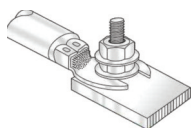


# OVERVIEW

## LUG TYPE TERMINALS

## INTRODUCTION

### 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

UL US  
E220514

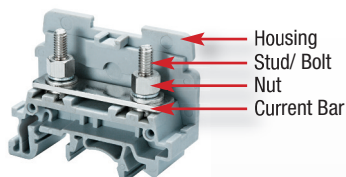
CE

Lloyd's Register

IECEE

IEC  
60947-7-1

### 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

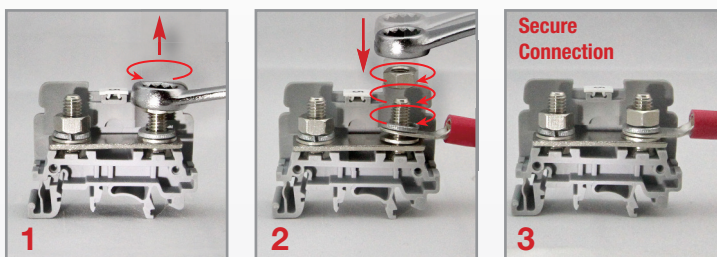
#### Terminal Block Housing

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

#### Polyamide 66 Specifications

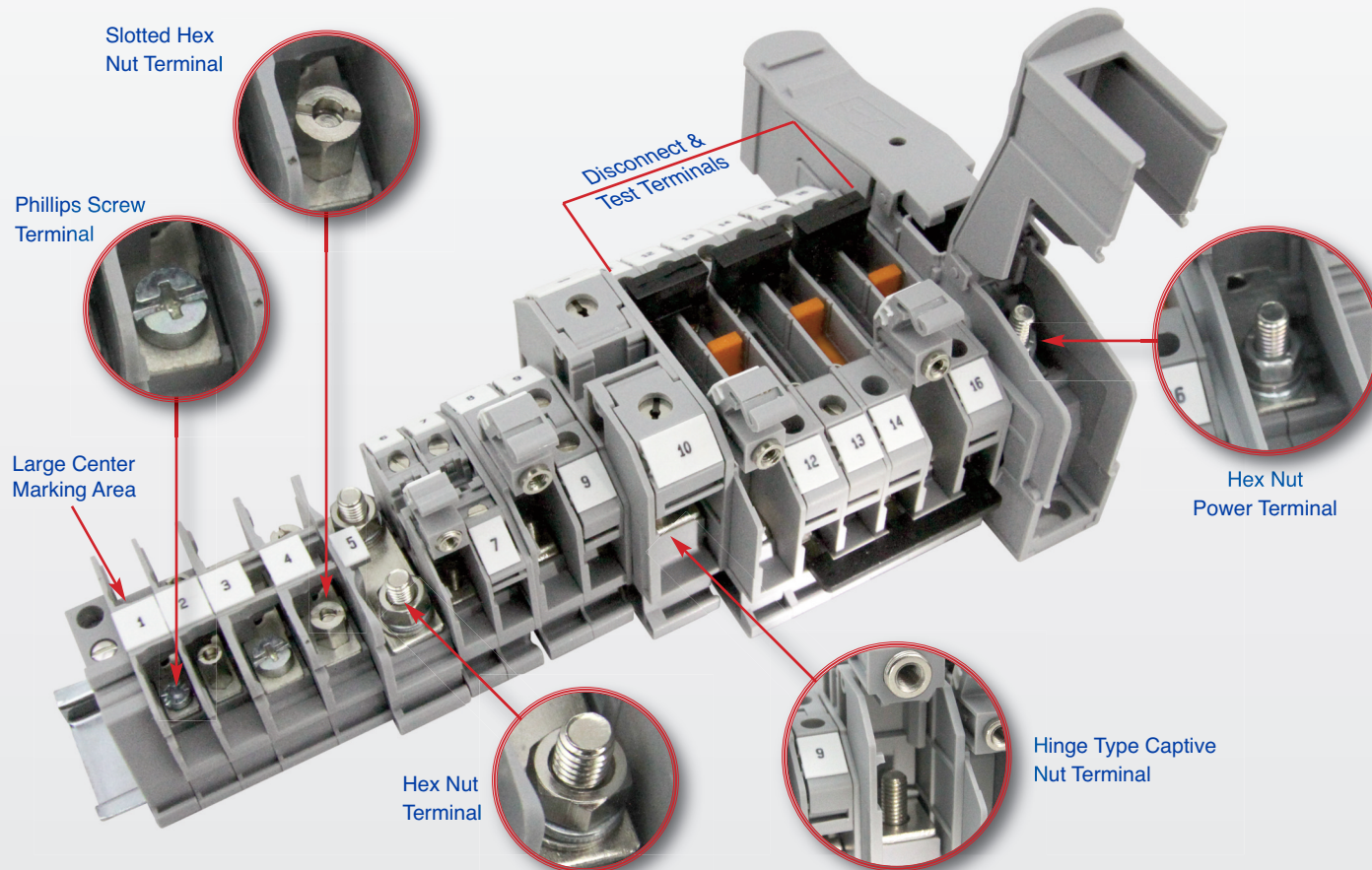
Upper Temperature Limit: 105°C  
Lower Temperature Limit: -50°C  
Flammability UL94: V2/ V0  
Volume Resistivity:  $10^{12} \Omega \text{ cm}$   
Surface Resistivity:  $10^{10} \Omega$

### 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

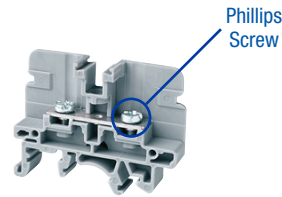
### RING LUG TERMINAL CONNECTION TYPES AND FEATURES



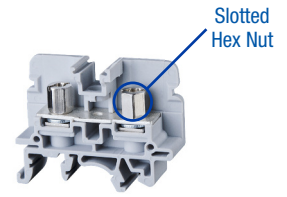
## Ring Lug Barrier Terminal Blocks

### FEATURES

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



**CBS Series**  
page 52

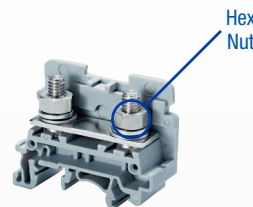


**CSB Series**  
page 53

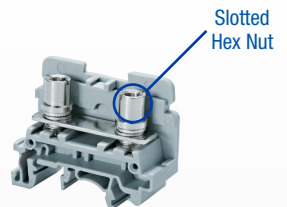
## Ring Lug Stud Terminal Blocks

### FEATURES

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



**CSTSN Series**  
page 54

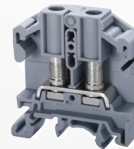


**CSTSB Series**  
page 55

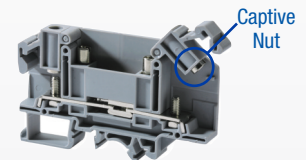
## Ring Lug Hinge Terminal Blocks

### FEATURES

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



**Feed-Through**  
page 56

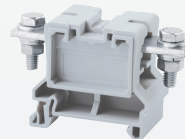


**Disconnect**  
page 57

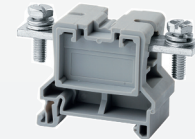
## Ring Lug Power Terminal Blocks

### FEATURES

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



Nut/Bolt Connection



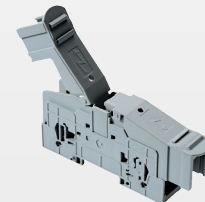
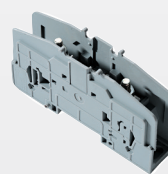
Threaded Current Bar

**CBB Series**  
page 58-59

## High Current Power Terminal Blocks

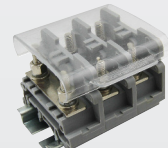
### FEATURES

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



**PTB Series**  
page 60

## Accessories



page 61

## HIGHLIGHTS

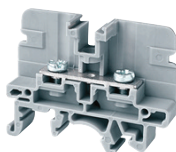
## FEATURES

- 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

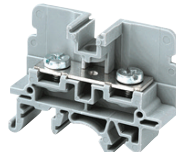
## APPLICATIONS

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

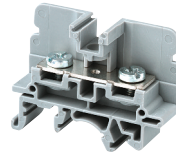
CBS3U



CBS4U



CBS5U



## Dimensions &amp; Weight

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

|                                               |
|-----------------------------------------------|
| 50 A Ring Lug Terminal<br>Phillips Screw Head |
| 9 mm                                          |
| 49 mm                                         |
| 38 mm<br>45.5 mm                              |
| 7.4 g                                         |

|                                               |
|-----------------------------------------------|
| 65 A Ring Lug Terminal<br>Phillips Screw Head |
| 13 mm                                         |
| 49 mm                                         |
| 38 mm<br>45.5 mm                              |
| 12.4 g                                        |

|                                               |
|-----------------------------------------------|
| 85 A Ring Lug Terminal<br>Phillips Screw Head |
| 13 mm                                         |
| 49 mm                                         |
| 38 mm<br>45.5 mm                              |
| 13.8 g                                        |

## Technical Data/Ratings

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

|              |                       |
|--------------|-----------------------|
|              |                       |
| 22-8 AWG     | 0.5-6 mm <sup>2</sup> |
| 600 V        | 1000V AC/DC           |
| 50 A         | 41 A                  |
| 4.5 lb-in    | 0.5 Nm                |
| Polyamide 66 |                       |

|              |                        |
|--------------|------------------------|
|              |                        |
| 16-6 AWG     | 1.5-10 mm <sup>2</sup> |
| 600 V        | 1000V AC/DC            |
| 65 A         | 57 A                   |
| 10 lb-in     | 1.2 Nm                 |
| Polyamide 66 |                        |

|              |                        |
|--------------|------------------------|
|              |                        |
| 16-4 AWG     | 1.5-16 mm <sup>2</sup> |
| 600 V        | 1000V AC/DC            |
| 85 A         | 76 A                   |
| 25 lb-in     | 2.0 Nm                 |
| Polyamide 66 |                        |

## Installation Instructions

|                       |    |
|-----------------------|----|
| Wire Stripping Length |    |
| Screw / Stud Size     | M3 |
| Screwdriver           |    |

|             |
|-------------|
| —           |
| M3          |
| Phillips #2 |

|             |
|-------------|
| —           |
| M4          |
| Phillips #2 |

|             |
|-------------|
| —           |
| M5          |
| Phillips #2 |

## Terminal Blocks

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

| Cat. No.     | Std. Pk. |
|--------------|----------|
| <b>CBS3U</b> | 50       |
| CBS3U/R      | 50       |
| CBS3U/BU     | 50       |
| CBS3U/BL     | 50       |
| CBS3U/O      | 50       |
| CBS3U/G      | 50       |
| CBS3U/Y      | 50       |
| CBS3U/W      | 50       |

| Cat. No.     | Std. Pk. |
|--------------|----------|
| <b>CBS4U</b> | 50       |
| CBS4U/R      | 50       |
| CBS4U/BU     | 50       |
| CBS4U/BL     | 50       |
| CBS4U/O      | 50       |
| CBS4U/G      | 50       |
| CBS4U/Y      | 50       |
| CBS4U/W      | 50       |

| Cat. No.     | Std. Pk. |
|--------------|----------|
| <b>CBS5U</b> | 50       |
| CBS5U/R      | 50       |
| CBS5U/BU     | 50       |
| CBS5U/BL     | 50       |
| CBS5U/O      | 50       |
| CBS5U/G      | 50       |
| CBS5U/Y      | 50       |
| CBS5U/W      | 50       |

## Accessories

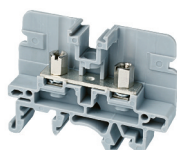
|                            |                                                                      |  |
|----------------------------|----------------------------------------------------------------------|--|
| End Plate                  |                                                                      |  |
| DIN Rail                   |                                                                      |  |
| End Stop                   |                                                                      |  |
| Insulated Jumper Fork Type | 2 pole<br>3 pole<br>4 pole                                           |  |
| Insulated Jumper Ring Lug  | 2 pole<br>3 pole<br>4 pole                                           |  |
| Internal Jumper            | 2 pole<br>3 pole<br>4 pole<br>10 pole                                |  |
| Protective Cover           | 2 Terminal<br>3 Terminal<br>4 Terminal<br>100 mm<br>200 mm<br>300 mm |  |
| Marking Tag                |                                                                      |  |

| Cat. No.   | Std. Pk.         |
|------------|------------------|
| EPCBS3U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA802      | 50               |
| CA514/15-2 | 100              |
| CA514/15-3 | 50               |
| CA514/15-4 | 50               |
| CA514/17-2 | 100              |
| CA514/17-3 | 50               |
| CA514/17-4 | 50               |
| CA728/2    | 100              |
| CA728/3    | 100              |
| CA728/4    | 100              |
| CA728/10   | 10               |
| —          | —                |
| CSTSPC2    | 10               |
| CSTSPC2-1  | 10               |
| CSTSPC1-2  | 10               |
| CSTSPC1-3  | 10               |
| CSTSPC1-4  | 10               |
| MT9        | 1 Pk. (100 tags) |

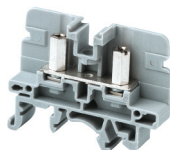
| Cat. No.   | Std. Pk.         |
|------------|------------------|
| EPCBS3U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA802      | 50               |
| CA514/2-2  | 100              |
| CA514/2-3  | 50               |
| CA514/2-4  | 50               |
| CA514/4-2  | 100              |
| CA514/4-3  | 50               |
| CA514/4-4  | 50               |
| CA772/2    | 100              |
| CA772/3    | 100              |
| CA772/4    | 100              |
| CA772/10   | 10               |
| —          | —                |
| CSTSPC2    | 10               |
| CSTSPC2-1  | 10               |
| CSTSPC1-2  | 10               |
| CSTSPC1-3  | 10               |
| CSTSPC1-4  | 10               |
| MT9        | 1 Pk. (100 tags) |

| Cat. No.   | Std. Pk.         |
|------------|------------------|
| EPCBS3U    | 50               |
| 2511120    | 20               |
| CA701-15/S | 20               |
| 2511160    | 10               |
| CA802      | 50               |
| CA514/2-2  | 100              |
| CA514/2-3  | 50               |
| CA514/2-4  | 50               |
| CA514/4-2  | 100              |
| CA514/4-3  | 50               |
| CA514/4-4  | 50               |
| CA772/2    | 100              |
| CA772/3    | 100              |
| CA772/4    | 100              |
| CA772/10   | 10               |
| —          | —                |
| CSTSPC2    | 10               |
| CSTSPC2-1  | 10               |
| CSTSPC1-2  | 10               |
| CSTSPC1-3  | 10               |
| CSTSPC1-4  | 10               |
| MT9        | 1 Pk. (100 tags) |

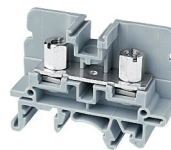
## CSB3/N3U



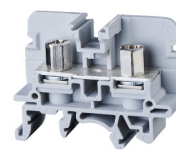
## CSB3/N3UL



## CSB4/N4U



## CSB5/N5U



## Dimensions &amp; 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 |
|-------------------|-------------------------------------------|------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Width             | 9 mm                                      | 9 mm                                           | 13 mm                                     | 13 mm                                     |
| Length            | 49 mm                                     | 49 mm                                          | 49 mm                                     | 49 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                          | 38 mm<br>45.5 mm                          |
| Weight per piece  | 10.2 g                                    | 11.7 g                                         | 19.0 g                                    | 19.0 g                                    |

## Technical Data/Ratings

|                              |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                             |              |                        |              |                        |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--------------|------------------------|
| Approvals                    |    |    |    |    |              |                        |              |                        |
| Wire Size (solid / stranded) | 22-8 AWG                                                                                                                                                                                                                                              | 0.5-6 mm <sup>2</sup>                                                                                                                                                                                                                                 | 22-8 AWG                                                                                                                                                                                                                                                   | 0.5-6 mm <sup>2</sup>                                                                                                                                                                                                                                       | 16-6 AWG     | 1.5-10 mm <sup>2</sup> | 16-4 AWG     | 1.5-16 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               | 50 A                                                                                                                                                                                                                                                  | 41 A                                                                                                                                                                                                                                                  | 50 A                                                                                                                                                                                                                                                       | 41 A                                                                                                                                                                                                                                                        | 65 A         | 57 A                   | 85 A         | 76 A                   |
| Torque                       | 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                 |
| Insulation Material          | Polyamide 66                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                       | Polyamide 66                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                             | Polyamide 66 |                        | Polyamide 66 |                        |

## Installation Instructions

|                       |                     |                        |                        |                        |
|-----------------------|---------------------|------------------------|------------------------|------------------------|
| Wire Stripping Length | —                   | —                      | —                      | —                      |
| Screw / Stud Size     | M3                  | M3                     | M4                     | M5                     |
| Screwdriver           | 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.         |
|------------------|------------|------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate        | EPCBS3U    | 50               | EPCBS3U    | 50               | EPCBS3U    | 50               | EPCBS3U    | 50               |
| 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               |
| End Stop         | CA802      | 50               | CA802      | 50               | CA802      | 50               | CA802      | 50               |
| Insulated Jumper | CA514/15-2 | 100              | CA514/15-2 | 100              | CA514/2-2  | 100              | CA514/2-2  | 100              |
| Fork Type        | CA514/15-3 | 50               | CA514/15-3 | 50               | CA514/2-3  | 50               | CA514/2-3  | 50               |
|                  | CA514/15-4 | 50               | CA514/15-4 | 50               | CA514/2-4  | 50               | CA514/2-4  | 50               |
| Insulated Jumper | CA514/17-2 | 100              | CA514/17-2 | 100              | CA514/4-2  | 100              | CA514/4-2  | 100              |
| Ring Lug         | CA514/17-3 | 50               | CA514/17-3 | 50               | CA514/4-3  | 50               | CA514/4-3  | 50               |
|                  | CA514/17-4 | 50               | CA514/17-4 | 50               | CA514/4-4  | 50               | CA514/4-4  | 50               |
| Internal Jumper  | CA728/2    | 100              | CA728/2    | 100              | CA772/2    | 100              | CA772/2    | 100              |
|                  | CA728/3    | 100              | CA728/3    | 100              | CA772/3    | 100              | CA772/3    | 100              |
|                  | CA728/4    | 100              | CA728/4    | 100              | CA772/4    | 100              | CA772/4    | 100              |
|                  | CA728/10   | 10               | CA728/10   | 10               | CA772/10   | 10               | CA772/10   | 10               |
| Protective Cover | —          | —                | —          | —                | CSTSPC2    | 10               | CSTSPC2    | 10               |
|                  | CSTSPC2    | 10               | CSTSPC2    | 10               | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               |
|                  | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               | —          | —                | —          | —                |
|                  | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               |
|                  | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               |
|                  | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               |
| Marking Tag      | 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

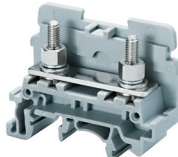
#### FEATURES

- 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

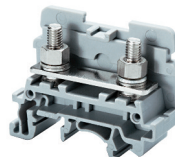
#### APPLICATIONS

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

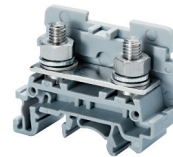
#### CSTSN4U



#### CSTSN5U



#### CSTSN6U



#### Dimensions & Weight

|                   | CSTSN4U                   | CSTSN5U            | CSTSN6U            |
|-------------------|---------------------------|--------------------|--------------------|
| Width             | 17 mm                     | 17 mm              | 17 mm              |
| Length            | 50 mm                     | 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 | 40.7 mm<br>48.0 mm |
| Weight per piece  | 21.5 g                    | 23.4 g             | 30.4 g             |

#### Technical Data/Ratings

| Approvals                    | CE           | UL                     | IEC          | UL                     | IEC          | UL                     | IEC       |
|------------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|-----------|
|                              | E220514      | 60947-7-1              | E220514      | 60947-7-1              | E220514      | 60947-7-1              | 60947-7-1 |
| Wire Size (solid / stranded) | 22-6 AWG     | 1.5-10 mm <sup>2</sup> | 22-4 AWG     | 1.5-16 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               | 65 A         | 57 A                   | 80 A         | 76 A                   | 125 A        | 125 A                  |           |
| Torque                       | 14 lb-in     | 1.2 Nm                 | 25 lb-in     | 2.0 Nm                 | 25 lb-in     | 3.0 Nm                 |           |
| Insulation Material          | Polyamide 66 |                        | Polyamide 66 |                        | Polyamide 66 |                        |           |

#### Installation Instructions

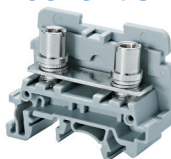
|                       |                     |                     |                     |
|-----------------------|---------------------|---------------------|---------------------|
| Wire Stripping Length | —                   | —                   | —                   |
| Screw / Stud Size     | M4                  | M5                  | M6                  |
| Screwdriver           | 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.         |
|------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate        | EPCSTSU    | 50               | EPCSTSU    | 50               | EPCSTSU    | 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 | CA514/1-2  | 100              | CA514/1-2  | 100              | CA514/7-2  | 100              |
| Fork Type        | CA514/1-3  | 50               | CA514/1-3  | 50               | CA514/7-3  | 50               |
|                  | CA514/1-4  | 50               | CA514/1-4  | 50               | CA514/7-4  | 50               |
| Jumper Ring Lug  | CA514/3-2  | 100              | CA514/3-2  | 100              | CA514/8-2  | 100              |
|                  | CA514/3-3  | 50               | CA514/3-3  | 50               | CA514/8-3  | 50               |
|                  | CA514/3-4  | 50               | CA514/3-4  | 50               | CA514/8-4  | 50               |
| Protective Cover | CSTSPC2    | 10               | CSTSPC2    | 10               | CSTSPC2    | 10               |
|                  | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               |
|                  | —          | —                | —          | —                | —          | —                |
|                  | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               |
|                  | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               |
|                  | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               |
| Marking Tag      | 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**

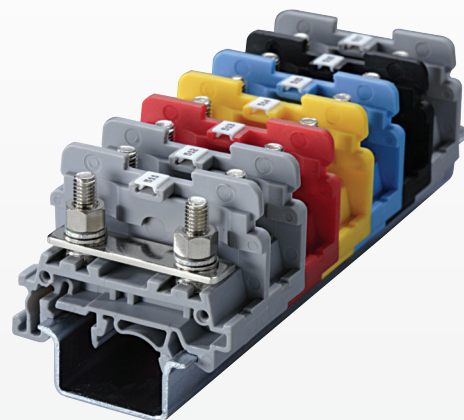
|                       |                        |                        |
|-----------------------|------------------------|------------------------|
| Wire Stripping Length | —                      | —                      |
| Screw / Stud Size     | M4                     | M5                     |
| Screwdriver           | Flat Head 1.0 x 5.5 mm | 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               |
| 32mm                       | CA701-15/S | 20               | CA701-15/S | 20               |
| 35mm                       | 2511160    | 10               | 2511160    | 10               |
| End Stop                   | CA802      | 50               | CA802      | 50               |
| Insulated Jumper Fork Type | CA514/1-2  | 100              | CA514/1-2  | 100              |
| 2 pole                     | CA514/1-3  | 50               | CA514/1-3  | 50               |
| 3 pole                     | CA514/1-4  | 50               | CA514/1-4  | 50               |
| 4 pole                     | CA514/3-2  | 100              | CA514/3-2  | 100              |
| Insulated Jumper Ring Lug  | CA514/3-3  | 50               | CA514/3-3  | 50               |
| 2 pole                     | CA514/3-4  | 50               | CA514/3-4  | 50               |
| 3 pole                     | CSTSPC2    | 10               | CSTSPC2    | 10               |
| 4 pole                     | CSTSPC2-1  | 10               | CSTSPC2-1  | 10               |
| Protective Cover           | —          | —                | —          | —                |
| 2 Terminal                 | CSTSPC1-2  | 10               | CSTSPC1-2  | 10               |
| 3 Terminal                 | CSTSPC1-3  | 10               | CSTSPC1-3  | 10               |
| 4 Terminal                 | CSTSPC1-4  | 10               | CSTSPC1-4  | 10               |
| 100 mm                     |            |                  |            |                  |
| 200 mm                     |            |                  |            |                  |
| 300 mm                     |            |                  |            |                  |
| 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

#### Dimensions & Weight

|                   | STH3                      | STH4               | STH6               |
|-------------------|---------------------------|--------------------|--------------------|
| 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                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                       | Polyamide 66                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                             | Polyamide 66 |                        |

#### Installation Instructions

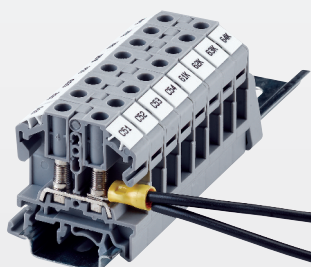
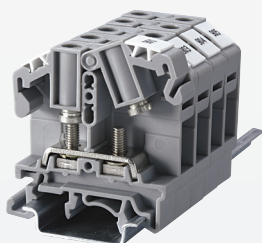
|                       |                      |                      |                        |
|-----------------------|----------------------|----------------------|------------------------|
| Wire Stripping Length | —                    | —                    | —                      |
| Screw / 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

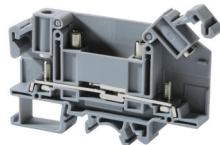
|                        | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. | Cat. No.    | Std. Pk. |
|------------------------|-------------|----------|-------------|----------|-------------|----------|
| <b>Grey (standard)</b> | <b>STH3</b> | 100      | <b>STH4</b> | 50       | <b>STH6</b> | 50       |
| 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

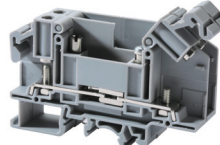
|                   | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         | Cat. No.   | Std. Pk.         |
|-------------------|------------|------------------|------------|------------------|------------|------------------|
| End Plate         | EPSTH3     | 50               | EPSTH4     | 50               | EPSTH6     | 50               |
| DIN Rail          | 2511120    | 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               |
| Jumpers           | CA512/15-2 | 100              | CA512/13-2 | 100              | —          | —                |
| Fork Type         | CA512/15-3 | 50               | CA512/13-3 | 50               | —          | —                |
|                   | CA512/15-4 | 50               | CA512/13-4 | 50               | —          | —                |
| Insulated Jumpers | CA514/15-2 | 100              | CA514/13-2 | 100              | —          | —                |
| Fork Type         | CA514/15-3 | 50               | CA514/13-3 | 50               | —          | —                |
|                   | CA514/15-4 | 50               | CA514/13-4 | 50               | —          | —                |
| Jumpers           | CA512/17-2 | 100              | CA512/14-2 | 100              | —          | —                |
| Ring Lug          | CA512/17-3 | 50               | CA512/14-3 | 50               | —          | —                |
|                   | CA512/17-4 | 50               | CA512/14-4 | 50               | —          | —                |
| Insulated Jumpers | CA514/17-2 | 100              | CA514/14-2 | 100              | —          | —                |
| Ring Lug          | CA514/17-3 | 50               | CA514/14-3 | 50               | —          | —                |
|                   | CA514/17-4 | 50               | CA514/14-4 | 50               | —          | —                |
| Internal Jumpers  | CA773/2    | 100              | —          | —                | CA774/2    | 100              |
|                   | CA773/3    | 50               | —          | —                | CA774/3    | 50               |
|                   | CA773/4    | 50               | —          | —                | CA774/4    | 50               |
|                   | CA773/10   | 10               | —          | —                | —          | —                |
| Marking Tag       | MT8        | 1 Pk. (100 tags) | MT10       | 1 Pk. (100 tags) | MT16       | 1 Pk. (100 tags) |



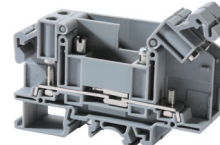
STH4DT



STH4DTSH



STH4DTFT



## Dimensions &amp; Weight

|                    |                           |                    |                    |
|--------------------|---------------------------|--------------------|--------------------|
| Width              | 11 mm                     | 22 mm              | 11 mm              |
| 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) | 22-8 AWG                                                                                                                                                                                                                                              | 1.5-6 mm <sup>2</sup>                                                                                                                                                                                                                                 | 22-8 AWG                                                                                                                                                                                                                                              | 1.5-6 mm <sup>2</sup>                                                                                                                                                                                                                                       | 22-8 AWG     | 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     | M4                   | M4                   | M4                   |
| Screwdriver           | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm | Flat Head 0.8 x 4 mm |

## Terminal Blocks

|      |                                                                                     |        |    |          |    |          |     |
|------|-------------------------------------------------------------------------------------|--------|----|----------|----|----------|-----|
| Grey |  | STH4DT | 50 | STH4DTSH | 24 | STH4DTFT | 100 |
|------|-------------------------------------------------------------------------------------|--------|----|----------|----|----------|-----|

## Accessories

|                             |             |                  |             |                  |             |                  |
|-----------------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| End Plate                   | EPSTH4DT    | 50               | EPSTH4DT    | 50               | EPSTH4DT    | 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               |
| Jumpers                     | CA512/13-2  | 100              | CA512/13-2  | 100              | CA512/13-2  | 100              |
| Fork Type                   | CA512/13-3  | 50               | CA512/13-3  | 50               | CA512/13-3  | 50               |
|                             | CA512/13-4  | 50               | CA512/13-4  | 50               | CA512/13-4  | 50               |
| Insulated Jumpers           | CA514/13-2  | 100              | CA514/13-2  | 100              | CA514/13-2  | 100              |
| Fork Type                   | CA514/13-3  | 50               | CA514/13-3  | 50               | CA514/13-3  | 50               |
|                             | CA514/13-4  | 50               | CA514/13-4  | 50               | CA514/13-4  | 50               |
| Jumpers                     | CA512/14-2  | 100              | CA512/14-2  | 100              | CA512/14-2  | 100              |
| Ring Lug                    | CA512/14-3  | 50               | CA512/14-3  | 50               | CA512/14-3  | 50               |
|                             | CA512/14-4  | 50               | CA512/14-4  | 50               | CA512/14-4  | 50               |
| Insulated Jumpers           | CA514/14-2  | 100              | CA514/14-2  | 100              | CA514/14-2  | 100              |
| Ring Lug                    | CA514/14-3  | 50               | CA514/14-3  | 50               | CA514/14-3  | 50               |
|                             | CA514/14-4  | 50               | CA514/14-4  | 50               | CA514/14-4  | 50               |
| Insulated Alternate Jumpers | CA514/14-3A | 10               | CA514/14-3A | 10               | CA514/14-3A | 10               |
|                             | CA514/14-4A | 10               | CA514/14-4A | 10               | CA514/14-4A | 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

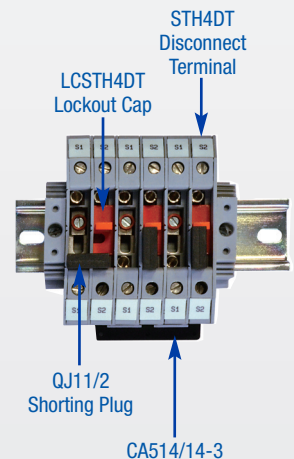
## FEATURES

- 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

## Disconnect / Test Application for Metering CT



# CBB SERIES

STUD / RING LUG TERMINALS

## RING LUG POWER TERMINAL BLOCKS

### HIGHLIGHTS

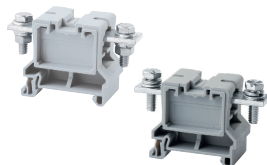
#### FEATURES

- 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

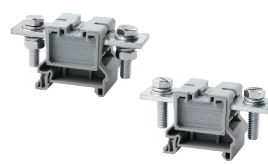
#### APPLICATIONS

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

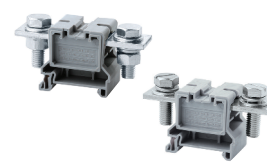
#### CBB35/50 CBB35/50LS



#### CBB70 CBB70LS



#### CBB95 CBB95LS



#### Dimensions & Weight

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

|                                   |
|-----------------------------------|
| 150 A Feed Through Power Terminal |
| 32 mm                             |
| 75 mm                             |
| 47.5 mm<br>54.5 mm                |
| 82.0 g                            |

|                                   |
|-----------------------------------|
| 175 A Feed Through Power Terminal |
| 38 mm                             |
| 92 mm                             |
| 47.5 mm<br>54.5 mm                |
| 157.5 g                           |

|                                   |
|-----------------------------------|
| 230 A Feed Through Power Terminal |
| 38 mm                             |
| 92 mm                             |
| 47.5 mm<br>54.5 mm                |
| 193.0 g                           |

#### Technical Data/Ratings

|                              |              |                        |
|------------------------------|--------------|------------------------|
| Approvals                    |              |                        |
| Wire Size (solid / stranded) | 10-1/0 AWG   | 6-50.0 mm <sup>2</sup> |
| Voltage Rating               | 600 V        | 1000V AC/DC            |
| Current Rating               | 150 A        | 150 A                  |
| Torque                       | 27 lb-in     | 3.0 Nm                 |
| Insulation Material          | Polyamide 66 |                        |

|              |                        |           |
|--------------|------------------------|-----------|
|              |                        |           |
| 8-2/0 AWG    | 6-70.0 mm <sup>2</sup> | 8-4/0 AWG |
| 600 V        | 1000V AC/DC            | 600 V     |
| 175 A        | 192 A                  | 230 A     |
| 54.5 lb-in   | 6.0 Nm                 | 90 lb-in  |
| Polyamide 66 |                        |           |

|              |                         |                         |
|--------------|-------------------------|-------------------------|
|              |                         |                         |
| 8-4/0 AWG    | 16-95.0 mm <sup>2</sup> | 16-95.0 mm <sup>2</sup> |
| 600 V        | 1000V AC/DC             | 600 V                   |
| 230 A        | 232 A                   | 232 A                   |
| 90 lb-in     | 10.0 Nm                 | 10.0 Nm                 |
| Polyamide 66 |                         |                         |

|              |                         |                         |
|--------------|-------------------------|-------------------------|
|              |                         |                         |
| 8-4/0 AWG    | 16-95.0 mm <sup>2</sup> | 16-95.0 mm <sup>2</sup> |
| 600 V        | 1000V AC/DC             | 600 V                   |
| 230 A        | 232 A                   | 232 A                   |
| 90 lb-in     | 10.0 Nm                 | 10.0 Nm                 |
| Polyamide 66 |                         |                         |

#### Installation Instructions

|                       |    |
|-----------------------|----|
| Wire Stripping Length |    |
| Screw / Stud Size     | M6 |
| Screwdriver           |    |

|                                   |
|-----------------------------------|
| —                                 |
| M6                                |
| Wrench M6<br>Flat Head 1 x 5.5 mm |

|                                   |
|-----------------------------------|
| —                                 |
| M8                                |
| Wrench M8<br>Flat Head 1 x 1.5 mm |

|                                    |
|------------------------------------|
| —                                  |
| M10                                |
| Wrench M10<br>Flat Head 1 x 1.5 mm |

#### Terminal Blocks

|                          |  |
|--------------------------|--|
| Grey                     |  |
| Nut & Bolt configuration |  |
| Threaded Current Bar     |  |

|            |          |
|------------|----------|
| Cat. No.   | Std. Pk. |
| CBB35/50   | 10       |
| CBB35/50LS | 10       |

|          |          |
|----------|----------|
| Cat. No. | Std. Pk. |
| CBB70    | 10       |
| CBB70LS  | 10       |

|          |          |
|----------|----------|
| Cat. No. | Std. Pk. |
| CBB95    | 10       |
| CBB95LS  | 10       |

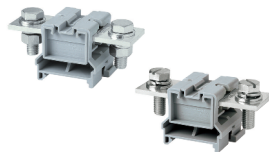
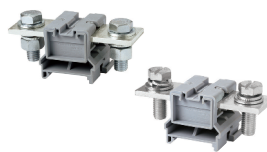
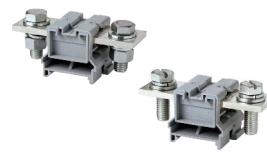
#### Accessories

|                                                   |                                                                  |                                                                                            |                                        |
|---------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|
| Partition Plate                                   |                                                                  | PPCBB                                                                                      | 50                                     |
| DIN Rail                                          |                                                                  | 2511120<br>CA701-15/S                                                                      | 20<br>20                               |
| End Stop                                          |                                                                  | 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 |
| Permanent Jumper Bars                             | 2 pole<br>3 pole                                                 | CA790/2<br>CA790/3                                                                         | 10<br>10                               |
| Marking Tag                                       |                                                                  | MT12                                                                                       | 1 Pk. (100 tags)                       |

|                                                                                            |                                        |
|--------------------------------------------------------------------------------------------|----------------------------------------|
| Cat. No.                                                                                   | Std. Pk.                               |
| PPCBB                                                                                      | 50                                     |
| 2511120<br>CA701-15/S                                                                      | 20<br>20                               |
| CA102<br>CA202                                                                             | 50<br>50                               |
| 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 |
| CA790/2<br>CA790/3                                                                         | 10<br>10                               |
| MT12                                                                                       | 1 Pk. (100 tags)                       |

|                                                                                            |                                        |
|--------------------------------------------------------------------------------------------|----------------------------------------|
| Cat. No.                                                                                   | Std. Pk.                               |
| PPCBB                                                                                      | 50                                     |
| 2511120<br>CA701-15/S                                                                      | 20<br>20                               |
| CA102<br>CA202                                                                             | 50<br>50                               |
| 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 |
| CA791/2<br>CA791/3                                                                         | 10<br>10                               |
| MT16                                                                                       | 1 Pk. (100 tags)                       |

|                                                                     |                                     |
|---------------------------------------------------------------------|-------------------------------------|
| Cat. No.                                                            | Std. Pk.                            |
| PPCBB1                                                              | 50                                  |
| 2511120<br>CA701-15/S                                               | 20<br>20                            |
| CA102<br>CA202                                                      | 50<br>50                            |
| —<br>—<br>CBBPC2/100<br>—<br>CBBPC2/160<br>CBBPC2/200<br>CBBPC2/250 | —<br>—<br>10<br>—<br>10<br>10<br>10 |
| CA791/2<br>CA791/3                                                  | 10<br>10                            |
| 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 |
|------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Width                                          | 48 mm                             | 48 mm                             | 48 mm                             |
| Length                                         | 100 mm                            | 110 mm                            | 110 mm                            |
| Height w DIN Rail<br>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                |
| Weight per piece                               | 244.0 g                           | 316.0 g                           | 319.4 g                           |

**Technical Data/Ratings**

|                                                                                                |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals<br> |  E220514  60947-7-1  |  E220514  60947-7-1  |  E220514  60947-7-1  |
| Wire Size (solid / stranded)                                                                   | <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>                                                                                                                                                                                                                                     |
| Voltage Rating                                                                                 | 600 V 1000V AC/DC                                                                                                                                                                                                                                                       | 600 V 1000V AC/DC                                                                                                                                                                                                                                                        | 600 V 1000V AC/DC                                                                                                                                                                                                                                                             |
| Current Rating                                                                                 | 255 A 269 A                                                                                                                                                                                                                                                             | 285 A 309 A                                                                                                                                                                                                                                                              | 310 A 353 A                                                                                                                                                                                                                                                                   |
| Torque                                                                                         | 90 lb-in 10.0 Nm                                                                                                                                                                                                                                                        | 127 lb-in 14.0 Nm                                                                                                                                                                                                                                                        | 127 lb-in 14.0 Nm                                                                                                                                                                                                                                                             |
| Insulation Material                                                                            | Polyamide 66                                                                                                                                                                                                                                                            | Polyamide 66                                                                                                                                                                                                                                                             | Polyamide 66                                                                                                                                                                                                                                                                  |

**Installation Instructions**

|                                                                                                         |                                    |                                    |                                    |
|---------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Wire Stripping Length  | —                                  | —                                  | —                                  |
| Screw / Stud Size                                                                                       | M10                                | M12                                | M12                                |
| Screwdriver          | 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**

| Accessories                                             |                                                                                                                                                                                          | Cat. No.                                             | Std. Pk.             | Cat. No.                                             | Std. Pk.             | Cat. No.                                             | Std. Pk.             |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------|------------------------------------------------------|----------------------|------------------------------------------------------|----------------------|
| Partition Plate                                         |                                                                                                       | PPCBB1                                               | 50                   | PPCBB1                                               | 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<br>for installing on<br>PPCBB & PPCBB1 | 100 mm<br>160 mm<br>200 mm<br>250 mm<br>                                                              | 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 | 10<br>10<br>10<br>10 |
| Permanent<br>Jumper Bars                                |  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                                   | 10<br>10             |
| Marking Tag                                             |                                                                                                       | MT16 1 Pk. (100 tags)                                |                      | MT16 1 Pk. (100 tags)                                |                      | MT16 1 Pk. (100 tags)                                |                      |

# PTB SERIES

STUD / RING LUG TERMINALS

## HIGHLIGHTS

### FEATURES

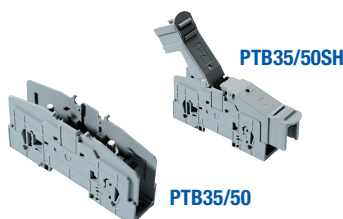
- Panel / DIN Rail mountable
- High Current up to 230A
- Finger safe protective cover (PSPTBXX)
- Modular / stackable design
- 2, 3, 4 pole jumper system

### APPLICATIONS

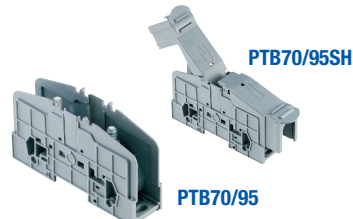
- High Current Power Applications
- Large size wires
- Power Distribution Feeding Applications
- Provides solution when ring / fork lug is needed

## HIGH CURRENT POWER TERMINAL BLOCKS

### PTB35/50 PTB35/50SH



### PTB70/95 PTB70/95SH



### Dimensions & Weight

|                   |                           |                                  |
|-------------------|---------------------------|----------------------------------|
| Width             | 25 mm                     | 32 mm                            |
| Length            | 113 / 169 mm              | 130 / 192 mm                     |
| Height w DIN Rail | 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<br>1.5-50 mm <sup>2</sup> | 8-4/0 AWG<br>1.5-95 mm <sup>2</sup> |
| Voltage Rating               | 600 V<br>1000V AC/DC              | 600 V<br>1000V AC/DC                |
| Current Rating               | 115 A<br>150 A                    | 230 A<br>232 A                      |
| Torque                       | 27 lb-in<br>3.0 Nm                | 87 lb-in<br>10.0 Nm                 |
| Insulation Material          | Polyamide 66                      | Polyamide 66                        |

### Installation Instructions

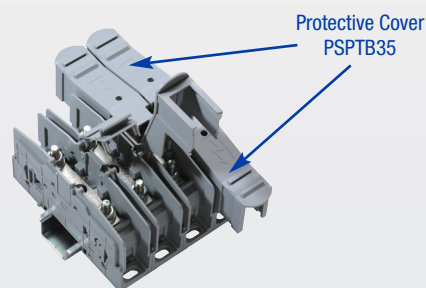
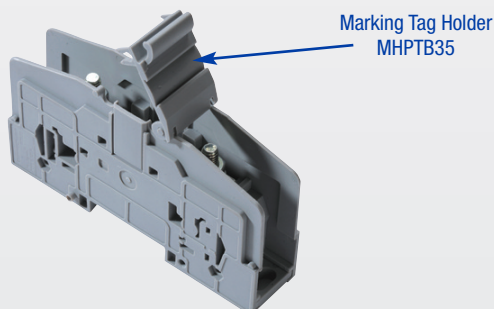
|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Wire Stripping Length | —                    | —                    |
| Screw / Stud Size     | M6                   | M8                   |
| Screwdriver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

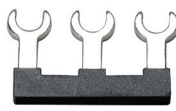
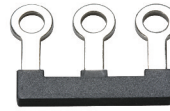
### Terminal Blocks

|      | Cat. No.   | Std. Pk. | Cat. No.   | Std. Pk. |
|------|------------|----------|------------|----------|
| Grey | PTB35/50   | 10       | PTB70/95   | 10       |
|      | PTB35/50SH | 10       | PTB70/95SH | 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      | CA703/9<br>CA704/9<br>CA705/9 | 10<br>10<br>10   | CA703/11<br>CA704/11<br>CA705/11 | 10<br>10<br>10   |
| Marking Tag        | MT9                           | 1 Pk. (100 tags) | MT9                              | 1 Pk. (100 tags) |
| Marking Tag Holder | MHPTB35                       |                  | MHPTB35                          |                  |



Fork Type  
JumperInsulated Fork Type  
JumperRing Lug  
JumperInsulated Ring Lug  
JumperInternal  
JumperAlternate 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                               | N/A      |          |
| CSB3/N3U              | 3 Pole  | CA512/15-3 | 50       | CA514/15-3 | 50       | CA512/17-3 | 50       | CA514/17-3 | 50       | CA728/3  | 50                               |          |          |
| 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                              | N/A      |          |
| CBS5U                 | 3 Pole  | CA512/2-3  | 50       | CA514/2-3  | 50       | CA512/4-3  | 50       | CA514/4-3  | 50       | CA772/3  | 50                               |          |          |
| 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               | 2 Pole  | CA512/1-2  | 100      | CA514/1-2  | 100      | CA512/3-2  | 100      | CA514/3-2  | 100      | N/A      | N/A                              |          |          |
| CSTSN5U               | 3 Pole  | CA512/1-3  | 50       | CA514/1-3  | 50       | CA512/3-3  | 50       | CA514/3-3  | 50       |          |                                  |          |          |
| CSTSN6U               | 4 Pole  | CA512/1-4  | 50       | CA514/1-4  | 50       | CA512/3-4  | 50       | CA514/3-4  | 50       |          |                                  |          |          |
| CSTSB4U               |         |            |          |            |          |            |          |            |          |          |                                  |          |          |
| 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      | N/A      | CA514/14-3A 10<br>CA514/14-4A 10 |          |          |
| STH4DT                | 3 Pole  | CA512/13-3 | 50       | CA514/13-3 | 50       | CA512/14-3 | 50       | CA514/14-3 | 50       |          |                                  |          |          |
| STH4DTFT              | 4 Pole  | CA512/13-4 | 50       | CA514/13-4 | 50       | CA512/14-4 | 50       | CA514/14-4 | 50       |          |                                  |          |          |
| 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



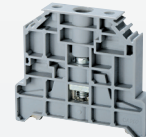
| Cat. No | Dimensions     | Std. Pk. |
|---------|----------------|----------|
| CA802   | 32 x 45 x 8 mm | 50       |

CA707



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

CA202

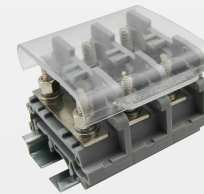


| Cat. No | Dimensions         | Std. Pk. |
|---------|--------------------|----------|
| CA202   | 44.5 x 50 x 9.5 mm | 50       |

## ENDPLATES / PROTECTIVE COVERS



| 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       |



For CBS, CSB, CSTS Series

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

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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