| SWL10    | CTS6U, CDB6U, CMDB6                   | 1    | 20              | 100  |



### END STOPS

#### Selection Table

| DIN Rail Type     | CA102 | CA202 | CA702 | CA802 | CA103 | CA602 | CA302 | CA402 | CA502 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 35x7.5mm DIN Rail | ✓     | ✓     | ✓     | ✓     | ✓     |       | ✓     |       |       |
| 35x15mm DIN Rail  | ✓     | ✓     | ✓     | ✓     | ✓     |       |       | ✓     |       |
| 32mm DIN Rail     | ✓     |       | ✓     |       |       |       |       |       | ✓     |
| 15mm DIN Rail     |       |       |       |       |       | ✓     |       |       |       |

#### HIGHLIGHTS

##### MOUNTING PINS

- End Stops prevent Terminal Blocks and other DIN Rail components from moving on the rail
- Versions for
  - 35x7.5mm Rail
  - 35x15mm Rail
  - 32mm Rail
  - 15mm Rail
- Heavy Duty End stop **CA102, CA202**
- Screwless End Stop **CA103** (snap on)
- Material:
  - Polyamide
  - Steel

### POLYAMIDE 66

#### CA702



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA702    | 34 x 44 x 9mm | 50       |

#### CA802



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA802    | 32 x 45 x 8mm | 50       |

#### CA202



Heavy Duty End Stop



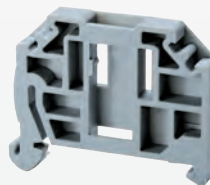
| Cat. No. | Dimensions        | Std. Pk. |
|----------|-------------------|----------|
| CA202    | 44.5 x 50 x 9.5mm | 50       |

#### CA102



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA102    | 46 x 50 x 9mm | 50       |

#### CA103



Screwless Snap-On

| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA103    | 41 x 35 x 6mm | 50       |

#### CA602



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| CA602    | 20 x 28 x 8mm | 50       |

### STEEL

#### CA302



| Cat. No. | Dimensions       | Std. Pk. |
|----------|------------------|----------|
| CA302    | 27 x 39.5 x 16mm | 50       |

#### CA402



| Cat. No. | Dimensions       | Std. Pk. |
|----------|------------------|----------|
| CA402    | 27 x 39.5 x 16mm | 50       |

#### CA502



| Cat. No. | Dimensions         | Std. Pk. |
|----------|--------------------|----------|
| CA502    | 25 x 22.5 x 11.5mm | 50       |

### HIGHLIGHTS

#### FEATURES

- Group identification
- Holders fit standard **MT8** marking tags
- GMH6, GMH7 mounted directly on DIN Rail
- GMH1, GMH2, GMH3, GMH4, GMH5, GMH8 mounted on End Stops
- MT1G, MT2G, can be used with all these holders or can be directly mounted on all end stops
- Material: Polyamide 66

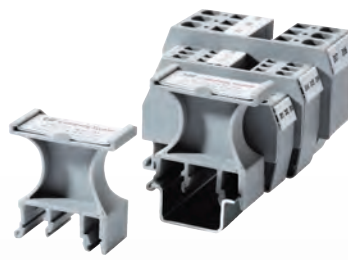
### DIN RAIL MOUNT

#### GMH6



| Cat. No. | Dimensions          | Std. Pk. |
|----------|---------------------|----------|
| GMH6     | 46.5 x 44.5 x 9.5mm | 50       |

#### GMH7

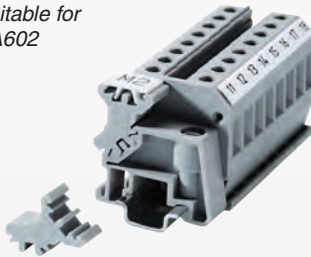


| Cat. No. | Dimensions           | Std. Pk. |
|----------|----------------------|----------|
| GMH7     | 46.5 x 44.5 x 19.5mm | 50       |

### MOUNT ON END STOP

#### GMH1

Suitable for CA602



| Cat. No. | Dimensions        | Std. Pk. |
|----------|-------------------|----------|
| GMH1     | 15.8 x 14.6 x 8mm | 100      |

#### GMH4

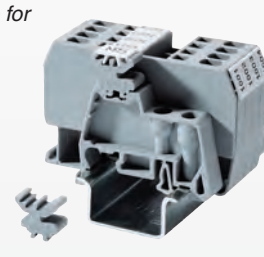
Suitable for CA802



| Cat. No. | Dimensions      | Std. Pk. |
|----------|-----------------|----------|
| GMH4     | 16.2 x 14 x 8mm | 100      |

#### GMH5

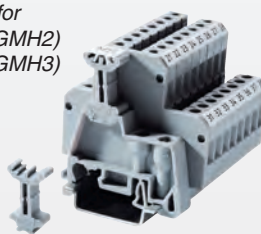
Suitable for CA702



| Cat. No. | Dimensions      | Std. Pk. |
|----------|-----------------|----------|
| GMH5     | 13.7 x 14 x 8mm | 100      |

#### GMH2 / GMH3

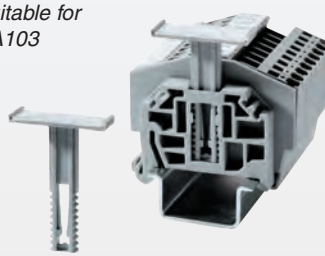
Suitable for CA702 (GMH2)  
CA802 (GMH3)



| Cat. No. | Dimensions      | Std. Pk. |
|----------|-----------------|----------|
| GMH2     | 23.2 x 14 x 8mm | 100      |
| GMH3     | 23 x 14 x 8mm   | 100      |

#### GMH8 / GMH8N

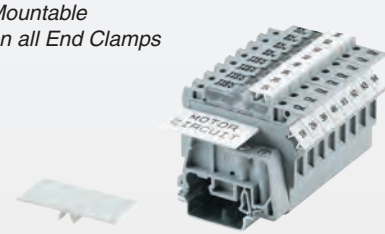
Suitable for CA103



| Cat. No. | Dimensions           | Std. Pk. |
|----------|----------------------|----------|
| GMH8     | 44.65 x 31.10 x 10mm | 100      |
| GMH8N    | 44.65 x 31.10 x 6mm  | 100      |

#### MTG1 / MTG2

Mountable on all End Clamps



| Cat. No. | Dimensions        | Std. Pk. |
|----------|-------------------|----------|
| MTG1     | 4.3 x 34 x 17.8mm | 50       |
| MTG2     | 4.3 x 34 x 8mm    | 50       |

#### TM5

Suitable for CXDL Series



| Cat. No. | Dimensions    | Std. Pk. |
|----------|---------------|----------|
| TM5      | 38 x 17 x 5mm | 50       |

### MARKING TAGS



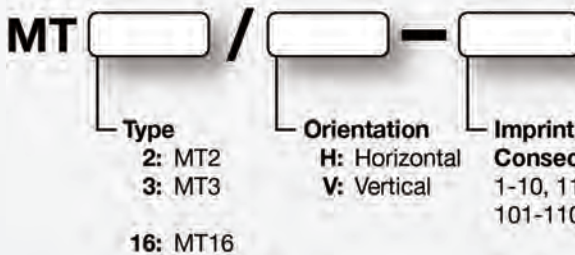
- Cost Effective MT marking system for quick and accurate identification
- Push-On Tags fit all Altech DIN Rail mount terminal blocks
- Inserted individually or as strips of 10
- Quick and easy marking
- Blank Marking Tags for customer marking
- Order with horizontal/ vertical imprint
- Standard imprints with consecutive or identical numbers/ characters
- Custom imprint with short lead time
- Supplied in packs of 100 tags/ 10 strips

### BLANK MARKING TAGS

| Cat No./<br>Type       | Standard Packs |        |      | Dimensions |        |
|------------------------|----------------|--------|------|------------|--------|
|                        | Pack           | Strips | Tags | H          | W      |
| MT2                    | 1              | 10     | 100  | 4.9mm      | 5.8mm  |
| MT3                    | 1              | 20     | 100  | 5.0mm      | 10.0mm |
| MT4                    | 1              | 10     | 100  | 5.0mm      | 4.8mm  |
| MT5                    | 1              | 10     | 100  | 9.5mm      | 4.5mm  |
| MT6                    | 1              | 10     | 100  | 9.5mm      | 5.6mm  |
| MT8                    | 1              | 10     | 100  | 10.5mm     | 7.5mm  |
| MT9                    | 1              | 10     | 100  | 10.3mm     | 8.7mm  |
| MT10                   | 1              | 20     | 100  | 10.4mm     | 9.5mm  |
| MT12                   | 1              | 20     | 100  | 10.4mm     | 11.4mm |
| MT16                   | 1              | 20     | 100  | 10.5mm     | 15.4mm |
| MT2G                   | 1              | 10     | 100  | 5.0mm      | 5.0mm  |
| MT2B4                  | 1              | 10     | 100  | 5.8mm      | 9.1mm  |
| <b>Continuous Tags</b> |                |        |      |            |        |
| MT6F                   | 1              | 10     | 10   | 9.5mm      | 60.0mm |
| MT9F                   | 1              | 10     | 10   | 10.3mm     | 90.0mm |



### HOW TO ORDER IMPRINTED MARKING TAGS



### IMPRINT EXAMPLES FOR MT6

| HORIZONTAL |               |               |               | VERTICAL |               |               |               |
|------------|---------------|---------------|---------------|----------|---------------|---------------|---------------|
| Imprint    | Cat. No.      | Imprint       | Cat. No.      | Imprint  | Cat. No.      | Imprint       | Cat. No.      |
| 1          | MT6/H-1       | 131-140       | MT6/H-131-140 | 1        | MT6/V-1       | 131-140       | MT6/V-131-140 |
| 2          | MT6/H-2       | 141-150       | MT6/H-141-150 | 2        | MT6/V-2       | 141-150       | MT6/V-141-150 |
| 3          | MT6/H-3       | 151-160       | MT6/H-151-160 | 3        | MT6/V-3       | 151-160       | MT6/V-151-160 |
| 4          | MT6/H-4       | 161-170       | MT6/H-161-170 | 4        | MT6/V-4       | 161-170       | MT6/V-161-170 |
| 5          | MT6/H-5       | 171-180       | MT6/H-171-180 | 5        | MT6/V-5       | 171-180       | MT6/V-171-180 |
| 6          | MT6/H-6       | 181-190       | MT6/H-181-190 | 6        | MT6/V-6       | 181-190       | MT6/V-181-190 |
| 7          | MT6/H-7       | 191-200       | MT6/H-191-200 | 7        | MT6/V-7       | 191-200       | MT6/V-191-200 |
| 8          | MT6/H-8       | 1-100         | MT6/H-1-100   | 8        | MT6/V-8       | 1-100         | MT6/V-1-100   |
| 9          | MT6/H-9       | 1-50          | MT6/H-1-50    | 9        | MT6/V-9       | 1-50          | MT6/V-1-50    |
| 10         | MT6/H-10      | A             | MT6/H-A       | 10       | MT6/V-10      | A             | MT6/V-A       |
| 1-10       | MT6/H-1-10    | B             | MT6/H-B       | 1-10     | MT6/V-1-10    | B             | MT6/V-B       |
| 11-20      | MT6/H-11-20   | C             | MT6/H-C       | 11-20    | MT6/V-11-20   | C             | MT6/V-C       |
| 21-30      | MT6/H-21-30   | L1            | MT6/H-L1      | 21-30    | MT6/V-21-30   | L1            | MT6/V-L1      |
| 31-40      | MT6/H-31-40   | L2            | MT6/H-L2      | 31-40    | MT6/V-31-40   | L2            | MT6/V-L2      |
| 41-50      | MT6/H-41-50   | L3            | MT6/H-L3      | 41-50    | MT6/V-41-50   | L3            | MT6/V-L3      |
| 51-60      | MT6/H-51-60   | N             | MT6/H-N       | 51-60    | MT6/V-51-60   | N             | MT6/V-N       |
| 61-70      | MT6/H-61-70   | R             | MT6/H-R       | 61-70    | MT6/V-61-70   | R             | MT6/V-R       |
| 71-80      | MT6/H-71-80   | S             | MT6/H-S       | 71-80    | MT6/V-71-80   | S             | MT6/V-S       |
| 81-90      | MT6/H-81-90   | X             | MT6/H-X       | 81-90    | MT6/V-81-90   | X             | MT6/V-X       |
| 91-100     | MT6/H-91-100  | Y             | MT6/H-Y       | 91-100   | MT6/V-91-100  | Y             | MT6/V-Y       |
| 101-110    | MT6/H-101-110 | Z             | MT6/H-Z       | 101-110  | MT6/V-101-110 | Z             | MT6/V-Z       |
| 111-120    | MT6/H-111-120 | Ground Symbol | MT6/H-GRND    | 111-120  | MT6/V-111-120 | Ground Symbol | MT6/V-GRND    |
| 121-130    | MT6/H-121-130 |               |               | 121-130  | MT6/V-121-130 |               |               |



# FREE Altech® PLOTTER

with **\$5000**  
in annual  
**Terminal Block**  
purchases

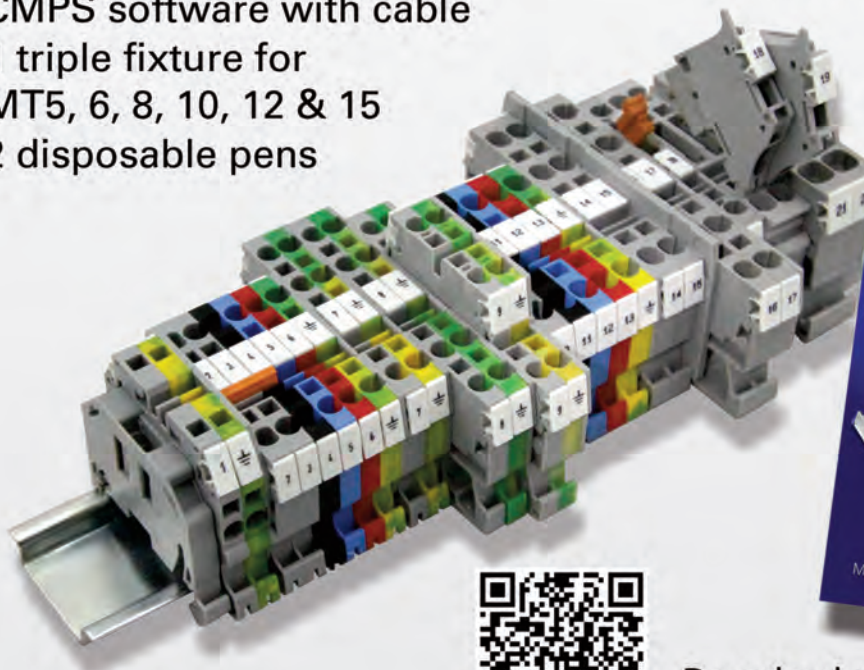
**FREE:**  
**Altech®**  
**CMPS Plotter Package**  
Cat. No. 34130020

**Comes with everything needed  
to begin printing MT5,6,8,10,12  
and 15 tags.**

- CMPS plotter
- Size: 17" x 18" x 4.9"
- CMPS software with cable
- 1 triple fixture for MT5, 6, 8, 10, 12 & 15
- 2 disposable pens



**Contact your local  
Altech Representative  
for the details.**



Download a  
Marking System catalog today.



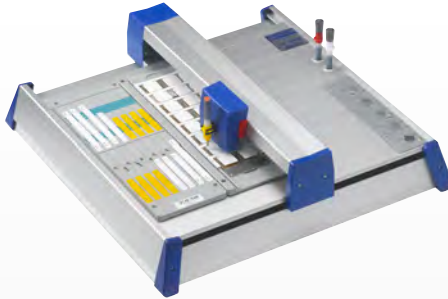
### MARKING SYSTEMS

#### PLOTTERS

The Altech VP Series base unit is an auxiliary plotter that has to be connected to a PC via a USB connection. It is a high speed plotting device and enables plotting of different markers in one setting. The base unit is controlled through a PC with the help of Vario Sign software (sold separately). Manual available in English and Spanish.

The special design of the VP Series 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 of 10.5 mm.

#### PLOTTER VP 600 BASIC

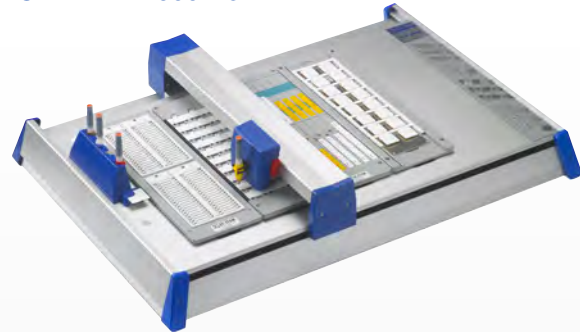


##### Ordering Information

Cat No. 34000082

- Professionally marking of connectors, wires, cables, equipment, cable ties, shrink tubing, labels and signs of different sizes and materials, as well as customer-specific items.
- Manual insertion of plotter pen
- Auto calibration
- Universal Power Supply 100-240V AC
- Control language HPGL
- Universal marking software (VarioSign) sold separately
- Marking area 273 x 305 mm
- Size: 18.5 x 18.9 x 6.1 in. (470 x 480 x 155 mm)
- Weight: 13.9 lbs.

#### PLOTTER VP 600 A3



##### Ordering Information

Cat No. 34000080

- Basic features of plotter VP 600 Basic plus:
- Integrated and automated pen station. Holds 4 different pens at the same time, for fast and frequently changing applications.
- Built-in pen priming function
- Automatic recognition system for marking fixture / plates ensures faster and easier handling of frequently changing marking applications.
- Wide marking area 422 x 305 mm
- Size: 27.2 x 18.9 x 6.1 in. (690 x 480 x 155 mm)
- Weight: 18.3 lbs.

### ACCESSORIES

#### PLOTTER PENS



| Cat. No. | Description                      | Tip Size |
|----------|----------------------------------|----------|
| 35003018 | Etching Plotter Pen (red)        | 0.18 mm  |
| 35003025 | Etching Plotter Pen (white)      | 0.25 mm  |
| 35003035 | Etching Plotter Pen (yellow)     | 0.35 mm  |
| 35003118 | Non-Etching Plotter Pen (red)    | 0.18 mm  |
| 35003125 | Non-Etching Plotter Pen (white)  | 0.25 mm  |
| 35003135 | Non-Etching Plotter Pen (yellow) | 0.35 mm  |

#### ALTECH FIXTURES



| Cat. No. | Description                     |
|----------|---------------------------------|
| 34902191 | MT2G                            |
| 34902081 | MT2, MT3, MT4, MT2B4            |
| 34902001 | MT5, MT6, MT8, MT10, MT12, MT16 |
| 34902057 | MT9                             |
| 34902080 | MTG1, MTG2                      |

\* Fixtures for other Terminal Block Manufacturers are available, please contact Altech for additional information.

#### SOFTWARE



| Cat. No. | Description        |
|----------|--------------------|
| 34000022 | Variosign Software |

Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices.

Using ferrules offers several advantages:

### **ELIMINATE CROSS SHORTING**

caused by unraveled stray wire strands.

### **IMPROVE TERMINAL CONNECTIONS**

and reduce resistance by providing a solid surface at the point of connection.

### **REDUCE INSTALLATION TIME**

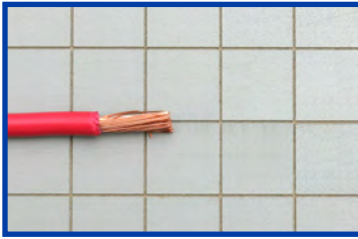
by eliminating the need to dress loose wire strands and facilitating wire insertion into the terminal clamp.

### **PREVENT CONDUCTOR BREAKAGE**

due to bending, wire stress or vibration.

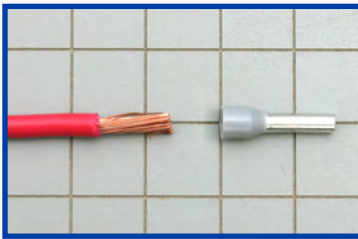
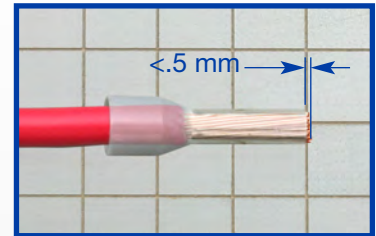


### Cutting and stripping the wire



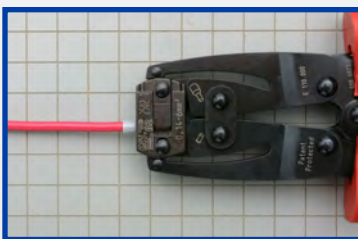
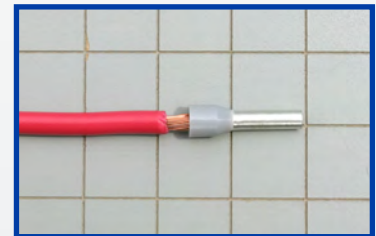
The wire should be cut as squarely and evenly as possible, taking care to avoid angular cuts or damage to the conductor. The strip length of the insulation will depend on the barrel length of the ferrule and the outside diameter of the wire.

Ideally the wire insulation should be stripped to a length that allows the conductor end to reach flush to the tip of the ferrule, when inserted. The end of the conductor should not extend more than .5mm past the tip of the ferrule.



After the insulation is stripped, the strands of the conductor should be dressed by slightly twisting them to insure that any stray strands are consolidated.

The wire can then be inserted into the ferrule. The wire should be pushed in so that the insulation edge is fully covered by the plastic collar. The conductor should completely fill the metal tube and can extend up to .5mm past the tip.



The ferrule and wire should be crimped with an appropriately sized ratcheted crimper. The ferrule should be inserted into the crimper die set and positioned so that only the metal tube is crimped. The crimping tool should be cycled completely to insure proper application.

The finished installation should then be checked for any obvious flaws in processing. An occasional pull test should be performed to check that the crimp tool is functioning properly.





### HIGHLIGHTS

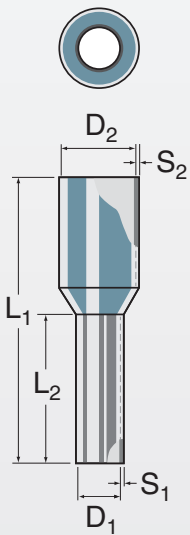
#### FEATURES

Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices. Insulated ferrules prevent conductor breakage due to bending, wire stress or vibration while facilitating wire insertion into the terminal clamp.

Altech's UL insulated ferrules are color coded by conductor size for convenient identification.

To ensure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire and use only professional crimping tools.

In order meet the UL requirements only matching UL crimpers should be use.



### Standard Packaging

| AWG | mm <sup>2</sup> | L <sub>2</sub><br>Barrel Length<br>(mm) | Industry Standard<br>color | Cat. No.       | DIN Standard     |          | Dimensions (mm) |                |                |                |                |                | Std.<br>Pack |
|-----|-----------------|-----------------------------------------|----------------------------|----------------|------------------|----------|-----------------|----------------|----------------|----------------|----------------|----------------|--------------|
|     |                 |                                         |                            |                | color            | Cat. No. | L <sub>1</sub>  | L <sub>2</sub> | D <sub>1</sub> | S <sub>1</sub> | D <sub>2</sub> | S <sub>2</sub> |              |
| 26  | 0.14            | 6                                       | grey                       | ● FII2606      |                  |          | 10              | 6              | 0.6            | 0.15           | 1.5            | 0.25           | 500          |
| 26  | 0.14            | 8                                       | grey                       | ● FII2608      |                  |          | 12              | 8              | 0.6            | 0.15           | 1.5            | 0.25           | 500          |
| 24  | 0.25            | 6                                       | light blue                 | ● FII2406      |                  |          | 10              | 6              | 0.85           | 0.15           | 1.8            | 0.25           | 500          |
| 24  | 0.25            | 8                                       | light blue                 | ● FII2408      |                  |          | 12              | 8              | 0.85           | 0.15           | 1.8            | 0.25           | 500          |
| 24  | 0.25            | 12                                      | light blue                 | ● FII2412      |                  |          | 16              | 12             | 0.85           | 0.15           | 1.8            | 0.25           | 500          |
| 22  | 0.34            | 6                                       | turquoise                  | ● FII2206      |                  |          | 10              | 6              | 0.85           | 0.15           | 2              | 0.25           | 500          |
| 22  | 0.34            | 8                                       | turquoise                  | ● FII2208      |                  |          | 12              | 8              | 0.85           | 0.15           | 2              | 0.25           | 500          |
| 22  | 0.34            | 12                                      | turquoise                  | ● FII2212      |                  |          | 16              | 12             | 0.85           | 0.15           | 2              | 0.25           | 500          |
| 20  | 0.5             | 6                                       | orange                     | ● FII2006      | white ○ FID2006  |          | 12              | 6              | 1              | 0.15           | 2.6            | 0.25           | 500          |
| 20  | 0.5             | 8                                       | orange                     | ● FII2008      | white ○ FID2008  |          | 14              | 8              | 1              | 0.15           | 2.6            | 0.25           | 500          |
| 20  | 0.5             | 10                                      | orange                     | ● FII2010      | white ○ FID2010  |          | 16              | 10             | 1              | 0.15           | 2.6            | 0.25           | 500          |
| 20  | 0.5             | 12                                      | orange                     | ● FII2012      | white ○ FID2012  |          | 18              | 12             | 1              | 0.15           | 2.6            | 0.25           | 500          |
| 18  | 0.75            | 6                                       | white                      | ○ FII1806W     | grey ● FID1806GR |          | 12              | 6              | 1.2            | 0.15           | 2.8            | 0.25           | 500          |
| 18  | 0.75            | 8                                       | white                      | ○ FII1808W     | grey ● FID1808GR |          | 14              | 8              | 1.2            | 0.15           | 2.8            | 0.25           | 500          |
| 18  | 0.75            | 10                                      | white                      | ○ FII1810W     | grey ● FID1810GR |          | 16              | 10             | 1.2            | 0.15           | 2.8            | 0.25           | 500          |
| 18  | 0.75            | 12                                      | white                      | ○ FII1812W     | grey ● FID1812GR |          | 18              | 12             | 1.2            | 0.15           | 2.8            | 0.25           | 500          |
| 18  | 1               | 6                                       | yellow                     | ● FII1806Y     | red ● FID1806R   |          | 12              | 6              | 1.4            | 0.15           | 3              | 0.25           | 500          |
| 18  | 1               | 8                                       | yellow                     | ● FII1808Y     | red ● FID1808R   |          | 14              | 8              | 1.4            | 0.15           | 3              | 0.25           | 500          |
| 18  | 1               | 10                                      | yellow                     | ● FII1810Y     | red ● FID1810R   |          | 16              | 10             | 1.4            | 0.15           | 3              | 0.25           | 500          |
| 18  | 1               | 12                                      | yellow                     | ● FII1812Y     | red ● FID1812R   |          | 18              | 12             | 1.4            | 0.15           | 3              | 0.25           | 500          |
| 16  | 1.5             | 6                                       | red                        | ● FII1606      | black ● FID1606  |          | 12              | 6              | 1.7            | 0.15           | 3.5            | 0.25           | 500          |
| 16  | 1.5             | 8                                       | red                        | ● FII1608      | black ● FID1608  |          | 14              | 8              | 1.7            | 0.15           | 3.5            | 0.25           | 500          |
| 16  | 1.5             | 10                                      | red                        | ● FII1610      | black ● FID1610  |          | 16              | 10             | 1.7            | 0.15           | 3.5            | 0.25           | 500          |
| 16  | 1.5             | 12                                      | red                        | ● FII1612      | black ● FID1612  |          | 18              | 12             | 1.7            | 0.15           | 3.5            | 0.25           | 500          |
| 16  | 1.5             | 18                                      | red                        | ● FII1618      | black ● FID1618  |          | 24              | 18             | 1.7            | 0.15           | 3.5            | 0.25           | 500          |
| 14  | 2.08            | 8                                       | yellow                     | ● FII1408Y     |                  |          | 15              | 8              | 2.05           | 0.15           | 4.2            | 0.3            | 500          |
| 14  | 2.5             | 6                                       |                            | blue ● FID1406 |                  |          | 13              | 6              | 2.2            | 0.15           | 4.2            | 0.25           | 500          |
| 14  | 2.5             | 8                                       |                            | blue ● FID1408 |                  |          | 15              | 8              | 2.2            | 0.15           | 4.2            | 0.25           | 500          |
| 14  | 2.5             | 10                                      |                            | blue ● FID1410 |                  |          | 17              | 10             | 2.2            | 0.15           | 4.2            | 0.25           | 500          |
| 14  | 2.5             | 12                                      |                            | blue ● FID1412 |                  |          | 19              | 12             | 2.2            | 0.15           | 4.2            | 0.25           | 500          |
| 14  | 2.5             | 18                                      |                            | blue ● FID1418 |                  |          | 25              | 18             | 2.2            | 0.15           | 4.2            | 0.25           | 500          |
| 12  | 4               | 8                                       |                            | grey ● FID1208 |                  |          | 16              | 8              | 2.8            | 0.2            | 4.8            | 0.3            | 500          |
| 12  | 4               | 10                                      |                            | grey ● FID1210 |                  |          | 18              | 10             | 2.8            | 0.2            | 4.8            | 0.3            | 500          |
| 12  | 4               | 12                                      |                            | grey ● FID1212 |                  |          | 20              | 12             | 2.8            | 0.2            | 4.8            | 0.3            | 500          |
| 12  | 4               | 18                                      |                            | grey ● FID1218 |                  |          | 26              | 18             | 2.8            | 0.2            | 4.8            | 0.3            | 100          |
| 10  | 6               | 12                                      | black                      | ● FII1012      | yellow ● FID1012 |          | 20              | 12             | 3.5            | 0.2            | 6.3            | 0.3            | 100          |
| 10  | 6               | 18                                      | black                      | ● FII1018      | yellow ● FID1018 |          | 26              | 18             | 3.5            | 0.2            | 6.3            | 0.3            | 100          |
| 8   | 10              | 12                                      | ivory                      | ● FII0812      | red ● FID0812    |          | 22              | 12             | 4.5            | 0.2            | 7.6            | 0.4            | 100          |
| 8   | 10              | 18                                      | ivory                      | ● FII0818      | red ● FID0818    |          | 28              | 18             | 4.5            | 0.2            | 7.6            | 0.4            | 100          |
| 6   | 16              | 12                                      | green                      | ● FII0612      | blue ● FID0612   |          | 22              | 12             | 5.8            | 0.2            | 8.8            | 0.4            | 100          |
| 6   | 16              | 18                                      | green                      | ● FII0618      | blue ● FID0618   |          | 28              | 18             | 5.8            | 0.2            | 8.8            | 0.4            | 100          |
| 4   | 25              | 16                                      | brown                      | ● FII0416      | yellow ● FID0416 |          | 30              | 16             | 7.3            | 0.2            | 11.2           | 0.4            | 50           |
| 4   | 25              | 18                                      | brown                      | ● FII0418      | yellow ● FID0418 |          | 32              | 18             | 7.3            | 0.2            | 11.2           | 0.4            | 50           |
| 4   | 25              | 22                                      | brown                      | ● FII0422      | yellow ● FID0422 |          | 36              | 22             | 7.3            | 0.2            | 11.2           | 0.4            | 50           |
| 2   | 35              | 16                                      | beige                      | ● FII0216      | red ● FID0216    |          | 30              | 16             | 8.3            | 0.2            | 12.7           | 0.4            | 50           |
| 2   | 35              | 18                                      | beige                      | ● FII0218      | red ● FID0218    |          | 32              | 18             | 8.3            | 0.2            | 12.7           | 0.4            | 50           |
| 2   | 35              | 25                                      | beige                      | ● FII0225      | red ● FID0225    |          | 39              | 25             | 8.3            | 0.2            | 12.7           | 0.4            | 50           |
| 1   | 50              | 20                                      | olive                      | ● FII0120      | blue ● FID0120   |          | 36              | 20             | 10.3           | 0.3            | 15             | 0.5            | 50           |
| 1   | 50              | 25                                      | olive                      | ● FII0125      | blue ● FID0125   |          | 41              | 25             | 10.3           | 0.3            | 15             | 0.5            | 50           |
| 1   | 50              | 30                                      | olive                      | ● FII0130      | blue ● FID0130   |          | 46              | 30             | 10.3           | 0.3            | 15             | 0.5            | 50           |

### Smaller Package Sizes

|    |      |    |            |                 |                   |  |    |    |      |      |     |      |     |
|----|------|----|------------|-----------------|-------------------|--|----|----|------|------|-----|------|-----|
| 26 | 0.14 | 6  | grey       | ● FII2606M      |                   |  | 10 | 6  | 0.6  | 0.15 | 1.5 | 0.25 | 100 |
| 26 | 0.14 | 8  | grey       | ● FII2608M      |                   |  | 12 | 8  | 0.6  | 0.15 | 1.5 | 0.25 | 100 |
| 24 | 0.25 | 6  | light blue | ● FII2406M      |                   |  | 10 | 6  | 0.85 | 0.15 | 1.8 | 0.25 | 100 |
| 24 | 0.25 | 8  | light blue | ● FII2408M      |                   |  | 12 | 8  | 0.85 | 0.15 | 1.8 | 0.25 | 100 |
| 24 | 0.25 | 12 | light blue | ● FII2412M      |                   |  | 16 | 12 | 0.85 | 0.15 | 1.8 | 0.25 | 100 |
| 22 | 0.34 | 6  | turquoise  | ● FII2206M      |                   |  | 10 | 6  | 0.85 | 0.15 | 2   | 0.25 | 100 |
| 22 | 0.34 | 8  | turquoise  | ● FII2208M      |                   |  | 12 | 8  | 0.85 | 0.15 | 2   | 0.25 | 100 |
| 22 | 0.34 | 12 | turquoise  | ● FII2212M      |                   |  | 16 | 12 | 0.85 | 0.15 | 2   | 0.25 | 100 |
| 20 | 0.5  | 6  | orange     | ● FII2006M      | white ○ FID2006M  |  | 12 | 6  | 1    | 0.15 | 2.6 | 0.25 | 100 |
| 20 | 0.5  | 8  | orange     | ● FII2008M      | white ○ FID2008M  |  | 14 | 8  | 1    | 0.15 | 2.6 | 0.25 | 100 |
| 20 | 0.5  | 10 | orange     | ● FII2010M      | white ○ FID2010M  |  | 16 | 10 | 1    | 0.15 | 2.6 | 0.25 | 100 |
| 20 | 0.5  | 12 | orange     | ● FII2012M      | white ○ FID2012M  |  | 18 | 12 | 1    | 0.15 | 2.6 | 0.25 | 100 |
| 18 | 0.75 | 6  | white      | ○ FII1806WM     | grey ● FID1806GRM |  | 12 | 6  | 1.2  | 0.15 | 2.8 | 0.25 | 100 |
| 18 | 0.75 | 8  | white      | ○ FII1808WM     | grey ● FID1808GRM |  | 14 | 8  | 1.2  | 0.15 | 2.8 | 0.25 | 100 |
| 18 | 0.75 | 10 | white      | ○ FII1810WM     | grey ● FID1810GRM |  | 16 | 10 | 1.2  | 0.15 | 2.8 | 0.25 | 100 |
| 18 | 0.75 | 12 | white      | ○ FII1812WM     | grey ● FID1812GRM |  | 18 | 12 | 1.2  | 0.15 | 2.8 | 0.25 | 100 |
| 18 | 1    | 6  | yellow     | ● FII1806YM     | red ● FID1806RM   |  | 12 | 6  | 1.4  | 0.15 | 3   | 0.25 | 100 |
| 18 | 1    | 8  | yellow     | ● FII1808YM     | red ● FID1808RM   |  | 14 | 8  | 1.4  | 0.15 | 3   | 0.25 | 100 |
| 18 | 1    | 10 | yellow     | ● FII1810YM     | red ● FID1810RM   |  | 16 | 10 | 1.4  | 0.15 | 3   | 0.25 | 100 |
| 18 | 1    | 12 | yellow     | ● FII1812YM     | red ● FID1812RM   |  | 18 | 12 | 1.4  | 0.15 | 3   | 0.25 | 100 |
| 16 | 1.5  | 6  | red        | ● FII1606M      | black ● FID1606M  |  | 12 | 6  | 1.7  | 0.15 | 3.5 | 0.25 | 100 |
| 16 | 1.5  | 8  | red        | ● FII1608M      | black ● FID1608M  |  | 14 | 8  | 1.7  | 0.15 | 3.5 | 0.25 | 100 |
| 16 | 1.5  | 10 | red        | ● FII1610M      | black ● FID1610M  |  | 16 | 10 | 1.7  | 0.15 | 3.5 | 0.25 | 100 |
| 16 | 1.5  | 12 | red        | ● FII1612M      | black ● FID1612M  |  | 18 | 12 | 1.7  | 0.15 | 3.5 | 0.25 | 100 |
| 14 | 2.08 | 8  | yellow     | ● FII1408YM     |                   |  | 15 | 8  | 2.05 | 0.15 | 4.2 | 0.25 | 100 |
| 14 | 2.5  | 6  |            | blue ● FID1406M |                   |  | 13 | 6  | 2.2  | 0.15 | 4.2 | 0.25 | 100 |
| 14 | 2.5  | 8  |            | blue ● FID1408M |                   |  | 15 | 8  | 2.2  | 0.15 | 4.2 | 0.25 | 100 |
| 14 | 2.5  | 10 |            | blue ● FID1410M |                   |  | 17 | 10 | 2.2  | 0.15 | 4.2 | 0.25 | 100 |
| 14 | 2.5  | 12 |            | blue ● FID1412M |                   |  | 19 | 12 | 2.2  | 0.15 | 4.8 | 0.25 | 100 |
| 12 | 4    | 8  |            | grey ● FID1208M |                   |  | 16 | 8  | 2.8  | 0.2  | 4.8 | 0.3  | 50  |
| 12 | 4    | 10 |            | grey ● FID1210M |                   |  | 18 | 10 | 2.8  | 0.2  | 4.8 | 0.3  | 50  |
| 10 | 6    | 12 | black      | ● FII1012M      | yellow ● FID1012M |  | 20 | 12 | 3.5  | 0.2  | 6.3 | 0.3  | 20  |
| 8  | 10   | 12 | ivory      | ● FII0812M      | red ● FID0812M    |  | 22 | 12 | 4.5  | 0.2  | 7.6 | 0.4  | 20  |

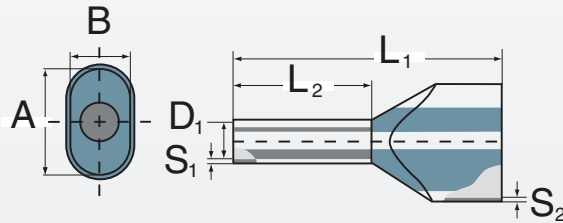
## UL RECOGNIZED TWIN INSULATED FERRULES

### Standard Packaging

| AWG    | mm <sup>2</sup> | L <sub>2</sub><br>Barrel Length<br>(mm) | Industry Standard<br>color<br>Cat. No. | DIN Standard<br>color<br>Cat. No. | Dimensions (mm) |                |                |                |                |      |     | Std.<br>Pack |
|--------|-----------------|-----------------------------------------|----------------------------------------|-----------------------------------|-----------------|----------------|----------------|----------------|----------------|------|-----|--------------|
|        |                 |                                         |                                        |                                   | L <sub>1</sub>  | L <sub>2</sub> | D <sub>1</sub> | S <sub>1</sub> | S <sub>2</sub> | A    | B   |              |
| 2 x 22 | 2 x 0.34        | 8                                       | turquoise ● FTI2208                    |                                   | 15              | 8              | 1.2            | 0.15           | 0.25           | 3.5  | 2   | 500          |
| 2 x 20 | 2 x 0.5         | 8                                       | orange ● FTI2008                       | white ○ FTD2008                   | 14              | 8              | 1.4            | 0.15           | 0.3            | 5    | 3   | 500          |
| 2 x 20 | 2 x 0.5         | 10                                      | orange ● FTI2010                       | white ○ FTD2010                   | 16              | 10             | 1.4            | 0.15           | 0.3            | 5    | 3   | 500          |
| 2 x 20 | 2 x 0.5         | 12                                      | orange ● FTI2012                       | white ○ FTD2012                   | 18              | 12             | 1.4            | 0.15           | 0.3            | 5    | 3   | 500          |
| 2 x 18 | 2 x 0.75        | 8                                       | white ○ FTI1808W                       | grey ● FTD1808GR                  | 14              | 8              | 1.7            | 0.15           | 0.3            | 5.5  | 3   | 500          |
| 2 x 18 | 2 x 0.75        | 10                                      | white ○ FTI1810                        | grey ● FTD1810                    | 16              | 10             | 1.7            | 0.15           | 0.3            | 5.5  | 3   | 500          |
| 2 x 18 | 2 x 0.75        | 12                                      | white ○ FTI1812W                       | grey ● FTD1812GR                  | 18              | 12             | 1.7            | 0.15           | 0.3            | 5.5  | 3   | 500          |
| 2 x 18 | 2 x 0.75        | 18                                      | white ○ FTI1818W                       | grey ● FTD1818GR                  | 24              | 18             | 1.7            | 0.15           | 0.3            | 5.5  | 3   | 500          |
| 2 x 18 | 2 x 1           | 8                                       | yellow ● FTI1808Y                      | red ● FTD1808R                    | 15              | 8              | 2              | 0.15           | 0.3            | 5.8  | 3.2 | 500          |
| 2 x 18 | 2 x 1           | 12                                      | yellow ● FTI1812Y                      | red ● FTD1812R                    | 19              | 12             | 2              | 0.15           | 0.3            | 5.8  | 3.2 | 500          |
| 2 x 18 | 2 x 1           | 14                                      | yellow ● FTI1814                       | red ● FTD1814                     | 21              | 14             | 2              | 0.15           | 0.3            | 5.8  | 3.2 | 500          |
| 2 x 18 | 2 x 1           | 18                                      | yellow ● FTI1818Y                      | red ● FTD1818R                    | 25              | 18             | 2              | 0.15           | 0.3            | 5.8  | 3.2 | 500          |
| 2 x 16 | 2 x 1.5         | 8                                       | red ● FTI1608                          | black ● FTD1608                   | 16              | 8              | 2.2            | 0.15           | 0.3            | 6.5  | 3.6 | 500          |
| 2 x 16 | 2 x 1.5         | 12                                      | red ● FTI1612                          | black ● FTD1612                   | 20              | 12             | 2.2            | 0.15           | 0.3            | 6.5  | 3.6 | 500          |
| 2 x 16 | 2 x 1.5         | 18                                      | red ● FTI1618                          | black ● FTD1618                   | 26              | 18             | 2.2            | 0.15           | 0.3            | 6.6  | 3.6 | 100          |
| 2 x 14 | 2 x 2.5         | 10                                      | blue ● FTD1410                         |                                   | 19              | 10             | 2.8            | 0.15           | 0.4            | 8    | 4.5 | 500          |
| 2 x 14 | 2 x 2.5         | 12                                      | blue ● FTD1412                         |                                   | 21              | 12             | 2.8            | 0.15           | 0.4            | 8    | 4.5 | 100          |
| 2 x 14 | 2 x 2.5         | 18                                      | blue ● FTD1418                         |                                   | 27              | 18             | 2.8            | 0.15           | 0.4            | 8    | 4.5 | 100          |
| 2 x 12 | 2 x 4           | 12                                      | grey ● FTD1212                         |                                   | 22              | 12             | 3.5            | 0.2            | 0.5            | 9    | 5.2 | 100          |
| 2 x 12 | 2 x 4           | 18                                      | grey ● FTD1218                         |                                   | 28              | 18             | 3.5            | 0.2            | 0.5            | 9    | 5.2 | 100          |
| 2 x 10 | 2 x 6           | 12                                      | black ● FTI1012                        | yellow ● FTD1012                  | 23              | 12             | 4.5            | 0.2            | 0.5            | 11.4 | 6.2 | 100          |
| 2 x 10 | 2 x 6           | 18                                      | black ● FTI1018                        | yellow ● FTD1018                  | 29              | 18             | 4.5            | 0.2            | 0.5            | 11.4 | 6.2 | 100          |
| 2 x 8  | 2 x 10          | 12                                      | ivory ● FTI0812                        | red ● FTD0812                     | 24              | 12             | 5.8            | 0.2            | 0.5            | 13.4 | 7.6 | 100          |
| 2 x 8  | 2 x 10          | 18                                      | ivory ● FTI0818                        | red ● FTD0818                     | 30              | 18             | 5.8            | 0.2            | 0.5            | 13.4 | 7.6 | 100          |
| 2 x 6  | 2 x 16          | 16                                      | olive ● FTI0616                        | blue ● FTD0616                    | 29              | 16             | 8.3            | 0.3            | 0.6            | 17.2 | 9.5 | 50           |
| 2 x 6  | 2 x 16          | 25                                      | olive ● FTI0625                        | blue ● FTD0625                    | 38              | 25             | 8.3            | 0.3            | 0.6            | 17.2 | 9.5 | 50           |

### Smaller Package Sizes

|        |          |    |                      |                   |    |    |     |      |      |      |     |     |
|--------|----------|----|----------------------|-------------------|----|----|-----|------|------|------|-----|-----|
| 2 x 22 | 2 x 0.34 | 8  | turquoise ● FTI2208M |                   | 15 | 8  | 1.2 | 0.15 | 0.25 | 3.5  | 2   | 100 |
| 2 x 20 | 2 x 0.5  | 8  | orange ● FTI2008M    | white ○ FTD2008M  | 14 | 8  | 1.4 | 0.15 | 0.3  | 5    | 3   | 100 |
| 2 x 20 | 2 x 0.5  | 10 | orange ● FTI2010M    | white ○ FTD2010M  | 16 | 10 | 1.4 | 0.15 | 0.3  | 5    | 3   | 100 |
| 2 x 20 | 2 x 0.5  | 12 | orange ● FTI2012M    | white ○ FTD2012M  | 18 | 12 | 1.4 | 0.15 | 0.3  | 5    | 3   | 100 |
| 2 x 18 | 2 x 0.75 | 8  | white ○ FTI1808WM    | grey ● FTD1808GRM | 14 | 8  | 1.7 | 0.15 | 0.3  | 5.5  | 3   | 100 |
| 2 x 18 | 2 x 0.75 | 10 | white ○ FTI1810M     | grey ● FTD1810M   | 16 | 10 | 1.7 | 0.15 | 0.3  | 5.5  | 3   | 100 |
| 2 x 18 | 2 x 0.75 | 12 | white ○ FTI1812WM    | grey ● FTD1812GRM | 18 | 12 | 1.7 | 0.15 | 0.3  | 5.5  | 3   | 100 |
| 2 x 18 | 2 x 1    | 8  | yellow ● FTI1808YM   | red ● FTD1808RM   | 15 | 8  | 2   | 0.15 | 0.3  | 5.8  | 3.2 | 100 |
| 2 x 18 | 2 x 1    | 12 | yellow ● FTI1812YM   | red ● FTD1812RM   | 19 | 12 | 2   | 0.15 | 0.3  | 5.8  | 3.2 | 100 |
| 2 x 16 | 2 x 1.5  | 8  | red ● FTI1608M       | black ● FTD1608M  | 16 | 8  | 2.2 | 0.15 | 0.3  | 6.5  | 3.6 | 100 |
| 2 x 16 | 2 x 1.5  | 12 | red ● FTI1612M       | black ● FTD1612M  | 20 | 12 | 2.2 | 0.15 | 0.3  | 6.5  | 3.6 | 100 |
| 2 x 14 | 2 x 2.5  | 10 | blue ● FTD1410M      |                   | 19 | 10 | 2.8 | 0.15 | 0.4  | 8    | 4.5 | 50  |
| 2 x 14 | 2 x 2.5  | 12 | blue ● FTD1412M      |                   | 21 | 12 | 2.8 | 0.15 | 0.4  | 8    | 4.5 | 50  |
| 2 x 12 | 2 x 4    | 12 | grey ● FTD1212M      |                   | 22 | 12 | 3.5 | 0.2  | 0.5  | 9    | 5.2 | 20  |
| 2 x 10 | 2 x 6    | 12 | black ● FTI1012M     | yellow ● FTD1012M | 23 | 12 | 4.5 | 0.2  | 0.5  | 11.4 | 6.2 | 20  |
| 2 x 8  | 2 x 10   | 12 | ivory ● FTI0812M     | red ● FTD0812M    | 24 | 12 | 5.8 | 0.2  | 0.5  | 13.4 | 7.6 | 20  |



### Pull-Out Force Minimum Values for DIN

Minimum values of pull-out forces for FERRULES according to DIN EN 60947-1:2008, DIN EN 60999-1:2000 and DIN EN 60999-2:2004

| Conductor      | AWG             | 24   | 22   | 20   | 18   | 18  | 16  | 14  | 12  | 10  | 8  | 6   | 4   | 2   | 0   | 00  | 000 | 250   | 300   | 350   | 500   | 600   |
|----------------|-----------------|------|------|------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
|                |                 |      |      |      |      |     |     |     |     |     |    |     |     |     |     |     |     | kcmil | kcmil | kcmil | kcmil | kcmil |
| Cross Section  | mm <sup>2</sup> | 0,20 | 0,34 | 0,50 | 0,75 | 1,0 | 1,5 | 2,5 | 4,0 | 6,0 | 10 | 16  | 25  | 35  | 50  | 70  | 95  | 120   | 150   | 185   | 240   | 300   |
| Pull Out Force | N               | 10   | 15   | 20   | 30   | 35  | 40  | 50  | 60  | 80  | 90 | 100 | 135 | 190 | 236 | 285 | 351 | 427   | 427   | 503   | 578   | 578   |

### Pull-Out Force Minimum Values for UL486F

| Conductor      | AWG             | 24   | 22   | 20   | 18   | 18  | 16  | 14   | 12   | 10  | 8    | 6    | 4    | 2    |
|----------------|-----------------|------|------|------|------|-----|-----|------|------|-----|------|------|------|------|
| Cross Section  | mm <sup>2</sup> | 0,20 | 0,34 | 0,50 | 0,75 | 1,0 | 1,5 | 2,5  | 4,0  | 6,0 | 10   | 16   | 25   | 35   |
| Pull Out Force | N               | 20   | 20   | 20   | 30   | 35  | 40  | 50   | 60   | 80  | 90   | 100  | 135  | 190  |
|                | Pounds          | 4.5  | 4.5  | 4.5  | 6.7  | 7.9 | 9.0 | 11.2 | 13.5 | 18  | 20.2 | 22.5 | 30.3 | 42.7 |

## HIGHLIGHTS

### FEATURES

Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices. Insulated ferrules prevent conductor breakage due to bending, wire stress or vibration while facilitating wire insertion into the terminal clamp.

Altech's UL insulated ferrules are color coded by conductor size for convenient identification.

To ensure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire and use only professional crimping tools.

In order meet the UL requirements only matching UL crimpers should be use.





These crimpers are specifically designed for use with ferrules and have been tested with our UL Recognized ferrules to insure proper termination. In order to meet the UL requires, the correct sized crimper from this range should be used.



### Crimpit F 4

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with or without plastic collars. Only one crimping profile for the entire cross-section range.

**Ferrules:** 0,5 – 4 mm<sup>2</sup> (20 – 12 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 2.5 mm<sup>2</sup> (2 x 20 – 2 x 14 AWG)

**Cat. No.:** Crimpit F 4

Weight 448 g



### Crimpit F 6 Auto

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Feeding from front.

**Ferrules:** 0,5 – 6 mm<sup>2</sup> (20 – 10 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 2.5 mm<sup>2</sup> (2 x 20 – 2 x 14 AWG)

**Cat. No.:** Crimpit F 6 Auto

Weight 426 g



### Crimpit F 6 Gyra

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Rotatable crimp die for feeding from the front or the side.

**Ferrules:** 0,14 – 6 mm<sup>2</sup> (26 – 10 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 4 mm<sup>2</sup> (2 x 20 – 2 x 12 AWG)

**Cat. No.:** Crimpit F 6 Gyra

Weight 428 g



### Crimpit F 6 EN

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Five crimping profiles for the rated conductor cross-sections. Registration in accordance with VG 95211 (Military designation VG 95236 T 14 A 0001).

**Ferrules:** 0.25 – 6 mm<sup>2</sup> (24 – 10 AWG)

**Twin Ferrules:** 2 x 0.75 – 2 x 4 mm<sup>2</sup> (2 x 18 – 2 x 12 AWG)

**Cat. No.:** Crimpit F 6 EN

Weight 423 g



### Crimpit F 6 L

Crimping tool for ferrules (conforming to DIN 46228 part 1 and 2) with and without insulating collar. Five crimping profiles depending on the wire cross-sections.

**Ferrules:** 0.5 – 6 mm<sup>2</sup> (20 – 10 AWG)

**Twin Ferrules:** 2 x 0.75 – 2 x 4 mm<sup>2</sup> (2 x 18 – 2 x 12 AWG)

**Cat. No.:** Crimpit F 6 L

Weight 335 g

## CRIMPERS FOR UL FERRULES



### Crimpit F 16

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Three crimping profiles for the rated conductor cross-sections. Registration in accordance with VG 95211 (Military designation VG 95236 T 14 A 0002).

**Ferrules:** 6 – 16 mm<sup>2</sup> (10 – 6 AWG)

**Cat. No.:** Crimpit F 16

Weight 418 g



### Crimpit F 16 L

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Three crimping profiles for the rated conductor cross-sections.

**Ferrules:** 6 – 16 mm<sup>2</sup> (10 – 6 AWG)

**Cat. No.:** Crimpit F 16 L

Weight 380 g



### Crimpit F 25 L

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) as well as for twin ferrules.

**Ferrules:** 6 – 25 mm<sup>2</sup> (10 – 4 AWG)

**Twin Ferrules:** 2 x 4 – 2 x 10 mm<sup>2</sup> (2 x 12 – 2 x 8 AWG)

**Cat. No.:** Crimpit F 25 L

Weight 540 g



### Crimpit F 50 L

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) as well as for twin ferrules.

**Ferrules:** 35 – 50 mm<sup>2</sup> (2 – 1 AWG)

**Twin Ferrules:** 2 x 16 mm<sup>2</sup> (2 x 6 AWG)

**Cat. No.:** Crimpit F 50 L

Weight 540 g

## Crimper Selection Guide

| Single Wire |                 | Dual Wire |                 | Crimpit F4 | Crimpit F6 Gyra | Crimpit F6 EN | Crimpit F6 Auto | Crimpit F6L | Crimpit F16/F16L | Crimpit F25L | Crimpit F50L |
|-------------|-----------------|-----------|-----------------|------------|-----------------|---------------|-----------------|-------------|------------------|--------------|--------------|
| AWG         | mm <sup>2</sup> | AWG       | mm <sup>2</sup> |            |                 |               |                 |             |                  |              |              |
| 26          | 0.14            |           |                 |            |                 |               |                 |             |                  |              |              |
| 24          | 0.25            |           |                 |            |                 |               |                 |             |                  |              |              |
| 22          | 0.34            |           |                 |            |                 |               |                 |             |                  |              |              |
| 20          | 0.5             |           |                 |            |                 |               |                 |             |                  |              |              |
| 18          | 0.75            | 2 x 22    | 2 x 0.34        |            |                 |               |                 |             |                  |              |              |
| 18          | 1.0             | 2 x 20    | 2 x 0.5         |            |                 |               |                 |             |                  |              |              |
| 16          | 1.5             | 2 x 18    | 2 x 0.75        |            |                 |               |                 |             |                  |              |              |
| 14          | 2.5             | 2 x 16    | 2 x 1.5         |            |                 |               |                 |             |                  |              |              |
| 12          | 4               | 2 x 14    | 2 x 2.5         |            |                 |               |                 |             |                  |              |              |
| 10          | 6               | 2 x 12    | 2 x 4           |            |                 |               |                 |             |                  |              |              |
| 8           | 10              | 2 x 8     | 2 x 6           |            |                 |               |                 |             |                  |              |              |
| 6           | 16              |           |                 |            |                 |               |                 |             |                  |              |              |
| 4           | 25              | 2 x 6     | 2 x 10          |            |                 |               |                 |             |                  |              |              |
| 2           | 35              |           |                 |            |                 |               |                 |             |                  |              |              |
| 1           | 50              |           |                 |            |                 |               |                 |             |                  |              |              |

### Cutter, Stripper and Crimper

This one tool will cut and strip the wires and uses belt feed ferrules for fast and easy installation.



#### Crimpit F Multi

Multi-function tool. Stripping and cutting of wires. Crimping tool for insulated belt-strip ferrules according to DIN 40228.

**Cross-section:** 0.5 – 2.5 mm<sup>2</sup> (20 – 14 AWG)

**Ferrules:** 0.5 x 2.5 mm<sup>2</sup> (20 x 14 AWG)

**Cat. No.:** Crimpit F Multi

Weight 200 g

### UL Recognized Insulated Belt Strip Ferrules

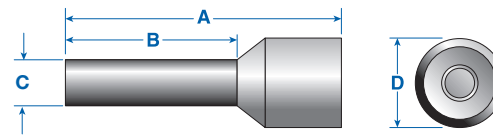
| AWG | mm <sup>2</sup> | Barrel Length (mm) | Industry Standard color | Industry Standard Cat. No. | DIN Standard color | DIN Standard Cat. No. | Std. Pack |
|-----|-----------------|--------------------|-------------------------|----------------------------|--------------------|-----------------------|-----------|
| 20  | 0.5             | 8                  | orange                  | ● FII2008B                 | white              | ○ FID2008B            | 10 x 50   |
| 18  | 0.75            | 8                  | white                   | ○ FII1808WB                | grey               | ● FID1808GRB          | 10 x 50   |
| 18  | 1               | 8                  | yellow                  | ● FII1808YB                | red                | ● FID1808RB           | 10 x 50   |
| 16  | 1.5             | 8                  | red                     | ● FII1608B                 | black              | ● FID1608B            | 10 x 50   |
| 14  | 2.5             | 8                  |                         | blue ● FID1408B            |                    |                       | 10 x 50   |

### AUTOMATED FERRULE CRIMPING MACHINES



*For technical and ordering information regarding Ferrule Crimping Machines please contact Altech.*

Original Industry Standard Ferrules



Tested According To:

- CSA Std C22.2 No. 65-93 - Wire Connectors
- CSA Std C22.2 No. 188-M1983 - Splicing Wire and Cable Connectors
- ANSI/UL Std No. 486A - Wire Connectors and Soldering Lugs for Use with Copper Conductors
- ANSI/UL Std No. 486C - Splicing Wire Connectors

|  | AWG    | mm <sup>2</sup> | Color     | Cat. No. | Barrel Length (B) mm | Ferrule Dimensions mm |    |      |      | Std. Pack* |
|--|--------|-----------------|-----------|----------|----------------------|-----------------------|----|------|------|------------|
|  |        |                 |           |          |                      | A                     | B  | C    | D    |            |
|  | 24     | 0.25            | Lt. Blue  | 2620.0   | 6                    | 10                    | 6  | 1.2  | 2.3  | 500/100    |
|  | 24     | 0.25            | Lt. Blue  | 2621.0   | 8                    | 12                    | 8  | 1.2  | 2.3  | 500/100    |
|  | 22     | 0.34            | Turquoise | 2622.0   | 6                    | 10                    | 6  | 1.2  | 2.5  | 500/100    |
|  | 22     | 0.34            | Turquoise | 2623.0   | 8                    | 12                    | 8  | 1.2  | 2.5  | 500/100    |
|  | 20     | 0.5             | Orange    | 2397.0   | 6                    | 12                    | 6  | 1.3  | 2.8  | 500/100    |
|  | 20     | 0.5             | Orange    | 2201.0   | 8                    | 14                    | 8  | 1.3  | 2.8  | 500/100    |
|  | 18     | 0.75            | White     | 2398.0   | 6                    | 12                    | 6  | 1.5  | 3.3  | 500/100    |
|  | 18     | 0.75            | White     | 2202.0   | 8                    | 14                    | 8  | 1.5  | 3.3  | 500/100    |
|  | 18     | 1               | Yellow    | 2399.0   | 6                    | 12                    | 6  | 1.7  | 3.5  | 500/100    |
|  | 18     | 1               | Yellow    | 2203.0   | 8                    | 14                    | 8  | 1.7  | 3.5  | 500/100    |
|  | 16     | 1.5             | Red       | 2204.0   | 8                    | 14                    | 8  | 2.0  | 4.0  | 500/100    |
|  | 16     | 1.5             | Red       | 2400.0   | 10                   | 16                    | 10 | 2.0  | 4.0  | 500/100    |
|  | 16     | 1.5             | Red       | 2205.0   | 18                   | 24                    | 18 | 2.0  | 4.0  | 500/100    |
|  | 14     | 2.5             | Blue      | 2206.0   | 8                    | 14                    | 8  | 2.5  | 4.7  | 500/100    |
|  | 14     | 2.5             | Blue      | 2401.0   | 12                   | 18                    | 12 | 2.5  | 4.7  | 500/100    |
|  | 14     | 2.5             | Blue      | 2207.0   | 18                   | 24                    | 18 | 2.5  | 4.7  | 500/100    |
|  | 12     | 4               | Gray      | 2208.0   | 10                   | 17                    | 10 | 3.2  | 5.4  | 500/100    |
|  | 12     | 4               | Gray      | 2402.0   | 12                   | 20                    | 12 | 3.2  | 5.4  | 500/100    |
|  | 12     | 4               | Gray      | 2209.0   | 18                   | 26                    | 18 | 3.2  | 5.4  | 100        |
|  | 10     | 6               | Black     | 2210.0   | 12                   | 20                    | 12 | 3.9  | 6.9  | 100        |
|  | 10     | 6               | Black     | 2211.0   | 18                   | 26                    | 18 | 3.9  | 6.9  | 100        |
|  | 8      | 10              | Ivory     | 2212.0   | 12                   | 22                    | 12 | 4.9  | 8.4  | 100        |
|  | 8      | 10              | Ivory     | 2213.0   | 18                   | 28                    | 18 | 4.9  | 8.4  | 100        |
|  | 6      | 16              | Green     | 2214.0   | 12                   | 24                    | 12 | 6.2  | 9.6  | 100        |
|  | 6      | 16              | Green     | 2215.0   | 18                   | 28                    | 18 | 6.2  | 9.6  | 100        |
|  | 4      | 25              | Brown     | 2267.0   | 18                   | 30                    | 18 | 7.7  | 12.0 | 50         |
|  | 4      | 25              | Brown     | 2272.0   | 22                   | 36                    | 22 | 7.7  | 12.0 | 50         |
|  | 2      | 35              | Beige     | 2276.0   | 18                   | 30                    | 18 | 8.7  | 13.5 | 50         |
|  | 2      | 35              | Beige     | 2390.0   | 25                   | 39                    | 25 | 8.7  | 13.5 | 50         |
|  | 1      | 50              | Olive     | 2500.0   | 20                   | 36                    | 20 | 10.9 | 16.0 | 50         |
|  | 2/0    | 70              | Yellow    | 2786.0   | 20                   | 37                    | 20 | 13.4 | 17.0 | 25         |
|  | 3/0    | 95              | Red       | 2787.0   | 25                   | 44                    | 25 | 15.4 | 19.0 | 5          |
|  | 4/0    | 120             | Blue      | 2788.0   | 27                   | 48                    | 27 | 17.6 | 22.4 | 25         |
|  | 250MCM | 150             | Yellow    | 2789.0   | 32                   | 58                    | 32 | 20.5 | 25.0 | 25         |

HIGHLIGHTS

FEATURES

Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices. Insulated ferrules prevent conductor breakage due to bending, wire stress or vibration while facilitating wire insertion into the terminal clamp.

Altech's standard insulated ferrules are color coded by conductor size for convenient identification.

To ensure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire and use only professional crimping tools.

- Sleeve: polypropylene
- Tube: tin-plated copper

**CRIMPER  
SELECTOR  
GUIDE**  
page 18

\* Different standard packs are available as shown. To order the desired standard pack, please use the quantity required as a suffix to the cat. no.  
Example for 100 standard pack: Cat. No. 2620.0/100

### HIGHLIGHTS

#### FEATURES

Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices.

Insulated ferrules prevent conductor breakage due to bending, wire stress or vibration while facilitating wire insertion into the terminal clamp.

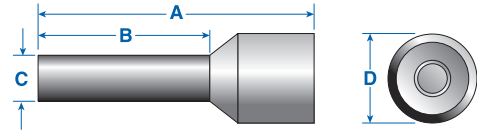
Altech's DIN standard ferrules are in compliance with DIN requirements, making them ideal for export applications. They also have a specified color code convention that differs from the color code used for Altech's industry standard ferrules.

To ensure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire and use only professional crimping tools.

- Sleeve: polypropylene
- Tube: tin plated copper

**CRIMPER  
SELECTOR  
GUIDE**  
page 18

### Original DIN Standard Ferrules



#### Tested According To:

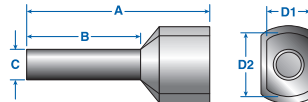
- |                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| CSA Std C22.2 No. 65-93     | - Wire Connectors                                                   |
| CSA Std C22.2 No. 188-M1983 | - Splicing Wire and Cable Connectors                                |
| ANSI/UL Std No. 486A        | - Wire Connectors and Soldering Lugs for Use with Copper Conductors |
| ANSI/UL Std No. 486C        | - Splicing Wire Connectors                                          |

|  | AWG | mm <sup>2</sup> | Cat. Color | No.    | Barrel Length (B) mm | Ferrule Dimensions mm |    |      |      | Std. Pack* |
|--|-----|-----------------|------------|--------|----------------------|-----------------------|----|------|------|------------|
|  |     |                 |            |        |                      | A                     | B  | C    | D    |            |
|  | 20  | 0.50            | White      | 2863.0 | 6                    | 12                    | 6  | 1.3  | 2.8  | 500/100    |
|  | 20  | 0.50            | White      | 2864.0 | 8                    | 14                    | 8  | 1.3  | 2.8  | 500/100    |
|  | 20  | 0.50            | White      | 2865.0 | 10                   | 16                    | 10 | 1.3  | 2.8  | 500/100    |
|  | 18  | 0.75            | Gray       | 2866.0 | 6                    | 12                    | 6  | 1.5  | 3.3  | 500/100    |
|  | 18  | 0.75            | Gray       | 2867.0 | 8                    | 14                    | 8  | 1.5  | 3.3  | 500/100    |
|  | 18  | 0.75            | Gray       | 2868.0 | 10                   | 16                    | 10 | 1.5  | 3.3  | 500/100    |
|  | 18  | 0.75            | Gray       | 2869.0 | 12                   | 18                    | 12 | 1.5  | 3.3  | 500/100    |
|  | 18  | 1               | Red        | 2870.0 | 6                    | 12                    | 6  | 1.7  | 3.5  | 500/100    |
|  | 18  | 1               | Red        | 2871.0 | 8                    | 14                    | 8  | 1.7  | 3.5  | 500/100    |
|  | 18  | 1               | Red        | 2872.0 | 10                   | 16                    | 10 | 1.7  | 3.5  | 500/100    |
|  | 18  | 1               | Red        | 2840.0 | 12                   | 18                    | 12 | 1.7  | 3.5  | 500/100    |
|  | 16  | 1.5             | Black      | 2841.0 | 8                    | 14                    | 8  | 2    | 4    | 500/100    |
|  | 16  | 1.5             | Black      | 2842.0 | 10                   | 16                    | 10 | 2    | 4    | 500/100    |
|  | 16  | 1.5             | Black      | 2843.0 | 12                   | 18                    | 12 | 2    | 4    | 500/100    |
|  | 16  | 1.5             | Black      | 2844.0 | 18                   | 24                    | 18 | 2    | 4    | 500/100    |
|  | 14  | 2.5             | Blue       | 2845.0 | 8                    | 14                    | 8  | 2.5  | 4.7  | 500/100    |
|  | 14  | 2.5             | Blue       | 2846.0 | 12                   | 18                    | 12 | 2.5  | 4.7  | 500/100    |
|  | 14  | 2.5             | Blue       | 2847.0 | 18                   | 24                    | 18 | 2.5  | 4.7  | 500/100    |
|  | 12  | 4               | Gray       | 2848.0 | 10                   | 17                    | 10 | 3.2  | 5.4  | 500/100    |
|  | 12  | 4               | Gray       | 2849.0 | 12                   | 20                    | 12 | 3.2  | 5.4  | 500/100    |
|  | 12  | 4               | Gray       | 2850.0 | 18                   | 26                    | 18 | 3.2  | 5.4  | 100        |
|  | 10  | 6               | Yellow     | 2851.0 | 12                   | 20                    | 12 | 3.9  | 6.9  | 100        |
|  | 10  | 6               | Yellow     | 2852.0 | 18                   | 26                    | 18 | 3.9  | 6.9  | 100        |
|  | 8   | 10              | Red        | 2853.0 | 12                   | 22                    | 12 | 4.9  | 8.4  | 100        |
|  | 8   | 10              | Red        | 2854.0 | 18                   | 28                    | 18 | 4.9  | 8.4  | 100        |
|  | 6   | 16              | Blue       | 2855.0 | 12                   | 24                    | 12 | 6.2  | 9.6  | 100        |
|  | 6   | 16              | Blue       | 2856.0 | 18                   | 28                    | 18 | 6.2  | 9.6  | 100        |
|  | 4   | 25              | Yellow     | 2857.0 | 18                   | 30                    | 18 | 7.7  | 12   | 50         |
|  | 4   | 25              | Yellow     | 2858.0 | 22                   | 36                    | 22 | 7.7  | 12   | 50         |
|  | 2   | 35              | Red        | 2859.0 | 18                   | 30                    | 18 | 8.7  | 13.5 | 50         |
|  | 2   | 35              | Red        | 2860.0 | 25                   | 39                    | 25 | 8.7  | 13.5 | 50         |
|  | 1   | 50              | Blue       | 2861.0 | 20                   | 36                    | 20 | 10.9 | 16   | 50         |

\* Different standard packs are available as shown. To order the desired standard pack, please use the quantity required as a suffix to the cat. no.  
Example for 100 standard pack: Cat. No. 2863.0/100



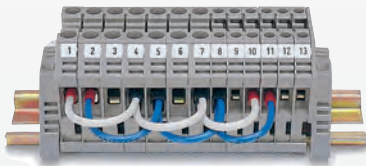
**Original Dual Wire Ferrules**



**Tested According To:**

- CSA Std C22.2 No. 65-93 - Wire Connectors
- CSA Std C22.2 No. 188-M1983 - Splicing Wire and Cable Connectors
- ANSI/UL Std No. 486A - Wire Connectors and Soldering Lugs for Use with Copper Conductors
- ANSI/UL Std No. 486C - Splicing Wire Connectors

| Wires x AWG | mm²    | Color  | Cat. No. | Barrel Length (B) mm | Ferrule Dimensions mm |     |     |     |      | Std. Pack* |
|-------------|--------|--------|----------|----------------------|-----------------------|-----|-----|-----|------|------------|
|             |        |        |          |                      | A                     | B   | C   | D1  | D2   |            |
| 2x20        | 2x0.50 | White  | 2794.0   | 11                   | 14.6                  | 8.2 | 1.7 | 3   | 5    | 500/100    |
| 2x18        | 2x0.75 | Gray   | 2775.0   | 11                   | 14.6                  | 8.2 | 2.0 | 3   | 5.5  | 500/100    |
| 2x18        | 2x0.75 | Gray   | 2795.0   | 13                   | 16.4                  | 10  | 2.0 | 3   | 5.5  | 500/100    |
| 2x18        | 2x1    | Red    | 2776.0   | 11                   | 15.4                  | 8.2 | 2.4 | 3.2 | 5.8  | 500/100    |
| 2x18        | 2x1    | Red    | 2796.0   | 21                   | 25.2                  | 18  | 2.4 | 3.2 | 5.8  | 500/100    |
| 2x16        | 2x1.5  | Black  | 2777.0   | 12                   | 15.8                  | 8.2 | 2.6 | 3.6 | 6.5  | 500/100    |
| 2x16        | 2x1.5  | Black  | 2797.0   | 16                   | 19.6                  | 12  | 2.6 | 3.6 | 6.5  | 500/100    |
| 2x14        | 2x2.5  | Blue   | 2778.0   | 14                   | 18.5                  | 10  | 3.3 | 4.5 | 8    | 500/100    |
| 2x14        | 2x2.5  | Blue   | 2798.0   | 17                   | 20.5                  | 12  | 3.3 | 4.5 | 8    | 500/100    |
| 2x12        | 2x4    | Gray   | 2799.0   | 16                   | 22                    | 12  | 3.9 | 5.2 | 9    | 100        |
| 2x10        | 2x6    | Yellow | 2800.0   | 18                   | 23                    | 12  | 5   | 6.2 | 11.4 | 100        |
| 2x8         | 2x10   | Red    | 2801.0   | 18                   | 24                    | 12  | 6.2 | 7.6 | 13.4 | 100        |
| 2x6         | 2x16   | Blue   | 2802.0   | 20                   | 29                    | 16  | 8.9 | 9.5 | 17.2 | 100/50     |



\* Different standard packs are available for many ferrules. To order the desired standard pack, please use the quantity required as a suffix to the Cat. No.

*Example: Cat. No. 2794.0/100 for a standard pack of 100*

| Ferrule Qty.                   | AWG | mm²  | Ferrule Cat. No. | Ferrule Color | Type         | Cat. No.      | Std. Pack |
|--------------------------------|-----|------|------------------|---------------|--------------|---------------|-----------|
| <b>AB1-S Industry Standard</b> |     |      |                  |               | <b>AB1-S</b> | <b>2884.9</b> | <b>1</b>  |
| 50                             | 20  | 0.5  | 2201.0           | Orange        |              |               |           |
| 100                            | 20  | 0.75 | 2202.0           | White         |              |               |           |
| 100                            | 18  | 1    | 2399.0           | Yellow        |              |               |           |
| 100                            | 16  | 1.5  | 2204.0           | Red           |              |               |           |
| 50                             | 14  | 2.5  | 2206.0           | Blue          |              |               |           |
| <b>AB2-S Industry Standard</b> |     |      |                  |               | <b>AB2-S</b> | <b>2885.9</b> | <b>1</b>  |
| 50                             | 12  | 4    | 2208.0           | Gray          |              |               |           |
| 20                             | 10  | 6    | 2210.0           | Black         |              |               |           |
| 20                             | 8   | 10   | 2212.0           | Ivory         |              |               |           |
| 10                             | 6   | 16   | 2214.0           | Green         |              |               |           |
| <b>AB1-D DIN Standard</b>      |     |      |                  |               | <b>AB1-D</b> | <b>2884.0</b> | <b>1</b>  |
| 50                             | 20  | 0.5  | 2864.0           | White         |              |               |           |
| 100                            | 20  | 0.75 | 2867.0           | Gray          |              |               |           |
| 100                            | 18  | 1    | 2871.0           | Red           |              |               |           |
| 100                            | 16  | 1.5  | 2841.0           | Black         |              |               |           |
| 50                             | 14  | 2.5  | 2845.0           | Blue          |              |               |           |
| <b>AB2-D DIN Standard</b>      |     |      |                  |               | <b>AB2-D</b> | <b>2885.0</b> | <b>1</b>  |
| 50                             | 12  | 4    | 2848.0           | Gray          |              |               |           |
| 20                             | 10  | 6    | 2851.0           | Yellow        |              |               |           |
| 20                             | 8   | 10   | 2853.0           | Red           |              |               |           |
| 10                             | 6   | 16   | 2855.0           | Blue          |              |               |           |

**HIGHLIGHTS**

**FEATURES**

**Dual Wire Insulated**

Dual Wire Ferrules have larger diameters and special shaped sleeves that accept two conductors of the same or different size. They provide an efficient connection of multiple wires in the same terminal clamp or simplify wire jumpering between terminal clamps. They are color coded with the same convention as the insulated DIN standard ferrules.

To ensure efficient ferrule crimping always select the smallest ferrule diameter that fits the wire and use only professional crimping tools.

- Sleeve: polypropylene
- Tube: tin plated copper

**INSULATED FERRULES Assortment Box**

Handy Assortment Boxes for convenient dispensing and storage of Industry and DIN Standard Insulated Ferrules. Types AB1-S and AB1-D are equipped with five different ferrule sizes. Types AB2-S and AB2-D are equipped with four different ferrule sizes. Contents of each box is listed.

**CRIMPER SELECTOR GUIDE page 18**



### HIGHLIGHTS

#### FEATURES

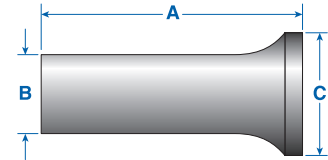
Ferrules insure reliable electrical connections when terminating stranded flexible wire in terminal blocks, circuit breakers or other control devices.

Uninsulated ferrules prevent wire strands from fraying and breaking and are extremely cost effective. Their shorter lengths and uninsulated bodies offer advantages when making terminations in printed circuit board terminal blocks and in other terminal blocks with smaller clamps or narrow widths.

To ensure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire and use only professional crimping tools. (Please refer to the ordering pages and the Crimper Selector Guide on page 18.)

- Tube: tin plated copper

### Original Uninsulated Ferrules



#### Tested According To:

- |                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| CSA Std C22.2 No. 65-93     | - Wire Connectors                                                   |
| CSA Std C22.2 No. 188-M1983 | - Splicing Wire and Cable Connectors                                |
| ANSI/UL Std No. 486A        | - Wire Connectors and Soldering Lugs for Use with Copper Conductors |
| ANSI/UL Std No. 486C        | - Splicing Wire Connectors                                          |

| AWG    | mm <sup>2</sup> | Cat. No. | Barrel Length (A) |    | Ferrule Dimensions mm |      |          | Std. Pack* |
|--------|-----------------|----------|-------------------|----|-----------------------|------|----------|------------|
|        |                 |          | mm                | A  | B (ID)                | C    |          |            |
| 20     | 0.5             | 2216.0   | 6                 | 6  | 1.3                   | 2.1  | 1000/100 |            |
| 18     | 0.75            | 2217.0   | 6                 | 6  | 1.5                   | 2.3  | 1000/100 |            |
| 18     | 0.75            | 2218.0   | 10                | 10 | 1.5                   | 2.3  | 1000/100 |            |
| 18     | 1               | 2219.0   | 6                 | 6  | 1.7                   | 2.5  | 1000/100 |            |
| 18     | 1               | 2220.0   | 10                | 10 | 1.7                   | 2.5  | 1000/100 |            |
| 16     | 1.5             | 2221.0   | 7                 | 7  | 2.3                   | 2.8  | 1000/100 |            |
| 16     | 1.5             | 2222.0   | 10                | 10 | 2.3                   | 2.8  | 1000/100 |            |
| 14     | 2.5             | 2223.0   | 7                 | 7  | 2.5                   | 3.4  | 1000/100 |            |
| 14     | 2.5             | 2224.0   | 12                | 12 | 2.5                   | 3.4  | 1000/100 |            |
| 12     | 4               | 2225.0   | 9                 | 9  | 3.2                   | 4.0  | 1000/100 |            |
| 12     | 4               | 2226.0   | 12                | 12 | 3.2                   | 4.0  | 1000/100 |            |
| 10     | 6               | 2227.0   | 12                | 12 | 3.9                   | 4.7  | 500/100  |            |
| 10     | 6               | 2388.0   | 15                | 15 | 3.9                   | 4.7  | 500/100  |            |
| 8      | 10              | 2228.0   | 12                | 12 | 4.9                   | 5.8  | 500/100  |            |
| 8      | 10              | 2389.0   | 15                | 15 | 4.9                   | 5.8  | 500/100  |            |
| 8      | 10              | 2229.0   | 18                | 18 | 4.9                   | 5.8  | 500/100  |            |
| 6      | 16              | 2391.0   | 12                | 12 | 6.2                   | 7.5  | 500/100  |            |
| 6      | 16              | 2392.0   | 15                | 15 | 6.2                   | 7.5  | 500/100  |            |
| 6      | 16              | 2393.0   | 18                | 18 | 6.2                   | 7.5  | 100      |            |
| 4      | 25              | 2394.0   | 15                | 15 | 7.7                   | 9.5  | 500/100  |            |
| 4      | 25              | 2395.0   | 18                | 18 | 7.7                   | 9.5  | 100      |            |
| 2      | 35              | 2396.0   | 18                | 18 | 8.7                   | 11   | 100      |            |
| 1      | 50              | 2816.0   | 32                | 32 | 10.9                  | 13   | 100      |            |
| 2/0    | 70              | 2790.0   | 25                | 25 | 13.3                  | 15   | 100      |            |
| 3/0    | 95              | 2791.0   | 32                | 32 | 15.3                  | 17   | 50       |            |
| 4/0    | 120             | 2792.0   | 32                | 32 | 17.5                  | 19   | 25       |            |
| 250MCM | 150             | 2793.0   | 32                | 32 | 19.5                  | 21   | 25       |            |
| 350MCM | 185             | 2815.0   | 32                | 32 | 21.2                  | 23.5 | 25       |            |
| 500MCM | 240             | 2815.5   | 40                | 40 | 23.0                  | 25   | 25       |            |

### CRIMPER SELECTOR GUIDE page 118, 119, 125 and 126

\* Different standard packs are available as shown. To order the desired standard pack, please use the quantity required as a suffix to the cat. no.  
Example for 100 standard pack: Cat. No. 2216.0/100

## UNIVERSAL CRIMPERS FOR ORIGINAL FERRULES

### Universal Ferrule Crimpers for Original Ferrules

#### Front Conductor Entry

One die crimps a wide range of insulated and uninsulated ferrule sizes. Three Universal Ferrule Crimpers are offered to crimp different ferrule and wire size ranges up to 16mm<sup>2</sup> (6 AWG).

- Positive ratcheting with spring return
- Trapezoidal crimp geometry
- Comfort grip plastic handle
- Hardened steel frame, matte black

#### Universal Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|          |         |          |   |
|----------|---------|----------|---|
| E110.000 | 26 - 10 | 0.14 - 6 | 1 |
|----------|---------|----------|---|

Replacement Spring Set:

|           |                   |
|-----------|-------------------|
| 185140008 | Handle Spring Set |
| 318001002 | Ratchet Spring    |

#### Universal Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|          |        |          |   |
|----------|--------|----------|---|
| E110.005 | 20 - 8 | 0.5 - 10 | 1 |
|----------|--------|----------|---|

Replacement Spring Set:

|           |                   |
|-----------|-------------------|
| 185140008 | Handle Spring Set |
| 318001002 | Ratchet Spring    |

#### Universal Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|          |       |         |   |
|----------|-------|---------|---|
| E110.010 | 8 - 6 | 10 - 16 | 1 |
|----------|-------|---------|---|

Replacement Spring Set:

|           |                   |
|-----------|-------------------|
| 185140008 | Handle Spring Set |
| 318001002 | Ratchet Spring    |

### Ferrule Crimper

#### Side Conductor Entry

Individual crimp cavities conform to industry standard insulated and uninsulated ferrules from 25-50mm<sup>2</sup> (4-1 AWG).

- Positive ratcheting with spring return
- Emergency release
- Trapezoidal crimp geometry
- Comfort grip plastic handle
- Hardened steel frame, matte black

#### Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|          |       |         |   |
|----------|-------|---------|---|
| E110.015 | 4 - 2 | 25 - 35 | 1 |
|----------|-------|---------|---|

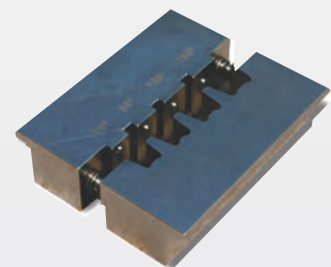
#### Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|          |   |    |   |
|----------|---|----|---|
| E110.020 | 1 | 50 | 1 |
|----------|---|----|---|

#### Vise Mount Ferrule Crimper



| Part No. | Wire/<br>AWG | Ferrule<br>mm <sup>2</sup> | Std.<br>Pack |
|----------|--------------|----------------------------|--------------|
|----------|--------------|----------------------------|--------------|

|        |                |          |   |
|--------|----------------|----------|---|
| 22.030 | 2/0-250<br>MCM | 70 - 150 | 1 |
|--------|----------------|----------|---|

### HIGHLIGHTS

#### FEATURES

Altech's pneumatic crimping tools speed the crimping process of insulated or uninsulated ferrules for a wide range of wire sizes up to 8 AWG.

Altech pneumatic crimpers are simple and easy to use. Just install the ferrule over the end of the stripped wire and insert it into either the front or side tool opening. Then touch the actuating lever or push the foot switch pedal to initiate the crimp cycle. Once the head closes it will automatically re-open after crimping. The resulting crimp features a compact trapezoidal cross section which is mechanically very strong and provides a large surface to insure a highly efficient electrical contact.

Crimp ferrules efficiently and economically. A unique dual crimping head provides convenient front or side wire entry, allowing crimping from multiple positions. This feature makes crimping in tight places simple.

Choose either lever actuated, hand held units or hands-free foot switch operated table top models, in two basic tool sizes. Hand held models feature a flexible coil air hose with 1/4" NPT interchange connector for quick hook-up with a standard push-to-connect coupler.

The table top units also include a flexible coil air hose to the foot switch and a 1/4" NPT interchange located on the foot switch for one hand push-to-connect supply hook-up. They feature a sturdy metal base with integral table clamp and dual storage trays for quick access to the ferrule supply. The air release port on the foot switch has been quieted with a sintered bronze air silencer. The foot switch has a metal frame and a tough fiberglass shroud. Its spring return pedal provides for short actuating cycles.

Optional items for the hand held crimper include a counterbalance for maximum control and a magnetic holder for storage.

### Pneumatic Crimping Tool for Original Ferrules



- Operates on 60 - 90 psi air supply
- Crimp insulated and uninsulated ferrules
- Trapezoidal crimp geometry
- Flexible coil air hose with 1/4" NPT interchange
- Metal tool body and base
- Hardened steel crimp head

| Tool                                                                                                                | Wire/ Ferrule Size<br>AWG | mm <sup>2</sup> | Cat. No.      | Tool Wt.<br>g (lbs.) | Std.<br>Pack |
|---------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|---------------|----------------------|--------------|
| <b>Hand Held Crimper with Actuating Lever</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules               | 24-14                     | 0.25-2.5        | <b>22.014</b> | 430 (.95)            | 1            |
| <b>Hand Held Crimper with Actuating Lever</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules               | 12-8                      | 4-10            | <b>22.015</b> | 430 (.95)            | 1            |
| <b>Table Top Crimper with Foot Switch and Storage Trays</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules | 24-14                     | 0.25-2.5        | <b>22.016</b> | 1000 (2.20)          | 1            |
| <b>Table Top Crimper with Foot Switch and Storage Trays</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules | 12-8                      | 4-10            | <b>22.017</b> | 1000 (2.20)          | 1            |
| <b>Magnetic Mounting Holder</b><br><i>for hand held pneumatic crimpers</i>                                          |                           |                 | <b>22.018</b> | ---                  | 1            |
| <b>Counterbalance</b><br><i>for hand held pneumatic crimpers</i>                                                    |                           |                 | <b>22.019</b> | ---                  | 1            |

### Original Ferrule and Wire Size by Crimper Type

Use this Selector Guide to determine ferrule and wire sizes which can be crimped. Refer to following pages for selection and ordering information of crimpers.

1. Determine the wire size(s) to be used.
2. To insure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire.
3. Based on the ferrule size, choose the crimper type appropriate for use.
4. Select the crimper style best suited for your application.

|               |                              | CRIMPER STYLES            |          |          |          |          |                           |          |        |                            |        |        |
|---------------|------------------------------|---------------------------|----------|----------|----------|----------|---------------------------|----------|--------|----------------------------|--------|--------|
|               |                              | UNIVERSAL FERRULE CRIMPER |          |          |          |          | PNEUMATIC FERRULE CRIMPER |          |        | WISE MOUNT FERRULE CRIMPER |        |        |
| Wire Size AWG | Ferrule Size mm <sup>2</sup> | Crimper Type              | E110.000 | E110.005 | E110.010 | E110.015 | E110.020                  | 22.014 * | 22.015 | 22.016 *                   | 22.017 | 22.030 |
| 26            | 0.14                         |                           | ■        |          |          |          |                           |          |        |                            |        |        |
| 24            | 0.25                         |                           |          |          |          |          | ■                         |          |        |                            |        |        |
| 22            | 0.34                         |                           | ■        |          |          |          |                           |          |        |                            |        |        |
| 20            | 0.50                         |                           |          | ■        |          |          |                           |          |        |                            |        |        |
| 20            | 0.75                         |                           |          |          |          |          |                           |          |        |                            |        |        |
| 18            | 1                            |                           |          |          |          |          | ■                         |          |        |                            |        |        |
| 16            | 1                            |                           |          |          |          |          |                           | ■        |        |                            |        |        |
| 14            | 2.5                          |                           |          |          |          |          |                           |          | ■      |                            |        |        |
| 12            | 4                            |                           |          |          |          |          |                           |          |        | ■                          |        |        |
| 10            | 6                            |                           | ■        |          |          |          |                           |          |        |                            |        |        |
| 8             | 10                           |                           |          | ■        |          |          |                           |          |        |                            |        |        |
| 6             | 16                           |                           |          |          | ■        |          |                           |          |        |                            |        |        |
| 4             | 25                           |                           |          |          |          | ■        |                           |          |        |                            |        |        |
| 2             | 35                           |                           |          |          |          |          | ■                         |          |        |                            |        |        |
| 1             | 50                           |                           |          |          |          |          |                           |          |        |                            |        |        |
| 2/0           | 70                           |                           |          |          |          |          |                           |          |        |                            |        | ■      |
| 3/0           | 95                           |                           |          |          |          |          |                           |          |        |                            |        |        |
| 4/0           | 120                          |                           |          |          |          |          |                           |          |        |                            |        |        |
| 250MCM        | 150                          |                           |          |          |          |          |                           |          |        |                            |        | ■      |

### Dual Wire Ferrules

E110.000 crimper covers 2x20 to 2x12 AWG dual wire ferrules

E110.010 crimper covers 2x10 to 2x8 AWG dual wire ferrules

E110.015 crimper covers 2x6 AWG dual wire ferrules

#### Key:

■ = Cavity Range

\* Insulated ferrule/wire size range is shown, uninsulated ferrule range is 16-14 AWG (1.5 - 2.5mm<sup>2</sup>).



| Cat. No.    | Page | Cat. No.         | Page | Cat. No.           | Page        | Cat. No.         | Page |
|-------------|------|------------------|------|--------------------|-------------|------------------|------|
| 40.002..... | 102  | 40.406.....      | 102  | AGT2.5.....        | 84          | CA512/17-3.....  | 61   |
| 40.003..... | 102  | 40.407.....      | 102  | AGT2.5/3.....      | 84          | CA512/17-4.....  | 61   |
| 40.004..... | 102  | 40.408.....      | 102  | AGT2.5/4.....      | 85          | CA512/2-2.....   | 61   |
| 40.005..... | 102  | 40.409.....      | 102  | AGT4.....          | 84          | CA512/2-3.....   | 61   |
| 40.006..... | 102  | 40.410.....      | 102  | AGT4/3.....        | 85          | CA512/2-4.....   | 61   |
| 40.007..... | 102  | 40.411.....      | 102  | AGT4/4.....        | 85          | CA512/3-2.....   | 61   |
| 40.008..... | 102  | 40.412.....      | 102  | AGT6.....          | 84          | CA512/3-3.....   | 61   |
| 40.009..... | 102  | 40.502.....      | 103  | AGT6/3.....        | 85          | CA512/3-4.....   | 61   |
| 40.010..... | 102  | 40.503.....      | 103  | AS2.5.....         | 80          | CA512/4-2.....   | 61   |
| 40.011..... | 102  | 40.504.....      | 103  | AS2.5/3.....       | 81          | CA512/4-3.....   | 61   |
| 40.012..... | 102  | 40.505.....      | 103  | AS2.5/4.....       | 81          | CA512/4-4.....   | 61   |
| 40.102..... | 103  | 40.506.....      | 103  | AS4.....           | 80          | CA512/7-2.....   | 61   |
| 40.103..... | 103  | 40.507.....      | 103  | AS4/3.....         | 81          | CA512/7-3.....   | 61   |
| 40.104..... | 103  | 40.508.....      | 103  | AS4/4.....         | 81          | CA512/7-4.....   | 61   |
| 40.105..... | 103  | 40.509.....      | 103  | AS6.....           | 80          | CA512/8-2.....   | 61   |
| 40.106..... | 103  | 40.510.....      | 103  | AS6/3.....         | 82          | CA512/8-3.....   | 61   |
| 40.107..... | 103  | 40.511.....      | 103  | ATL2.5.....        | 83          | CA512/8-4.....   | 61   |
| 40.108..... | 103  | 40.512.....      | 103  | ATL2.5H.....       | 83          | CA514/1-2.....   | 61   |
| 40.109..... | 103  | 40.702.....      | 103  | ATLG2.5.....       | 83          | CA514/1-3.....   | 61   |
| 40.110..... | 103  | 40.703.....      | 103  | AUX6.....          | 8           | CA514/13-2.....  | 61   |
| 40.111..... | 103  | 40.704.....      | 103  | BS1016E.....       | 105         | CA514/13-3.....  | 61   |
| 40.112..... | 103  | 40.705.....      | 103  | BS1016EM1-12.....  | 105         | CA514/13-4.....  | 61   |
| 40.202..... | 102  | 40.706.....      | 103  | BS1016EM13-24..... | 105         | CA514/1-4.....   | 61   |
| 40.203..... | 102  | 40.707.....      | 103  | BS24E.....         | 105         | CA514/14/4A..... | 61   |
| 40.204..... | 102  | 40.708.....      | 103  | BS24EM1-12.....    | 105         | CA514/14-2.....  | 61   |
| 40.205..... | 102  | 40.709.....      | 103  | BS24EM13-24.....   | 105         | CA514/14-3.....  | 61   |
| 40.206..... | 102  | 40.710.....      | 103  | BS60E.....         | 105         | CA514/14-3A..... | 61   |
| 40.207..... | 102  | 40.711.....      | 103  | BS60EM1-12.....    | 105         | CA514/14-4.....  | 61   |
| 40.208..... | 102  | 40.712.....      | 103  | BS60EM13-24.....   | 105         | CA514/15-2.....  | 61   |
| 40.209..... | 102  | 2511110.....     | 106  | CA102.....         | 49, 109     | CA514/15-3.....  | 61   |
| 40.210..... | 102  | 2511111.....     | 106  | CA103.....         | 87, 109     | CA514/15-4.....  | 61   |
| 40.211..... | 102  | 2511115.....     | 106  | CA202.....         | 49, 61, 109 | CA514/17-2.....  | 61   |
| 40.212..... | 102  | 2511120.....     | 106  | CA302.....         | 109         | CA514/17-3.....  | 61   |
| 40.302..... | 103  | 2511121.....     | 106  | CA402.....         | 109         | CA514/17-4.....  | 61   |
| 40.303..... | 103  | 2511125.....     | 106  | CA502.....         | 109         | CA514/2-2.....   | 61   |
| 40.304..... | 103  | 2511150.....     | 107  | CA512/1-2.....     | 61          | CA514/2-3.....   | 61   |
| 40.305..... | 103  | 2511160.....     | 107  | CA512/1-3.....     | 61          | CA514/2-4.....   | 61   |
| 40.306..... | 103  | 2511110/1M.....  | 106  | CA512/13-2.....    | 61          | CA514/3-2.....   | 61   |
| 40.307..... | 103  | 2511111/1M.....  | 106  | CA512/13-3.....    | 61          | CA514/3-3.....   | 61   |
| 40.308..... | 103  | 2511115/1M.....  | 106  | CA512/13-4.....    | 61          | CA514/3-4.....   | 61   |
| 40.309..... | 103  | 2511120/1M.....  | 106  | CA512/1-4.....     | 61          | CA514/4-2.....   | 61   |
| 40.310..... | 103  | 2511121/1M.....  | 106  | CA512/14-2.....    | 61          | CA514/4-3.....   | 61   |
| 40.311..... | 103  | 2511125/1M.....  | 106  | CA512/14-3.....    | 61          | CA514/4-4.....   | 61   |
| 40.312..... | 103  | 2511150/1M.....  | 107  | CA512/14-4.....    | 61          | CA514/7-2.....   | 61   |
| 40.402..... | 102  | 2511160/1M.....  | 107  | CA512/15-2.....    | 61          | CA514/7-3.....   | 61   |
| 40.403..... | 102  | ADL2.5(E)D1..... | 82   | CA512/15-3.....    | 61          | CA514/7-4.....   | 61   |
| 40.404..... | 102  | ADL2.5(E)D2..... | 82   | CA512/15-4.....    | 61          | CA514/8-2.....   | 61   |
| 40.405..... | 102  | ADLG2.5.....     | 82   | CA512/17-2.....    | 61          | CA514/8-3.....   | 61   |

| Cat. No.           | Page            | Cat. No.          | Page | Cat. No.       | Page | Cat. No.       | Page |
|--------------------|-----------------|-------------------|------|----------------|------|----------------|------|
| CA514/8-4.....     | 61              | CA704/3.....      | 48   | CA718/2.....   | 48   | CA741/100..... | 48   |
| CA601/S.....       | 107             | CA704/4.....      | 48   | CA718/3.....   | 48   | CA741/2.....   | 48   |
| CA602.....         | 109             | CA704/6.....      | 48   | CA718/4.....   | 48   | CA741/3.....   | 48   |
| CA603.....         | 108             | CA704/8.....      | 48   | CA721/10.....  | 48   | CA741/4.....   | 48   |
| CA607/S/Q.....     | 48              | CA704/9.....      | 60   | CA721/100..... | 48   | CA742/10.....  | 48   |
| CA611/S/Q.....     | 48              | CA705.....        | 108  | CA721/2.....   | 48   | CA742/100..... | 48   |
| CA623/10.....      | 48              | CA705/01.....     | 48   | CA721/3.....   | 48   | CA742/2.....   | 48   |
| CA623/2.....       | 48              | CA705/1.....      | 48   | CA721/4.....   | 48   | CA742/3.....   | 48   |
| CA623/3.....       | 48              | CA705/10.....     | 48   | CA722/10.....  | 48   | CA742/4.....   | 48   |
| CA623/4.....       | 48              | CA705/11.....     | 60   | CA722/100..... | 48   | CA743/10.....  | 48   |
| CA624/10.....      | 48              | CA705/2.....      | 48   | CA722/2.....   | 48   | CA743/2.....   | 48   |
| CA624/2.....       | 48              | CA705/3.....      | 48   | CA722/3.....   | 48   | CA743/3.....   | 48   |
| CA624/3.....       | 48              | CA705/4.....      | 48   | CA722/4.....   | 48   | CA743/4.....   | 48   |
| CA624/4.....       | 48              | CA705/6.....      | 48   | CA723/10.....  | 48   | CA744/10.....  | 48   |
| CA625/10.....      | 48              | CA705/8.....      | 48   | CA723/2.....   | 48   | CA744/2.....   | 48   |
| CA625/2.....       | 48              | CA705/9.....      | 60   | CA723/3.....   | 48   | CA744/3.....   | 48   |
| CA625/3.....       | 48              | CA707/S/Q/01..... | 48   | CA723/4.....   | 48   | CA744/4.....   | 48   |
| CA625/4.....       | 48              | CA707/S/Q/1.....  | 48   | CA724/10.....  | 48   | CA745/10.....  | 48   |
| CA627/10.....      | 48              | CA707/S/Q/2.....  | 48   | CA724/2.....   | 48   | CA745/2.....   | 48   |
| CA627/2.....       | 48              | CA707/S/Q/3.....  | 48   | CA724/3.....   | 48   | CA745/3.....   | 48   |
| CA627/3.....       | 48              | CA707/TS/01.....  | 6    | CA724/4.....   | 48   | CA745/4.....   | 48   |
| CA627/4.....       | 48              | CA707/TS/05.....  | 6    | CA725/10.....  | 48   | CA747/10.....  | 48   |
| CA628/2.....       | 8, 48           | CA707/TS/06.....  | 7    | CA725/2.....   | 48   | CA747/100..... | 48   |
| CA628/3.....       | 8, 48           | CA710/10.....     | 48   | CA725/3.....   | 48   | CA747/2.....   | 48   |
| CA629/2.....       | 8, 48           | CA710/2.....      | 48   | CA725/4.....   | 48   | CA747/3.....   | 48   |
| CA629/3.....       | 8, 48           | CA710/3.....      | 48   | CA727/10.....  | 48   | CA747/4.....   | 48   |
| CA701-15.....      | 106             | CA710/4.....      | 48   | CA727/100..... | 48   | CA749/10.....  | 48   |
| CA701-15/S.....    | 106             | CA711/10.....     | 48   | CA727/2.....   | 48   | CA749/2.....   | 48   |
| CA701-15/S-2M..... | 106             | CA711/2.....      | 48   | CA727/3.....   | 48   | CA749/3.....   | 48   |
| CA701-15-2M.....   | 106             | CA711/3.....      | 48   | CA727/4.....   | 48   | CA749/4.....   | 48   |
| CA702.....         | 49, 61, 87, 109 | CA711/4.....      | 48   | CA728/10.....  | 61   | CA751/10.....  | 48   |
| CA703.....         | 108             | CA714/10.....     | 48   | CA728/2.....   | 61   | CA751/2.....   | 48   |
| CA703/01.....      | 48              | CA714/2.....      | 48   | CA728/3.....   | 61   | CA751/3.....   | 48   |
| CA703/1.....       | 48              | CA714/3.....      | 48   | CA728/4.....   | 61   | CA751/4.....   | 48   |
| CA703/10.....      | 48              | CA714/4.....      | 48   | CA729/10.....  | 48   | CA761/10.....  | 48   |
| CA703/11.....      | 60              | CA715/10.....     | 48   | CA729/2.....   | 48   | CA761/2.....   | 48   |
| CA703/2.....       | 48              | CA715/2.....      | 48   | CA729/3.....   | 48   | CA761/3.....   | 48   |
| CA703/3.....       | 48              | CA715/3.....      | 48   | CA729/4.....   | 48   | CA761/4.....   | 48   |
| CA703/4.....       | 48              | CA715/4.....      | 48   | CA731/10.....  | 48   | CA770/10.....  | 48   |
| CA703/6.....       | 48              | CA716/10.....     | 48   | CA731/100..... | 48   | CA771/10.....  | 48   |
| CA703/8.....       | 48              | CA716/2.....      | 48   | CA732/10.....  | 48   | CA771/2.....   | 48   |
| CA703/9.....       | 60              | CA716/3.....      | 48   | CA732/100..... | 48   | CA771/3.....   | 48   |
| CA704.....         | 108             | CA716/4.....      | 48   | CA733/10.....  | 48   | CA771/4.....   | 48   |
| CA704/01.....      | 48              | CA717/10.....     | 48   | CA734/10.....  | 48   | CA772/10.....  | 61   |
| CA704/1.....       | 48              | CA717/2.....      | 48   | CA735/10.....  | 48   | CA772/2.....   | 61   |
| CA704/10.....      | 48              | CA717/3.....      | 48   | CA737/10.....  | 48   | CA772/3.....   | 61   |
| CA704/11.....      | 60              | CA717/4.....      | 48   | CA739/10.....  | 48   | CA772/4.....   | 61   |
| CA704/2.....       | 48              | CA718/10.....     | 48   | CA741/10.....  | 48   | CA774/2.....   | 61   |

| <b>Cat. No.</b>    | <b>Page</b>     | <b>Cat. No.</b>       | <b>Page</b> | <b>Cat. No.</b>        | <b>Page</b> | <b>Cat. No.</b>        | <b>Page</b> |
|--------------------|-----------------|-----------------------|-------------|------------------------|-------------|------------------------|-------------|
| CA774/3.....       | 61              | CBB70LS.....          | 58          | CDL4U(E)L1/6V.....     | 45          | CDLG4.....             | 11          |
| CA774/4.....       | 61              | CBB95.....            | 58          | CDL4U(E)L2/24V.....    | 45          | CDLG4(I.S).....        | 11          |
| CA781/10.....      | 48              | CBB95LS.....          | 58          | CDL4U(E)L2/6V.....     | 45          | CDS6U.....             | 26          |
| CA781/2.....       | 48              | CBS3U.....            | 52          | CDL4U(E)LA/1000V.....  | 46          | CDS6U/FT.....          | 26          |
| CA781/3.....       | 48              | CBS4U.....            | 52          | CDL4U(E)LA/230V.....   | 46          | CDS6U/SC.....          | 41          |
| CA781/4.....       | 48              | CBS5U.....            | 52          | CDL4U(E)LA/600V.....   | 46          | CDS6U/TS.....          | 26          |
| CA801/1.....       | 86              | CCC4U.....            | 23          | CDL4U(E)LA/75V.....    | 46          | CDTTU.....             | 30          |
| CA801/1-3.....     | 86              | CDB10/2.....          | 33          | CDL4U(E)LA/90V.....    | 46          | CDTTUFT.....           | 30          |
| CA801/2.....       | 86              | CDB10/3.....          | 33          | CDL4U(E)LD1/12V.....   | 45          | CDTTUFTSC.....         | 41          |
| CA801/2-3.....     | 86              | CDB10/4.....          | 33          | CDL4U(E)LD1/24V.....   | 45          | CDTTUSC.....           | 41          |
| CA801/3.....       | 86              | CDB25/1.....          | 33          | CDL4U(E)LD2/12V.....   | 45          | CDTTU-SH.....          | 30          |
| CA801/3-3.....     | 86              | CDB25/2.....          | 33          | CDL4U(E)LD2/24V.....   | 45          | CENC16.....            | 36          |
| CA802.....         | 49, 61, 87, 109 | CDB25/3.....          | 33          | CDL4U(E)LD3/12V.....   | 44          | CENC35.....            | 36          |
| CA803/1.....       | 92              | CDB25/4.....          | 33          | CDL4U(E)LD3/24V.....   | 44          | CENC4.....             | 36          |
| CA901/1.....       | 86              | CDB4/1.....           | 33          | CDL4U(E)LD4/24V.....   | 45          | CF4PFT.....            | 19          |
| CA901/2.....       | 86              | CDB4/10(1).....       | 32          | CDL4U(E)LD4/48V.....   | 45          | CF4SP.....             | 19, 29      |
| CA901/3.....       | 86              | CDB4/11(1).....       | 32          | CDL4U(E)LD5/110V.....  | 44          | CF4SP(L)/110-240V..... | 19          |
| CA901/4.....       | 86              | CDB4/2.....           | 33          | CDL4U(E)LD5/220V.....  | 44          | CF4SP(L)/6-60V.....    | 19          |
| CA901/5.....       | 86              | CDB4/2(1).....        | 32          | CDL4U(E)LD5/24V.....   | 44          | CF4SPFT.....           | 29          |
| CA901/6.....       | 86              | CDB4/3.....           | 33          | CDL4U(E)LD5/48V.....   | 44          | CF4U.....              | 18, 89      |
| CA902.....         | 108             | CDB4/3(1).....        | 32          | CDL4U(E)MOV130V.....   | 47          | CF4U(L)/110-240V.....  | 18          |
| CAFL4U.....        | 22              | CDB4/4.....           | 33          | CDL4U(E)MOV275V.....   | 47          | CF4U(L)/6-60V.....     | 18          |
| CAFL4U(L)/110..... | 22              | CDB4/4(1).....        | 32          | CDL4U(E)MOV30V.....    | 47          | CGMT4.....             | 89          |
| CAFL4U(L)/220..... | 22              | CDB4/5.....           | 33          | CDL4U(E)MOV460V.....   | 47          | CGT10N.....            | 17          |
| CAFL4U(L)/24.....  | 22              | CDB4/5(1).....        | 32          | CDL4U(E)MOV510V.....   | 47          | CGT16N.....            | 17          |
| CAFL4U(L)/48.....  | 22              | CDB4/6.....           | 33          | CDL4U(E)MOV60V.....    | 47          | CGT35U.....            | 17          |
| CAFL4U(N).....     | 22              | CDB4/6(1).....        | 32          | CDL4U(E)MOV625V.....   | 47          | CGT4N.....             | 16          |
| CASP.....          | 108             | CDB6/1.....           | 33          | CDL4U(E)MOV680V.....   | 47          | CGT4U.....             | 16          |
| CB16/2H.....       | 94              | CDB6/2.....           | 33          | CDL4U(E)MOV75V.....    | 47          | CGT6N.....             | 16          |
| CB16/3H.....       | 94              | CDB6/3.....           | 33          | CDL4U(E)N1/110V.....   | 44          | CHV10U.....            | 37          |
| CB4/1.....         | 94              | CDB6/4.....           | 33          | CDL4U(E)N1/220V.....   | 44          | CHV4U.....             | 37          |
| CB4/2.....         | 94              | CDL4U SPACER.....     | 108         | CDL4U(E)RC0.1.....     | 46          | CHV6U.....             | 37          |
| CB4/2H.....        | 94              | CDL4U(E)3LA/230V..... | 46          | CDL4U(E)RC0.22.....    | 46          | CKT4SP.....            | 29          |
| CB4/3.....         | 94              | CDL4U(E)3LA/350V..... | 46          | CDL4U(E)SDB12VDC.....  | 47          | CKT4SPSC.....          | 41          |
| CB4/3H.....        | 94              | CDL4U(E)3LA/600V..... | 46          | CDL4U(E)SDB160VDC..... | 47          | CKT4U.....             | 28          |
| CB6/1.....         | 94              | CDL4U(E)3LA/90V.....  | 46          | CDL4U(E)SDB24VDC.....  | 47          | CKT4U/4.....           | 28          |
| CB6/2H.....        | 94              | CDL4U(E)D1.....       | 42          | CDL4U(E)SDB48VDC.....  | 47          | CM1.5S.....            | 93          |
| CB6/3H.....        | 94              | CDL4U(E)D2.....       | 42          | CDL4U(E)SDUA12VDC..... | 47          | CM1.5S2.....           | 93          |
| CB6/4H.....        | 94              | CDL4U(E)D3.....       | 42          | CDL4U(E)SDUA24VDC..... | 47          | CM2.5S.....            | 93          |
| CBB120.....        | 59              | CDL4U(E)D4/12V.....   | 43          | CDL4U(E)SDUA48VDC..... | 47          | CM2.5S2.....           | 93          |
| CBB120LS.....      | 59              | CDL4U(E)D4/24V.....   | 43          | CDL4U(E)SDUK12VDC..... | 47          | CM4S.....              | 93          |
| CBB150.....        | 59              | CDL4U(E)DD1.....      | 42          | CDL4U(E)SDUK24VDC..... | 47          | CM4S2.....             | 93          |
| CBB150LS.....      | 59              | CDL4U(E)DD2.....      | 42          | CDL4U(E)SDUK48VDC..... | 47          | CMB4.....              | 90          |
| CBB185.....        | 59              | CDL4U(E)DD3.....      | 43          | CDL4U(O).....          | 45          | CMC1-2.....            | 9           |
| CBB185LS.....      | 59              | CDL4U(E)DD4.....      | 43          | CDL4UN.....            | 10          | CMC2-2.....            | 9           |
| CBB35/50.....      | 58              | CDL4U(E)DD5/12V.....  | 43          | CDL4UN(I.S).....       | 10          | CMCG4.....             | 9           |
| CBB35/50LS.....    | 58              | CDL4U(E)DD5/24V.....  | 43          | CDL4USP.....           | 42          | CMDB10/10.....         | 34          |
| CBB70.....         | 58              | CDL4U(E)L1/24V.....   | 45          | CDLG2.5.....           | 11          | CMDB10/2.....          | 34          |

| Cat. No.       | Page   | Cat. No.          | Page | Cat. No.        | Page   | Cat. No.        | Page   |
|----------------|--------|-------------------|------|-----------------|--------|-----------------|--------|
| CMDB10/3       | 34     | CTL2.5U-H         | 14   | CXCC4           | 75     | DDFL4U(E)/110   | 20     |
| CMDB10/4       | 34     | CTL2.5UH(I.S)D2   | 15   | CXCP2.5/4       | 92     | DDFL4U(E)/220   | 20     |
| CMDB25/10      | 34     | CTL2.5U-H(L)/110  | 15   | CXDB35/10       | 35, 79 | DDFL4U(E)/24    | 20     |
| CMDB25/2       | 34     | CTL2.5U-H(L)/12   | 15   | CXDB35/10A      | 35, 79 | DDFL4U(E)/440   | 20     |
| CMDB25/3       | 34     | CTL2.5U-H(L)/220  | 15   | CXDIN           | 78     | DDFL4U(E)/48    | 20     |
| CMDB25/4       | 34     | CTL2.5U-H(L)/24   | 15   | CXDL2.5         | 71     | DDFL4U(E)LR/110 | 21     |
| CMDB4/10       | 34     | CTL2.5U-H(L)/48   | 15   | CXDL2.5(E)D1    | 72     | DDFL4U(E)LR/220 | 21     |
| CMDB4/2        | 34     | CTLG2.5           | 15   | CXDL2.5(E)D2    | 72     | DDFL4U(E)LR/24  | 21     |
| CMDB4/3        | 34     | CTLG2.5(E)MOV130V | 47   | CXDL2.5(E)D3    | 72     | DDFL4U(E)LR/440 | 21     |
| CMDB4/4        | 34     | CTLG2.5(E)MOV275V | 47   | CXDL2.5(E)DD1   | 73     | DDFL4U(E)LR/48  | 21     |
| CMDB6/10       | 34     | CTLG2.5(E)MOV30V  | 47   | CXDL2.5(E)DD2   | 73     | DDFL4ULR        | 21     |
| CMDB6/2        | 34     | CTLG2.5(E)MOV60V  | 47   | CXDL2.5(E)DD3   | 73     | EP0DL2.5        | 49     |
| CMDB6/3        | 34     | CTLG2.5(E)MOV75V  | 47   | CXDL2.5(E)DD4   | 73     | EP0DL4U         | 49     |
| CMDB6/4        | 34     | CTS10U            | 7    | CXDL2.5(E)LD1   | 73     | EP10DL2.5       | 49     |
| CMS2.5         | 91     | CTS10USC          | 40   | CXDL2.5(E)TS1   | 73     | EP10DL4U        | 49     |
| CMT4           | 89     | CTS16U            | 7    | CXDL2.5(I.S)    | 71     | EP2.5/4UN       | 49     |
| CMTB35         | 108    | CTS2.5U-N         | 6    | CXDLG2.5        | 71     | EP6/10U         | 49     |
| CPD1           | 75     | CTS25UN           | 7    | CXDLG2.5(I.S)   | 71     | EPADL2.5        | 87     |
| CPF            | 23, 75 | CTS35UN           | 7    | CXF4            | 74     | EPADLG2.5       | 87     |
| CPF(L)110-240V | 75     | CTS4U-N           | 6    | CXF4(L)110-240V | 74     | EPAS2.5         | 87     |
| CPF(L)6-60V    | 75     | CTS4USC           | 40   | CXF4(L)6-60V    | 74     | EPAS4           | 87     |
| CPFL110-240V   | 23     | CTS50/70N         | 8    | CXG10           | 69     | EPAS6           | 87     |
| CPFL6-60V      | 23     | CTS50/70NA        | 8    | CXG10/3         | 70     | EPATL2.5        | 87     |
| CSB3/N3U       | 53     | CTS6U             | 6    | CXG2.5          | 68     | EPATL2.5H       | 87     |
| CSB3/N3UL      | 53     | CTS6USC           | 40   | CXG2.5/3        | 69     | EPATLG2.5       | 87     |
| CSB4/N4U       | 53     | CTS95/120N        | 8    | CXG2.5/4        | 69     | EPCAFL4U        | 49     |
| CSB5/N5U       | 53     | CTSPC             | 49   | CXG4            | 68     | EPCBS3U         | 61     |
| CSC16T         | 65     | CTT2.5UG          | 38   | CXG4/3          | 69     | EPCDL4U         | 49     |
| CSCP2.5T       | 92     | CTT2.5UJ          | 38   | CXG4/4          | 70     | EPCDL4UN        | 49     |
| CSCP2.5T2      | 92     | CTT2.5UK          | 38   | CXG6            | 68     | EPCDLG2.5       | 49     |
| CSDL4U         | 31     | CTT2.5UT          | 38   | CXG6/3          | 70     | EPCDS6U         | 49     |
| CSP1           | 49     | CX10              | 65   | CXK2.5          | 76     | EPCDTTU         | 49     |
| CSTSB4U        | 55     | CX10/3            | 66   | CXK2.5/4        | 76     | EPCKT4U         | 49     |
| CSTSB5U        | 55     | CX2.5             | 64   | CXK4            | 76     | EPCKT4U/4       | 49     |
| CSTSN4U        | 54     | CX2.5/1B          | 78   | CXLPN           | 78     | EPCM1.5S        | 93     |
| CSTSN5U        | 54     | CX2.5/3           | 65   | CXM2.5          | 91     | EPCM2.5S        | 93     |
| CSTSN6U        | 54     | CX2.5/4           | 65   | CXMG2.5         | 91     | EPCM4S          | 93     |
| CSTSPC1-2      | 61     | CX2.5/4(E)D1      | 67   | CXPOL           | 78     | EPCMB4          | 90     |
| CSTSPC1-3      | 61     | CX2.5/4P          | 67   | CXS2.5          | 77     | EPCMC1-2        | 49     |
| CSTSPC1-4      | 61     | CX2.5PLN          | 78   | CXS4            | 77     | EPCMC2-2        | 49     |
| CTC4U          | 39     | CX2.5PN           | 78   | CXSG2.5         | 77     | EPCMT4          | 49, 89 |
| CTL2.5U        | 14     | CX2.5SLN          | 78   | CXSG4           | 77     | EPCSCP2.5T      | 92     |
| CTL2.5U(I.S)   | 14     | CX2.5SN           | 78   | CXSR2N          | 78     | EPCSFL4U        | 49     |
| CTL2.5U(L)/110 | 15     | CX4               | 64   | CXSR4N          | 78     | EPCSTSU         | 61     |
| CTL2.5U(L)/12  | 15     | CX4/3             | 66   | D35CLIP-M4      | 108    | EPCTC4U         | 49     |
| CTL2.5U(L)/220 | 15     | CX4/4             | 66   | D35CLIP-M5      | 108    | EPCTL2.5U       | 49     |
| CTL2.5U(L)/24  | 15     | CX6               | 64   | DDDL4U          | 31     | EPCTL2.5U-H     | 49     |
| CTL2.5U(L)/48  | 15     | CX6/3             | 66   | DDFL4U          | 20     | EPCTLG2.5       | 49     |

| Cat. No.  | Page | Cat. No.    | Page | Cat. No.   | Page | Cat. No.    | Page |
|-----------|------|-------------|------|------------|------|-------------|------|
| EPCX10    | 87   | HE10HWPR/02 | 99   | HE1HWPR/06 | 98   | HE42SST/10  | 101  |
| EPCX10/3  | 87   | HE10HWPR/03 | 99   | HE1HWPR/07 | 98   | HE42SST/11  | 101  |
| EPCX2.5   | 87   | HE10HWPR/04 | 99   | HE1HWPR/08 | 98   | HE42SST/12  | 101  |
| EPCX2.5/3 | 87   | HE10HWPR/05 | 99   | HE1HWPR/09 | 98   | HE42ST/02   | 100  |
| EPCX2.5/4 | 87   | HE10HWPR/06 | 99   | HE1HWPR/10 | 98   | HE42ST/03   | 100  |
| EPCX4     | 87   | HE10HWPR/07 | 99   | HE1HWPR/11 | 98   | HE42ST/04   | 100  |
| EPCX4/3   | 87   | HE10HWPR/08 | 99   | HE1HWPR/12 | 98   | HE42ST/05   | 100  |
| EPCX4/4   | 87   | HE10HWPR/09 | 99   | HE1WPR/02  | 96   | HE42ST/06   | 100  |
| EPCX6     | 87   | HE10HWPR/10 | 99   | HE1WPR/03  | 96   | HE42ST/07   | 100  |
| EPCX6/3   | 87   | HE10HWPR/11 | 99   | HE1WPR/04  | 96   | HE42ST/08   | 100  |
| EPCXDL2.5 | 87   | HE10HWPR/12 | 99   | HE1WPR/05  | 96   | HE42ST/09   | 100  |
| EPCXM2.5  | 91   | HE10WPR/02  | 97   | HE1WPR/06  | 96   | HE42ST/10   | 100  |
| EPCXS2.5  | 87   | HE10WPR/03  | 97   | HE1WPR/07  | 96   | HE42ST/11   | 100  |
| EPCXS4    | 87   | HE10WPR/04  | 97   | HE1WPR/08  | 96   | HE42ST/12   | 100  |
| EPDDL4U   | 49   | HE10WPR/05  | 97   | HE1WPR/09  | 96   | HE4HNWPR/02 | 98   |
| EPSTH3    | 61   | HE10WPR/06  | 97   | HE1WPR/10  | 96   | HE4HNWPR/03 | 98   |
| EPSTH4    | 61   | HE10WPR/07  | 97   | HE1WPR/11  | 96   | HE4HNWPR/04 | 98   |
| EPSTH4DT  | 61   | HE10WPR/08  | 97   | HE1WPR/12  | 96   | HE4HNWPR/05 | 98   |
| EPSTH6    | 61   | HE10WPR/09  | 97   | HE42BU/02  | 100  | HE4HNWPR/06 | 98   |
| EPUSC     | 49   | HE10WPR/10  | 97   | HE42BU/03  | 100  | HE4HNWPR/07 | 98   |
| GMH1      | 110  | HE10WPR/11  | 97   | HE42BU/04  | 100  | HE4HNWPR/08 | 98   |
| GMH2      | 110  | HE10WPR/12  | 97   | HE42BU/05  | 100  | HE4HNWPR/09 | 98   |
| GMH3      | 110  | HE16HWPR/02 | 99   | HE42BU/06  | 100  | HE4HNWPR/10 | 98   |
| GMH4      | 110  | HE16HWPR/03 | 99   | HE42BU/07  | 100  | HE4HNWPR/11 | 98   |
| GMH5      | 110  | HE16HWPR/04 | 99   | HE42BU/08  | 100  | HE4HNWPR/12 | 98   |
| GMH6      | 110  | HE16HWPR/05 | 99   | HE42BU/09  | 100  | HE4WPR/02   | 96   |
| GMH7      | 110  | HE16HWPR/06 | 99   | HE42BU/10  | 100  | HE4WPR/03   | 96   |
| GMH8      | 110  | HE16HWPR/07 | 99   | HE42BU/11  | 100  | HE4WPR/04   | 96   |
| GMH8N     | 110  | HE16HWPR/08 | 99   | HE42BU/12  | 100  | HE4WPR/05   | 96   |
| GT10U     | 17   | HE16HWPR/09 | 99   | HE42SBU/02 | 101  | HE4WPR/06   | 96   |
| H4        | 105  | HE16HWPR/10 | 99   | HE42SBU/03 | 101  | HE4WPR/07   | 96   |
| H6        | 105  | HE16HWPR/11 | 99   | HE42SBU/04 | 101  | HE4WPR/08   | 96   |
| HCL10-12  | 104  | HE16HWPR/12 | 99   | HE42SBU/05 | 101  | HE4WPR/09   | 96   |
| HCL10-2   | 104  | HE16WPR/02  | 97   | HE42SBU/06 | 101  | HE4WPR/10   | 96   |
| HCL10-3   | 104  | HE16WPR/03  | 97   | HE42SBU/07 | 101  | HE4WPR/11   | 96   |
| HCL10-4   | 104  | HE16WPR/04  | 97   | HE42SBU/08 | 101  | HE4WPR/12   | 96   |
| HCL12-12  | 104  | HE16WPR/05  | 97   | HE42SBU/09 | 101  | HE6HWPR/02  | 99   |
| HCL12-2   | 104  | HE16WPR/06  | 97   | HE42SBU/10 | 101  | HE6HWPR/03  | 99   |
| HCL12-3   | 104  | HE16WPR/07  | 97   | HE42SBU/11 | 101  | HE6HWPR/04  | 99   |
| HCL12-4   | 104  | HE16WPR/08  | 97   | HE42SBU/12 | 101  | HE6HWPR/05  | 99   |
| HCL15-12  | 104  | HE16WPR/09  | 97   | HE42SST/02 | 101  | HE6HWPR/06  | 99   |
| HCL15-2   | 104  | HE16WPR/10  | 97   | HE42SST/03 | 101  | HE6HWPR/07  | 99   |
| HCL15-3   | 104  | HE16WPR/11  | 97   | HE42SST/04 | 101  | HE6HWPR/08  | 99   |
| HCL15-4   | 104  | HE16WPR/12  | 97   | HE42SST/05 | 101  | HE6HWPR/09  | 99   |
| HCL8-12   | 104  | HE1HWPR/02  | 98   | HE42SST/06 | 101  | HE6HWPR/10  | 99   |
| HCL8-2    | 104  | HE1HWPR/03  | 98   | HE42SST/07 | 101  | HE6HWPR/11  | 99   |
| HCL8-3    | 104  | HE1HWPR/04  | 98   | HE42SST/08 | 101  | HE6HWPR/12  | 99   |
| HCL8-4    | 104  | HE1HWPR/05  | 98   | HE42SST/09 | 101  | HE6WPR/02   | 97   |



| Cat. No.        | Page | Cat. No.          | Page   | Cat. No.     | Page |
|-----------------|------|-------------------|--------|--------------|------|
| HE6WPR/03.....  | 97   | MT6 .....         | 111    | TM5 .....    | 110  |
| HE6WPR/04.....  | 97   | MT6F .....        | 111    | TPSLS.....   | 26   |
| HE6WPR/05.....  | 97   | MT8 .....         | 111    | TX2.5 .....  | 87   |
| HE6WPR/06.....  | 97   | MT9 .....         | 111    | TX4 .....    | 87   |
| HE6WPR/07.....  | 97   | MT9F .....        | 111    | TX6 .....    | 87   |
| HE6WPR/08.....  | 97   | MTG1 .....        | 110    | WLX10 .....  | 108  |
| HE6WPR/09.....  | 97   | MTG2 .....        | 110    | WLX2.5 ..... | 108  |
| HE6WPR/10.....  | 97   | NEB10.....        | 36     | WLX4 .....   | 108  |
| HE6WPR/11.....  | 97   | NEB6.....         | 36     | WLX6 .....   | 108  |
| HE6WPR/12.....  | 97   | NES.....          | 36     |              |      |
| HEP4/16H.....   | 104  | ODL2.5.....       | 13     |              |      |
| JX10/2.....     | 86   | ODL2.5(I.S).....  | 13     |              |      |
| JX2.5/10.....   | 86   | ODL4U .....       | 12     |              |      |
| JX2.5/2.....    | 86   | ODLG2.5.....      | 13     |              |      |
| JX2.5/3.....    | 86   | ODLG2.5(I.S)..... | 13     |              |      |
| JX2.5/4.....    | 86   | PP2.5/4UN .....   | 49     |              |      |
| JX2.5/5.....    | 86   | PP25UN .....      | 49     |              |      |
| JX2.5/6.....    | 86   | PP35UN .....      | 49     |              |      |
| JX2.5/7.....    | 86   | PP6/10U.....      | 49     |              |      |
| JX2.5/8.....    | 86   | PPCMT4 .....      | 49, 89 |              |      |
| JX4/10.....     | 86   | PPCX4 .....       | 87     |              |      |
| JX4/16.....     | 86   | PPCX4.3 .....     | 87     |              |      |
| JX4/2.....      | 86   | PPCX4/4 .....     | 87     |              |      |
| JX4/3.....      | 86   | PPCX6 .....       | 87     |              |      |
| JX4/4.....      | 86   | PSPTB35 .....     | 60     |              |      |
| JX4/8.....      | 86   | PSPTB70 .....     | 60     |              |      |
| JX6/10.....     | 86   | PTB35/50 .....    | 60     |              |      |
| JX6/2.....      | 86   | PTB35/50SH.....   | 60     |              |      |
| JX6/3.....      | 86   | PTB70/95 .....    | 60     |              |      |
| JX6/4.....      | 86   | PTB70/95SH.....   | 60     |              |      |
| JXS10/2.5 ..... | 86   | Q11/2 .....       | 57     |              |      |
| JXS10/4 .....   | 86   | QJ8/2 .....       | 26     |              |      |
| JXS6/2.5 .....  | 86   | SLS2 .....        | 26     |              |      |
| JXS6/4 .....    | 86   | SLS3 .....        | 26     |              |      |
| LCCDS.....      | 26   | SLS4 .....        | 26     |              |      |
| LCSTH4DT .....  | 57   | SP2.5/4UN .....   | 49     |              |      |
| MH2.5 .....     | 6    | SP6/10U.....      | 49     |              |      |
| MH4 .....       | 6    | SPCDL4U .....     | 49     |              |      |
| MHPTB35 .....   | 60   | SPCDLG2.5 .....   | 49     |              |      |
| MT10 .....      | 111  | SPCMB4 .....      | 49     |              |      |
| MT12 .....      | 111  | STH3.....         | 56     |              |      |
| MT16 .....      | 111  | STH4.....         | 56     |              |      |
| MT2 .....       | 111  | STH4DT .....      | 57     |              |      |
| MT2B4.....      | 111  | STH4DTFT.....     | 57     |              |      |
| MT2G .....      | 111  | STH4DTSH.....     | 57     |              |      |
| MT3 .....       | 111  | STH6.....         | 56     |              |      |
| MT4 .....       | 111  | SWL10 .....       | 108    |              |      |
| MT5 .....       | 111  | SWL4 .....        | 108    |              |      |

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**TITLE** - Title to the products of ALTECH shall remain with ALTECH until payment is made in full by Customer. Such reservation of title is for the purpose of securing the purchase price and shall not relieve Customer of the duty to inspect the products upon receipt, to notify ALTECH of any deficiencies or defects, and to exercise due care in the use, installation, operation, and maintenance of the products when on the premise of the Customer or under the control of the Customer. Notwithstanding any reservation of title by ALTECH, risk of loss shall pass to customer at any time of shipment.

**SHIPMENT AND DELIVERY** - All orders for destination in the mainland United States (less Hawaii, Alaska and non-continental United States possessions) will be shipped F.O.B. Flemington, N.J. All destination, shipping and other charges shall be paid by the Customer in accordance with ALTECH's then current shipping and billing practices.

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Written notice as an explanation of the circumstances of any claim that the equipment has proved defective in material or workmanship shall be given promptly by the Customer to ALTECH.

ALTECH will not be liable for any misuse, improper operations, improper installation, improper maintenance, alteration, modification, accident or unusual degradation of the equipment or parts due to an unsuitable installation environment.

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ALTECH SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY DELAY IN SHIPMENT, INSTALLATION OR FURNISHING OF EQUIPMENT OR SERVICES UNDER THIS AGREEMENT.

No action arising out of any claimed breach of this Agreement may be brought by either party more than two (2) years after the cause of action has accrued.

**PATENT INDEMNITY** - ALTECH shall defend or settle any suit or proceeding brought against Customer based on a claim that any equipment made to ALTECH design and furnished hereunder constitutes an infringement of any existing United States patent, provided (ALTECH) is notified promptly in writing and is given complete authorization and information required for the defense, and ALTECH shall pay all damages and costs awarded against Customer, but shall not be responsible for any costs, expense or compromise incurred or made by Customer without ALTECH's prior written consent. If any equipment is in ALTECH's opinion likely to or does become the subject of a claim for patent infringement, ALTECH may at its option and expense procure for Customer the right to continue using the device, modify it to become non-infringing, but in the event ALTECH is not reasonably able to modify, substitute, or otherwise procure for Customer the right to continue using it, ALTECH will remove such equipment and refund to Customer the amount paid in excess of a reasonable rental for past use.

ALTECH shall not be liable for any infringement or claim based upon use of the equipment in combination with other equipment not supplied by ALTECH or with modifications made by Customer.

The foregoing states the entire liability of ALTECH to Customer arising from patent infringement.

**SELLER'S REMEDIES** - Should Customer fail to make any payment within ten (10) days of its due date, or fail to perform any other of the Customer's obligation hereunder upon thirty (30) days written notice, or should Customer be or become insolvent or be a party to any bankruptcy receivership proceeding prior to full payment of all amounts payable hereunder, ALTECH may: (a) with or without demand or notice to customer declare the entire amount unpaid immediately due and payable; (b) enter upon the premises where the equipment may be found and remove it (Customer shall assemble the equipment and make it available to ALTECH at a place reasonably convenient to both parties and shall permit and assist ALTECH in effecting the retaking and removal of the equipment); and (c) sell any or all the equipment as permitted under applicable law, applying the proceeds of the sale to payment of the expenses of retaking, repairing and selling the equipment, reasonable attorney fees and to the satisfaction of all indebtedness then due and unpaid under this Agreement. Any surplus shall be paid to Customer and any deficiency shall be paid to ALTECH by Customer.

The remedies provided herein shall be cumulative and in addition to all other remedies provided by law or equity or under the Uniform Commercial Code.

**GOVERNING LAW** - This agreement will be governed by the Laws of the State of New Jersey.

**GENERAL** - This Agreement shall only become effective and binding when either (a) it has been accepted and executed by an authorized representative of ALTECH, or (b) the equipment has been shipped to Customer, with or without acceptance in writing hereon. Notice of acceptance is hereby waived by Customer. Customer hereby acknowledges receipt of a true and complete copy hereof.

No addition to or modification of any of the Terms and Conditions of Sale as they appear herein shall be binding upon ALTECH unless signed in writing by duly authorized representative of ALTECH in Flemington, N.J.

Typographical and clerical errors in quotations, orders and acknowledgments are subject to correction.

This Agreement is not assignable without the prior written consent of ALTECH. Any attempt to assign any of the rights, duties or obligations of this Agreement without such consent is void.

If any provision or provisions of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability, of the remaining provisions shall not in any way be affected or impaired thereby.

ALTECH is not responsible for failure to fulfill its obligation under this Agreement due to causes beyond its control, or except as agreed herein.

THE CUSTOMER ACKNOWLEDGES THAT HE HAS READ THE AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. FURTHERMORE, THE CUSTOMER AGREES THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES, WHICH SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT.

## ALTECH OFFERS A LARGE SELECTION OF AUTOMATION AND CONTROL COMPONENTS

### Circuit Protection Devices



Altech the market leader in UL508 Manual Motor Controllers/ Miniature Circuit Breakers now introduces UL489 Miniature Circuit Breakers and UL1077 Supplementary Protectors. The UL489 versions are DIN rail mounted, 17.5mm wide, thermal magnetic, 240V, 480Y/277V AC, 50/60Hz, 125 and 250 VDC models, with short circuit interrupt capacity of 10kA, a positive trip indicator, and are line/load reversible. The UL1077 versions are DIN rail mounted, 17.5mm wide, thermal magnetic, 480Y/277V AC, 50/60Hz, a short circuit withstand capacity 10kA, have a positive trip indicator.

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### Industrial Enclosures



Altech offers a broad selection of non-metallic and aluminum Industrial Enclosures to meet your diverse design requirements. Sizes range from 1.97 x 2.05 x 1.38 to 35.43 x 11.81 x 5.59 inches. Materials include polycarbonate, polystyrene, polypropylene, ABS or aluminum. Polycarbonate and aluminum series have been recently expanded. Protection up to IP67 (NEMA 4, 4X). Smooth sidewalls or sidewalls with knockouts. Enclosures can be mounted directly onto a panel, frame or other mounting surfaces. EMI / RFI Coating is available. Competitive cover printing is available. Hinge Kits. Customization available.

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### Smart Relays



Supports up to 48 I/Os (32 digital inputs & 16 digital outputs). DST Feature Available. Backlit LCD Screen for display & modification of pre-selected parameters of functional blocks, viewing I/O status and programming on the device. PC software for programming, online & offline simulation, documentation & printing. Designed for use in automation for commercial & Industrial sectors. Modbus Communication. UL 508 (UL File No. E352868), IEC 61000-3-2 and IEC 61000-4-2-1-11. 250 lines of ladder programming. 16 soft text messages, Time Switches, Compare Counters, Timers, Counters & 12 analog functions.

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### PCB Spring Clamp & Push-In Terminal Blocks



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### Motor Disconnect Switches



Altech's line of Motor Disconnect Switches are UL 508 listed as Manual Motor Controllers for AC Motor Starting Across-the-line and AC General use. This new 16 page catalog includes the 3 different handle designs, which are all available in gray/black or yellow/red housings. Electrical ratings are 25-150A / 600V. The switches are non-fused DIN Rail mountable. Neat features include: snap-on auxiliary switches, door mounting kit and a retrofit 30A fuse holder. Also featured are Enclosed Motor Disconnect Switches & Fused Enclosed Motor Disconnect Switch (30A) in plastic or stainless housings.

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### Power Supplies



Altech DIN RAIL mountable power supplies have Universal AC input. They are suitable for industrial and automation applications. UL508 Listed or UL Recognized. Single and Three phases up to 960W. Outputs of 5V, 12V, 15V, 24V and 48V. Class 2 devices are available. Installed on DIN rail TS35/ 7.5 or 15. Protections of Short circuit / Overload / Overvoltage / Over temperature. Cooling by free air convection. All-In-One DC-UPS, battery based. Ultra Capacitor DC-UPS, no battery required. World-wide approvals. 3 year warranty.

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### Circuit Protection

|                                                                                                              |                                                                                                                 |                                                                                                                                      |                                                                                                               |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  Circuit Protection Devices |  Busbar and Power Distribution |  Contactors, Overload Relays, Manual Motor Starters |  Motor Disconnect Switches |  European Fuses |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

### Connectors

|                                                                                                                      |                                                                                                         |                                                                                                |                                                                                                    |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  Industrial Rectangular Connectors |  Pin & Sleeve Devices |  Receptacles |  Foot Switches |  Inductive Proximity Sensors |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|

### Enclosures


|                                                                                                           |                                                                                                    |                                                                                                       |                                                                                                     |                                                                                                       |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  Industrial Enclosures |  DIN Enclosures |  Interface Modules |  Safety Relays |  Slimline Relays |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

### Modules & Relays

### Power Supplies

|                                                                                                    |                                                                                                             |                                                                                              |                                                                                                                                    |                                                                                                 |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  Power Supplies |  22 & 30 mm Push Buttons |  DIN Rail |  Liquid Tight Strain Reliefs/Corrugated Tubes |  Wire Duct |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

### Terminal Blocks

|                                                                                                              |                                                                                                                 |                                                                                                                           |                                                                                                  |                                                                                                           |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  Din Rail Terminal Blocks |  Panel Mount Terminal Blocks |  Printed Circuit Board Terminal Blocks |  Eurostrips |  Distribution Blocks |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

### Miscellaneous

|                                                                                              |                                                                                                     |                                                                                                                 |                                                                                                             |                                                                                                            |
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