

**MAGNUM**

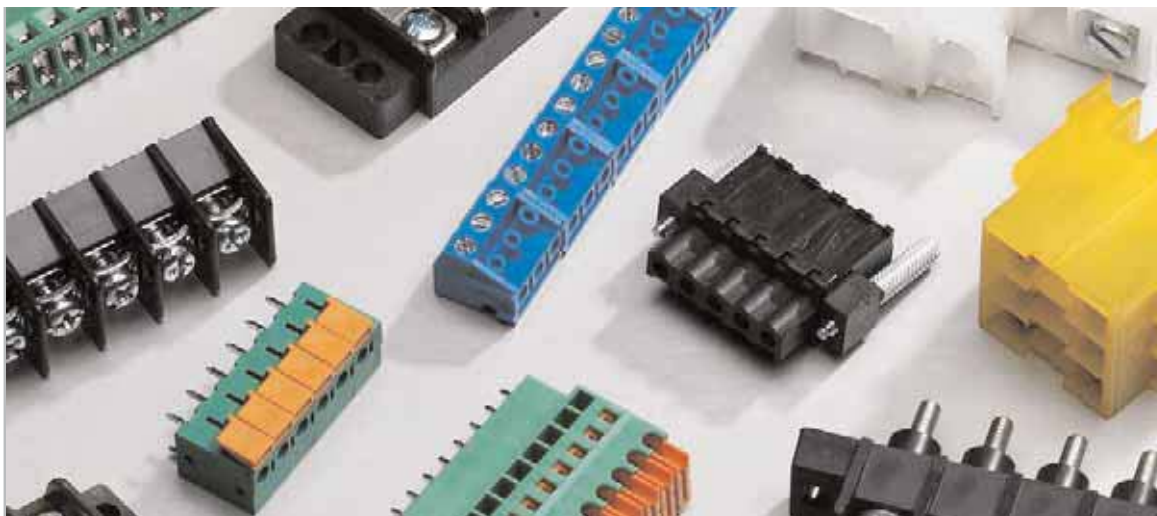


Connect  
with  
Magnum

## Product Catalog

Make Wire Connections Simple and Fast

**COOPER** Bussmann



## Connect with Magnum

### Proven Products for Demanding Applications

For over 50 years, the Magnum name has stood for proven products, custom solutions, quality commitment and superior service – core strengths that help build long-term relationships with our customers.

Magnum quality products support a broad range of electronic and electrical OEM applications. Our product line offers the most comprehensive selection of barrier-style terminal blocks in the industry – as well as:

- North American-style terminal blocks — single row, double row and tri-barrier
- European-style terminal blocks — PCB mount (spring, cage, tiered, high current), screwless, and pluggable
- Power distribution blocks — barrier and dead front, splicer, stud type, multi-line, and power blocks
- Rail and base mount terminal blocks
- DIN rail sectional blocks
- Junction blocks — stud type and feed through
- Edge connectors — vertical and right angle mount

**Electronic:** Our electronic products, including PCB mountable North American and Euro-Mag® terminal blocks, are found in a variety of demanding applications:

- Industrial and environmental controls
- Instrumentation
- Security and alarm systems
- Traffic signals and controls
- Telecom
- Process logic control (PLC)
- Test and measurement
- Power supplies
- Elevators and conveyors



**European-Style PCB Terminal Blocks:** Magnum Euro-Mag® blocks come in a variety

of terminal options to make connections easy and in different wire-entry orientations to solve wire routing issues. These high high-current terminal blocks handle up to 115 amps right on the circuit board and are available in mold-to-length designs to provide the exact number of poles for a specific application.



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Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

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## Series A5000 & Series CB5000

### Single Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 10A, 300V\*

**Center Spacing:** 0.250" (6.35mm)

**Wire Range:** #18-30 AWG CU

**Screw Size:** #3-48 zinc-plated phillslot SEMS screws, wire-ready standard

**Torque Rating:** 4 lb-in.

**Distance Between Barriers:** 0.20" (5.08mm)

**Recommended PCB Hole Diameter:** 0.062" (1.57mm)

**Operating Temperature:** 105°C (221°F) max., -40°C

(-40°F) min.

**Molded Material:** Black, UL Rated 94V0 Thermoplastic

**Breakdown Voltage:** 1600V rms

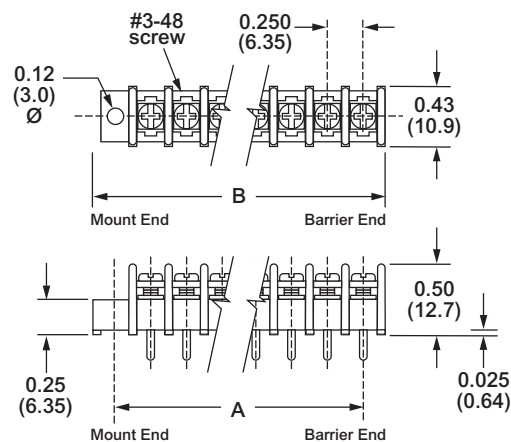
**Agency Information:** UL File E62622; CE Certified

\* Max. rating shown; some options may be rated lower – consult factory.

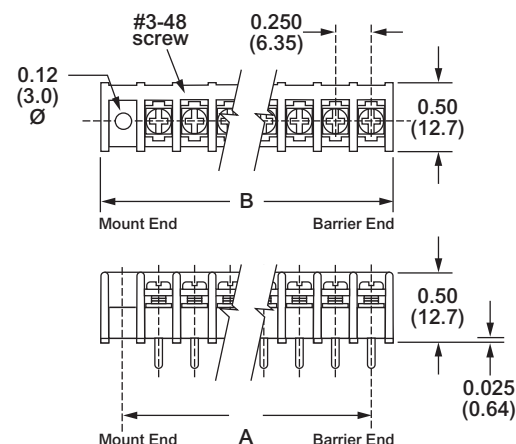


#### Dimensions - in (mm)

##### A5000 Series



##### CB5000 Series



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

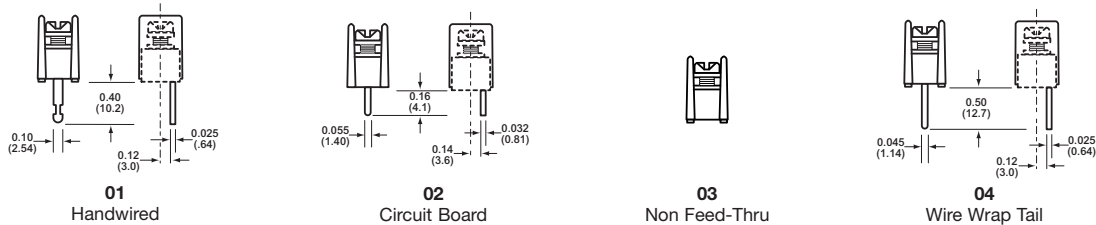
| Poles | MOUNTING ENDS         |                        | BARRIER ENDS         |                        |
|-------|-----------------------|------------------------|----------------------|------------------------|
|       | A<br>Mount<br>Centers | B<br>Overall<br>Length | A<br>Pole<br>Centers | B<br>Overall<br>Length |
| 02    | 0.75                  | 1.06                   | 0.25                 | 0.56                   |
| 03    | 1.00                  | 1.31                   | 0.50                 | 0.81                   |
| 04    | 1.25                  | 1.56                   | 0.75                 | 1.06                   |
| 05    | 1.50                  | 1.81                   | 1.00                 | 1.31                   |
| 06    | 1.75                  | 2.06                   | 1.25                 | 1.56                   |
| 07    | 2.00                  | 2.31                   | 1.50                 | 1.81                   |
| 08    | 2.25                  | 2.56                   | 1.75                 | 2.06                   |
| 09    | 2.50                  | 2.81                   | 2.00                 | 2.31                   |
| 10    | 2.75                  | 3.06                   | 2.25                 | 2.56                   |
| 11    | 3.00                  | 3.31                   | 2.50                 | 2.81                   |
| 12    | 3.25                  | 3.56                   | 2.75                 | 3.06                   |
| 13    | 3.50                  | 3.81                   | 3.00                 | 3.31                   |
| 14    | 3.75                  | 4.06                   | 3.25                 | 3.56                   |
| 15    | 4.00                  | 4.31                   | 3.50                 | 3.81                   |
| 16    | 4.25                  | 4.56                   | 3.75                 | 4.06                   |
| 17    | 4.50                  | 4.81                   | 4.00                 | 4.31                   |
| 18    | 4.75                  | 5.06                   | 4.25                 | 4.56                   |
| 19    | 5.00                  | 5.31                   | 4.50                 | 4.81                   |
| 20    | 5.25                  | 5.56                   | 4.75                 | 5.06                   |
| 21    | 5.50                  | 5.81                   | 5.00                 | 5.31                   |
| 22    | 5.75                  | 6.06                   | 5.25                 | 5.56                   |
| 23    | 6.00                  | 6.31                   | 5.50                 | 5.81                   |
| 24    | 6.25                  | 6.56                   | 5.75                 | 6.06                   |
| 25    | 6.50                  | 6.81                   | 6.00                 | 6.31                   |
| 26    | 6.75                  | 7.06                   | 6.25                 | 6.56                   |
| 27    | 7.00                  | 7.31                   | 6.50                 | 6.81                   |
| 28    | 7.25                  | 7.56                   | 6.75                 | 7.06                   |
| 29    | —                     | —                      | 7.00                 | 7.31                   |
| 30    | —                     | —                      | 7.25                 | 7.56                   |

## Part Numbering System

| Series                                                   | Terminal Style                                                                                                  | Base/End                                       | Poles                                                | Screw Options                             | Options                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A5</b><br><b>CB5</b>                                  |                                                                                                                 |                                                |                                                      |                                           |                                                                                                                                                                                                                                                                                                                                       |
| <b>A5</b> - standard barrier<br><b>CB5</b> - closed back | <b>01</b> - handwired<br><b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>04</b> - wire wrap tail | <b>1</b> - mount end<br><b>2</b> - barrier end | <b>02 to 30</b><br><b>02 to 28</b> on mount end base | <b>07</b> - steel SEMS<br>std. wire ready | <b>C1 to C8</b> - 0.110" QC<br><b>L1 to L6</b> marking options (pg 22)<br><b>LT1 to LT6</b> marking options (CB5 only-pg 22)<br><b>MP</b> - mounting plate 0.120" dia<br><b>*OJ</b> - over barrier jumper<br><b>S1</b> - single solder lug/flat<br><b>S2</b> - double solder lug/flat (A5 only)<br>*Contact factory for configuration |

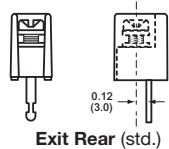
## Terminal Styles

Inches (Millimeters)



## CB5 Terminal Exit Options

Inches (Millimeters)



## Screw Options Wire ready screws standard on all terminal styles (Bulk ordering part numbers are in parentheses.)



**07**  
Steel SEMS  
Zinc-Plated  
(B001-7035-J)



**07**  
Standard  
Wire Ready

## Hardware Options (Bulk ordering part numbers are in parentheses.)

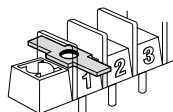
Inches (Millimeters)

## Jumpers

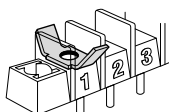


(OJ12-J)

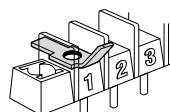
## Quick Connects Blade Width 0.110" (For other orientations, contact factory.)



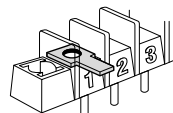
(5C1-J)\*



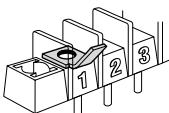
(5C2-J)\*



(5C4-J)\*



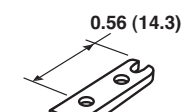
C7 (5C7-J)



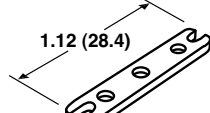
C8 (5C8-J)

\* N/A on CB5 Series.

## Solder Lugs



S1 (5S1-J)



S2 (5S2-J)

## Series A1000 & Series CB1000

### Single Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 20A, 250V\*

**Center Spacing:** 0.325" (8.26mm)

**Wire Range:** #14-22 AWG CU

**Screw Size:** #6-32 zinc-plated phillslot wire-ready screws with a #2 driving recess.

**Torque Rating:** 9 lb-in.

**Base:** Standoffs are standard on CB1000 Series for easy flux washing.

**Distance Between Barriers:** 0.26" (6.6mm)

**Recommended PCB Hole Diameter:** 0.070" (1.78mm)

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Molded Material:** Black, UL Rated 94V0 Thermoplastic

**Breakdown Voltage:** 1600V

**Agency Information:** UL/CSA; IEC Compliance;

CE Certified; UL File: E62622, CSA File: 15364

\*General industrial applications



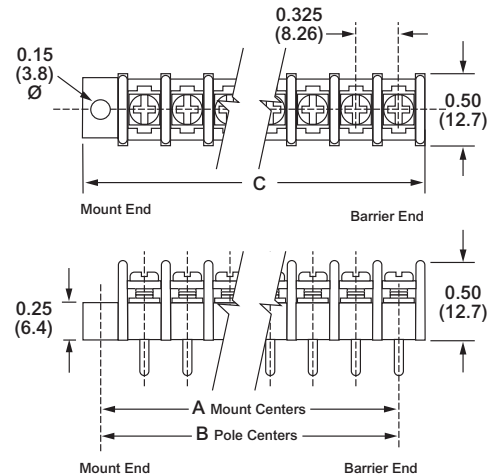
CB10210707



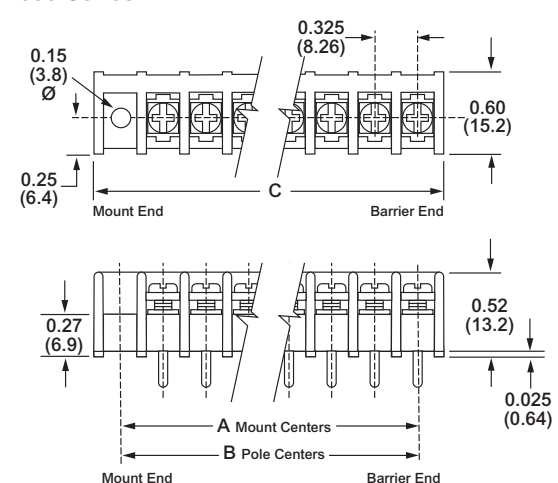
A102206

#### Dimensions - in (mm)

##### A1000 Series



##### CB1000 Series



| Poles | MOUNTING ENDS ONLY<br>A Mount Ctrs. | C Length | BARRIER & MOUNTING ENDS<br>B Pole Ctrs. | BARRIER ENDS ONLY<br>C Length |
|-------|-------------------------------------|----------|-----------------------------------------|-------------------------------|
| 02    | 0.98                                | 1.37     | 0.33                                    | 0.72                          |
| 03    | 1.30                                | 1.69     | 0.65                                    | 1.04                          |
| 04    | 1.63                                | 2.02     | 0.98                                    | 1.37                          |
| 05    | 1.95                                | 2.34     | 1.30                                    | 1.69                          |
| 06    | 2.28                                | 2.67     | 1.63                                    | 2.02                          |
| 07    | 2.60                                | 2.99     | 1.95                                    | 2.34                          |
| 08    | 2.93                                | 3.32     | 2.28                                    | 2.67                          |
| 09    | 3.25                                | 3.64     | 2.60                                    | 2.99                          |
| 10    | 3.58                                | 3.97     | 2.93                                    | 3.32                          |
| 11    | 3.90                                | 4.29     | 3.25                                    | 3.64                          |
| 12    | 4.23                                | 4.62     | 3.58                                    | 3.97                          |
| 13    | 4.55                                | 4.94     | 3.90                                    | 4.29                          |
| 14    | 4.88                                | 5.27     | 4.23                                    | 4.62                          |
| 15    | 5.20                                | 5.59     | 4.55                                    | 4.94                          |
| 16    | 5.53                                | 5.92     | 4.88                                    | 5.27                          |
| 17    | 5.85                                | 6.24     | 5.20                                    | 5.59                          |
| 18    | 6.18                                | 6.57     | 5.53                                    | 5.92                          |
| 19    | 6.50                                | 6.89     | 5.85                                    | 6.24                          |
| 20    | 6.83                                | 7.22     | 6.18                                    | 6.57                          |
| 21    | 7.15                                | 7.54     | 6.50                                    | 6.89                          |
| 22    | 7.48                                | 7.87     | 6.83                                    | 7.22                          |
| 23    | 7.80                                | 8.19     | 7.15                                    | 7.54                          |
| 24    | 8.13                                | 8.52     | 7.48                                    | 7.87                          |
| 25    | 8.45                                | 8.84     | 7.80                                    | 8.19                          |
| 26    | 8.78                                | 9.17     | 8.13                                    | 8.52                          |
| 27    | 9.10                                | 9.49     | 8.45                                    | 8.84                          |
| 28    | 9.43                                | 9.82     | 8.78                                    | 9.17                          |
| 29    | 9.75                                | 10.14    | 9.10                                    | 9.49                          |
| 30    | 10.08                               | 10.47    | 9.43                                    | 9.82                          |
| 31    | 10.40                               | 10.79    | 9.75                                    | 10.14                         |
| 32    | 10.73                               | 11.12    | 10.08                                   | 10.47                         |
| 33    | 11.05                               | 11.44    | 10.40                                   | 10.79                         |
| 34    | 11.38                               | 11.77    | 10.73                                   | 11.12                         |
| 35    | -                                   | -        | 11.05                                   | 11.44                         |
| 36    | -                                   | -        | 11.38                                   | 11.77                         |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

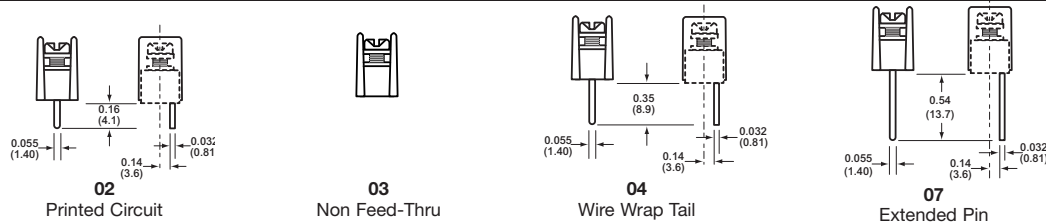
## Part Numbering System

| Series                                                   | Terminal Style                                                                                                     | Base/End                                       | Poles                                                | Screw Options                                                                                                                                                                                                                         | Options                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A1</b>                                                |                                                                                                                    |                                                |                                                      |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>CB1</b>                                               |                                                                                                                    |                                                |                                                      |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>A1</b> - standard barrier<br><b>CB1</b> - closed back | <b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>04</b> - wire wrap tail<br><b>07</b> - extended pin | <b>1</b> - mount end<br><b>2</b> - barrier end | <b>02 to 36</b><br><b>02 to 34</b> on mount end base | Blank - std. screws<br><b>03</b> - stainless steel<br><b>04</b> - nickel brass<br><b>07</b> - steel SEMS & washer (not available with hardware options)<br><b>09</b> - brass/nickel-plated SEMS<br><b>CA</b> - standard captive screw | <b>AB &amp; DR</b> - angle mts. (A1 only-pg 5)<br><b>B1 to B9</b> - 0.187" QC (all positions)<br><b>EB</b> - exit back terminals on CB1 w/07 screw option only<br><b>†JA, JB &amp; JC</b> - barrier jumpers<br><b>L1 to L6</b> marking options (pg 22)<br><b>LT1 to LT6</b> marking options (CB1 only-pg 22)<br><b>MP &amp; MT</b> - mounting plates 0.150 dia (pg 5)<br><b>R26 &amp; R45</b> - right angle bends (A1 only-pg 5) |

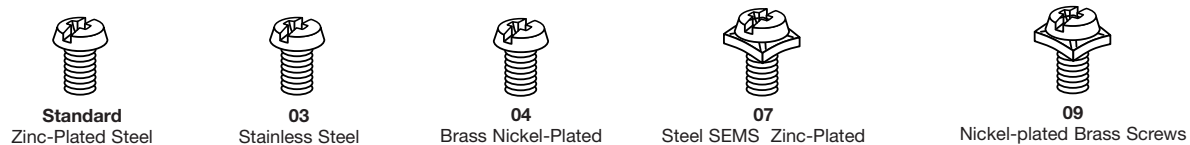
Covers - (pg 23)

## Terminal Styles

Inches (Millimeters)



## Screw Options Wire ready screws standard on all terminal styles



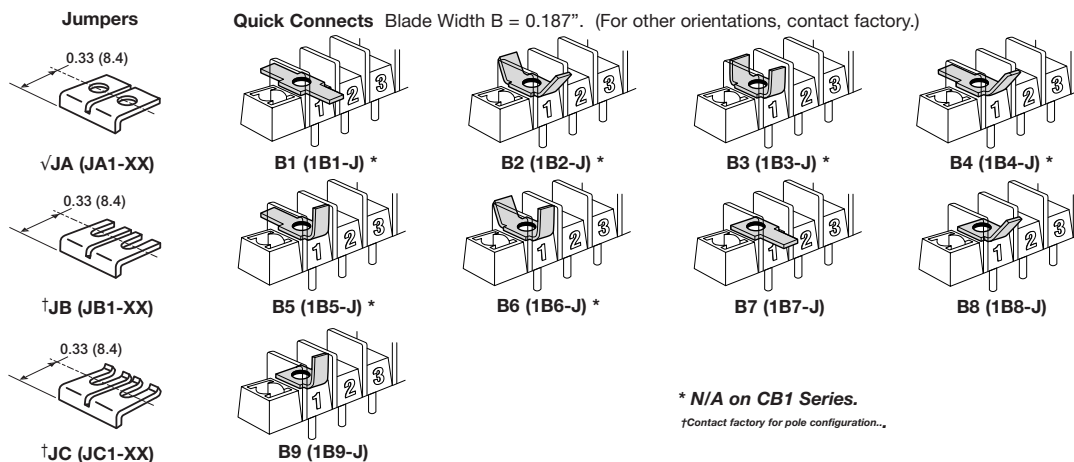
## CB1 Terminal Exit Options

Inches (Millimeters)



## Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)



\* N/A on CB1 Series.

†Contact factory for pole configuration...



## Series A1000 & CB1000

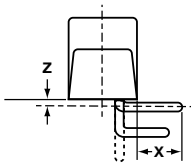
### Single Row Terminal Blocks *Continued*

#### Mounting Options

Inches (Millimeters)

##### Right Angle Bends (A1 only)

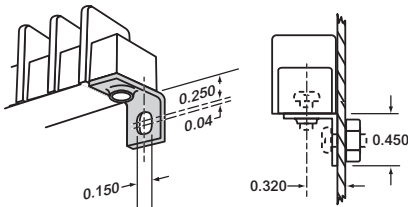
Right angle terminals are offered on the A1000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.



| Bend Option Code       | X (minimum) | Z          |
|------------------------|-------------|------------|
| R26 (04 terminal only) | 0.14 (3.5)  | 0.09 (2.3) |
| R45 (07 terminal only) | 0.33 (8.4)  | 0.09 (2.3) |

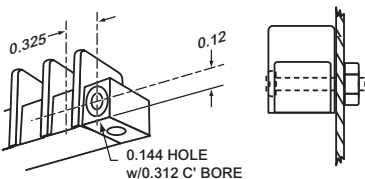
Dimensions in inches. To convert to millimeters, multiply by 25.4.

##### Angle Brackets (A1 only)



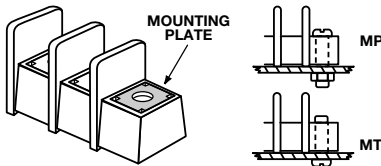
**Option AB**  
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **1AB-J**.

##### Drilled Right Angle (A1 only)



**Option DR**  
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

##### Mounting Plates



**Options MP & MT**  
**MP** Metal inserts with 0.150" (3.8) dia. hole accept #6 screw. **MT** Metal inserts with tapped hole accept #6-32 screw. Bulk part numbers **1MP-J** & **1MT-J**.

## Series A2000, LP2000 & CB2000

### Single Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** A2: 30A, 300V\*

LP2: 30A, 150V\*

CB2: 30A, 300V\*

**Center Spacing:** 0.375" or 3/8" (9.52mm)

**Wire Range:** #12-22 AWG CU

**Screw Size:** #6-32 zinc-plated phillslot

**Torque Rating:** 9 lb-in.

**Base:** Standoffs standard for easy flux washing

**Distance Between Barriers:** 0.32" (8.1mm)

**Recommended PCB Hole Diameter:** 0.076" (1.93mm)

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Molded Material:** Black, UL Rated 94V0 Thermoplastic

**Breakdown Voltage:** 3400V (A2 & LP2); 4100V (CB2).

**Agency Information:** UL File E62622, CSA File 47235;

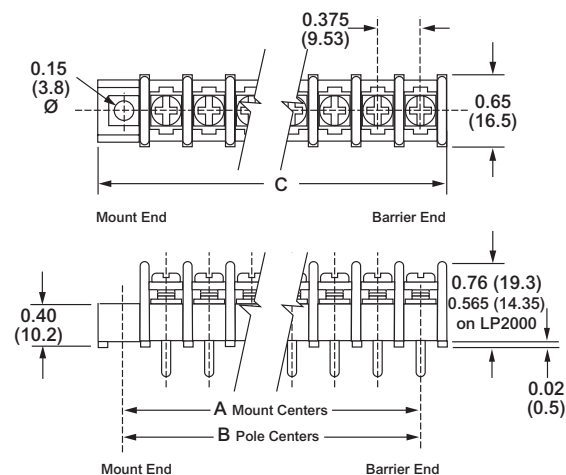
IEC Compliance; CE Certified

\*30A Rating achieved with a #10 copper wire crimped to a ring terminal.;  
20A Rating without ring terminal.

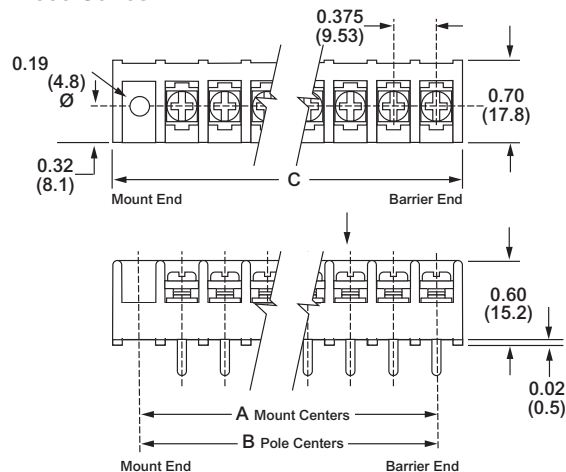


#### Dimensions - in (mm)

##### A2000 & LP2000 Series



##### CB2000 Series



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

| Poles | MOUNTING ENDS ONLY |          | BARRIER & MOUNTING ENDS<br>B Pole Ctrs. | BARRIER ENDS ONLY<br>C Length |
|-------|--------------------|----------|-----------------------------------------|-------------------------------|
|       | A Mount Ctrs.      | C Length |                                         |                               |
| 02    | 1.13               | 1.56     | 0.38                                    | 0.81                          |
| 03    | 1.50               | 1.93     | 0.75                                    | 1.18                          |
| 04    | 1.88               | 2.30     | 1.13                                    | 1.56                          |
| 05    | 2.25               | 2.68     | 1.50                                    | 1.93                          |
| 06    | 2.63               | 3.06     | 1.88                                    | 2.31                          |
| 07    | 3.00               | 3.43     | 2.25                                    | 2.68                          |
| 08    | 3.38               | 3.81     | 2.63                                    | 3.06                          |
| 09    | 3.75               | 4.18     | 3.00                                    | 3.43                          |
| 10    | 4.13               | 4.56     | 3.38                                    | 3.81                          |
| 11    | 4.50               | 4.93     | 3.75                                    | 4.18                          |
| 12    | 4.88               | 5.31     | 4.13                                    | 4.56                          |
| 13    | 5.25               | 5.69     | 4.50                                    | 4.93                          |
| 14    | 5.63               | 6.06     | 4.88                                    | 5.31                          |
| 15    | 6.00               | 6.43     | 5.25                                    | 5.68                          |
| 16    | 6.38               | 6.81     | 5.63                                    | 6.06                          |
| 17    | 6.75               | 7.18     | 6.00                                    | 6.43                          |
| 18    | 7.13               | 7.56     | 6.38                                    | 6.81                          |
| 19    | 7.50               | 7.93     | 6.75                                    | 7.18                          |
| 20    | 7.88               | 8.31     | 7.13                                    | 7.56                          |
| 21    | 8.25               | 8.68     | 7.50                                    | 7.93                          |
| 22    | 8.63               | 9.06     | 7.88                                    | 8.31                          |
| 23    | 9.00               | 9.43     | 8.25                                    | 8.68                          |
| 24    | 9.38               | 9.81     | 8.63                                    | 9.06                          |
| 25    | 9.75               | 10.18    | 9.00                                    | 9.43                          |
| 26    | 10.13              | 10.56    | 9.38                                    | 9.81                          |
| 27    | 10.50              | 10.93    | 9.75                                    | 10.18                         |
| 28    | 10.88              | 11.31    | 10.13                                   | 10.55                         |
| 29    | 11.25              | 11.68    | 10.50                                   | 10.93                         |
| 30    | 11.63              | 12.05    | 10.88                                   | 11.31                         |
| 31    | -                  | -        | 11.25                                   | 11.68                         |
| 32    | -                  | -        | 11.63                                   | 12.05                         |

## Series A2000 & LP2000

### Single Row Terminal Blocks

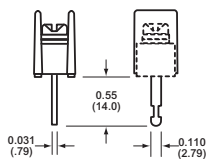
#### Part Numbering System

| Series                                                           | Terminal Style                                                                                                                                                                                                                                                                                                                                             | Base/End                                                                                                                                                                                                                                                                                                                                                                                                                              | Poles                                                | Screw Options                                                                                                                                                                                                                                                                                                                                              | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A2</b>                                                        |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                      |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>LP2</b>                                                       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                      |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>A2</b> - standard barrier<br><b>LP2</b> - low profile barrier | <b>01</b> - handwired<br><b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>04</b> - wire wrap tail<br><b>05</b> - extended handwired<br><b>06</b> - handwired<br><b>07</b> - extended pin<br><b>08</b> - printed circuit<br><b>09</b> - 0.250" QC short<br><b>10</b> - 0.187" QC<br><b>14</b> - printed circuit<br><b>19</b> - 0.250" QC long | <b>0</b> - flat base/molded mount end<br><b>1</b> - flat base/mnt. end<br><b>2</b> - flat base/barrier end<br><b>3</b> - insulator base/mnt. end<br><b>4</b> - insulator base/barrier end<br><b>5</b> - closed base/mount end<br><b>6</b> - closed base/molded mount end<br><b>9</b> - insulator base/molded mount end<br><br>Base/End Note: 0, 6, 9 styles not available with covers. 5 & 6 Styles only available with 03 terminals. | <b>02 to 32</b><br><b>02 to 30</b> on mount end base | Blank - std. screw<br><b>00</b> - screws shipped bulk<br><b>03</b> - stainless steel<br><b>04</b> - brass nickel-plated<br><b>07</b> - steel SEMS (not available with hardware options)<br><b>09</b> - brass SEMS nickel-plated (not available with hardware options)<br><b>CA</b> - captive screw<br><b>WR</b> - wire ready (not available on LP2 series) | <b>AB</b> - angle mnt. options (pg 9)<br><b>A1 to A9</b> - 0.250" QC<br><b>B1 to B9</b> - 0.187" QC<br><b>DR</b> - drilled right angle (pg 9)<br><b>†JA, JB &amp; JC</b> - barrier jumpers<br><b>L1 to L6</b> marking options (pg 22)<br><b>MP, MP8 &amp; MT</b> mounting plates (pg 9)<br><b>†OJ2 &amp; OJ4</b> - over barrier jumpers (not available w/covers)<br><b>RC</b> - retaining clips (pg 9)<br><b>R30 to R77</b> - right angle bends (pg 9)<br><b>SO</b> - stand off insulators (pg 9)<br><b>S1</b> - solder lug/flat<br><br><b>Covers</b> - (pg 23) |

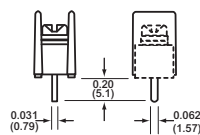
†Contact factory for configuration..

#### Terminal Styles

Inches (Millimeters)



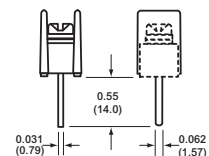
**01**  
Handwired



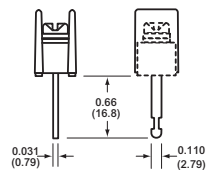
**02**  
Printed Circuit



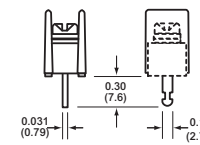
**03**  
Non Feed-Thru



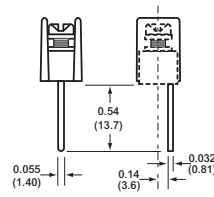
**04**  
Wire Wrap Tail



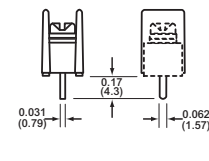
**05**  
Extended Handwired



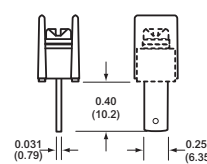
**06**  
Handwired



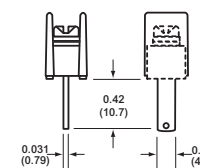
**07**  
Extended Pin



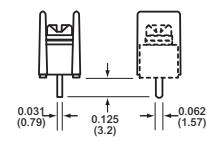
**08**  
Printed Circuit



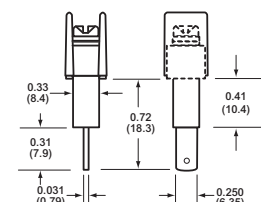
**09**  
0.250" QC short



**10**  
0.187" QC



**14**  
Printed Circuit



**19**  
√0.250" QC long

## Series A2000 & LP2000

Single Row Terminal Blocks *Continued*

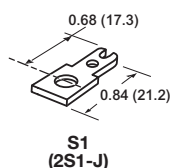
### Screw Options

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| <b>Standard</b><br>zinc-plated Steel                                              | <b>03</b><br>Stainless Steel                                                      | <b>04</b><br>Brass<br>Nickel-Plated                                               | <b>07</b><br>Steel SEMS                                                           | <b>09</b><br>Brass SEMS<br>Nickel-Plated                                            | <b>WR</b><br>Wire Ready                                                             |

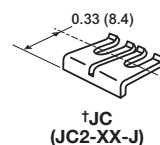
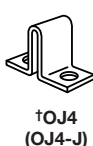
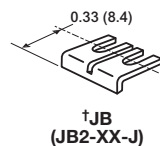
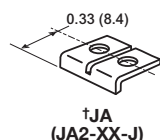
### Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

#### Solder Lugs

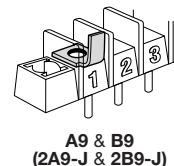
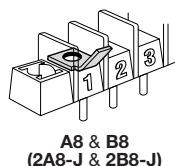
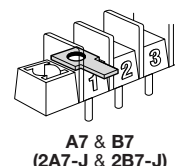
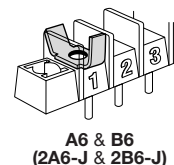
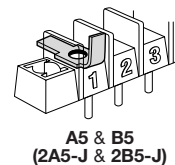
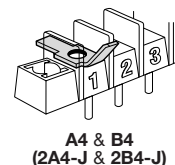
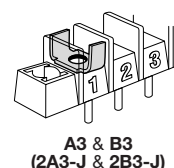
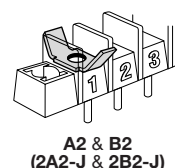
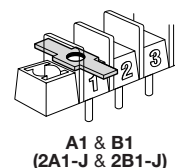


#### Jumpers



#### Quick Connects

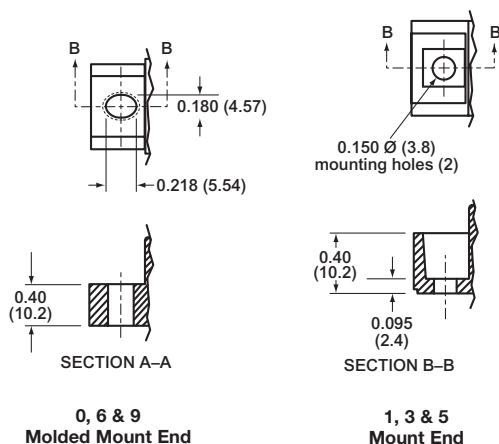
Blade Width A = 0.250" Blade Width B = 0.187"



†Contact factory for configuration.

### Base/End Options

Inches (Millimeters)



## Series A2000 & LP2000

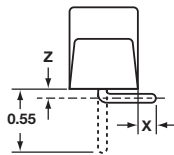
### Single Row Terminal Blocks *Continued*

#### Mounting Options

##### Right Angle Bends (A2, LP2 only)

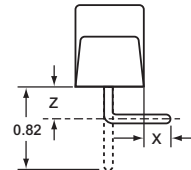
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.

##### 04 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available w/insulator base |
|------------------|-------------|------|----------------------------|
| R30              | 0.04        | 0.28 | No                         |
| R35              | 0.01        | 0.23 | No                         |
| R36              | 0.02        | 0.22 | No                         |
| R39              | 0.05        | 0.19 | No                         |
| R42              | 0.08        | 0.16 | No                         |
| R46              | 0.12        | 0.12 | No                         |
| R48              | 0.14        | 0.10 | No                         |
| R50              | 0.16        | 0.08 | No                         |

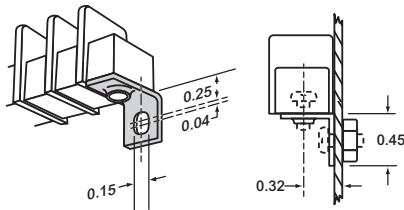
##### 07 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available w/insulator base |
|------------------|-------------|------|----------------------------|
| R30              | 0.04        | 0.55 | Yes                        |
| R35              | 0.01        | 0.50 | Yes                        |
| R36              | 0.02        | 0.49 | Yes                        |
| R42              | 0.08        | 0.43 | Yes                        |
| R46              | 0.12        | 0.39 | Yes                        |
| R50              | 0.16        | 0.35 | No                         |
| R53              | 0.19        | 0.32 | No                         |
| R66              | 0.32        | 0.19 | No                         |
| R69              | 0.35        | 0.16 | No                         |
| R75              | 0.41        | 0.10 | No                         |
| R77              | 0.43        | 0.08 | No                         |

Dimensions in inches. To convert to millimeters, multiply by 25.4.

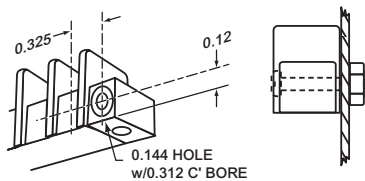
##### Angle Brackets (A2, LP2 only)



##### Option AB

Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

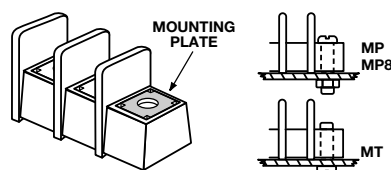
##### Drilled Right Angle (A2, LP2 only)



##### Option DR

Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

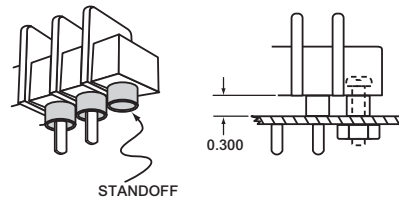
##### Mounting Plates



##### Options MP, MP8 & MT

**MP** Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

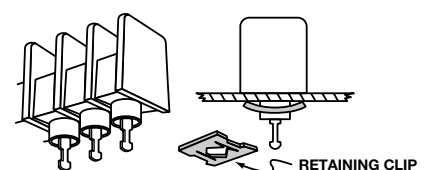
##### Standoffs



##### Option SO

Standoff mounts are tubes molded to the mounting positions. Available with insulator bases only.

##### Retaining Clip



##### Option RC

Use on standoff tubes. Fit panels up to 0.125" thick. Two clips for every five positions. Supplied unassembled. Bulk part number **H541-J**.



## Series CB2000

## Single Row Terminal Blocks

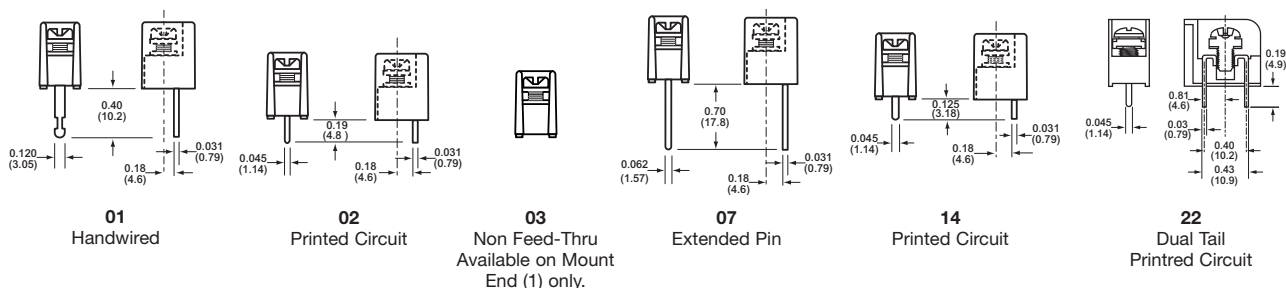
## Part Numbering System

| Series                   | Terminal Style                                                                                                                                                                        | Base/End                                       | Poles                                                | Screws                                                                                                                                                                                               | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                                                                                                                                                                                       |                                                |                                                      |                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>CB2</b> - closed back | <b>01</b> - handwired<br><b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>07</b> - extended pin<br><b>14</b> - printed circuit<br><b>22</b> - dual tail printed circuit | <b>1</b> - mount end<br><b>2</b> - barrier end | <b>02 to 32</b><br><b>02 to 30</b> on mount end base | <b>03</b> - stainless steel<br><b>04</b> - brass nickel-plated<br><b>07</b> - steel SEMS standard<br><b>09</b> - brass SEMS nickel-plated<br><b>CA</b> - captive screw<br><b>07CA</b> - SEMS captive | <b>*AB</b> - angle mounting brackets (pg 11)<br><b>A7 to A9</b> - 0.250" QC<br><b>B7 to B9</b> - 0.187" QC<br><b>EB</b> - exit back terminals<br><b>EF</b> - exit front terminals<br><b>†JA, JB &amp; JC</b> - barrier jumpers<br><b>L1 to L6</b> marking options (pg 22)<br><b>LT1 to LT6</b> marking options (pg 22)<br><b>†OJ2 &amp; OJ4</b> - over barrier jumpers<br><b>MP, MP8, MT &amp; MT8</b> mtg. plates (pg 11)<br><b>S1</b> - solder lug/flat |

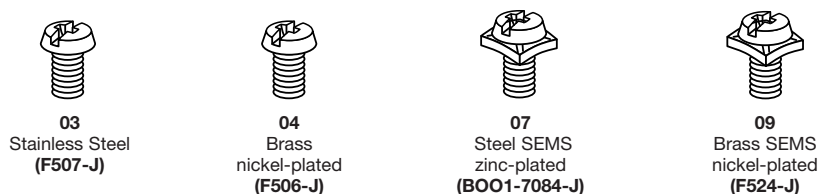
\*Only available on 3-poles and up.  
 †Contact factory for configuration.

## Terminal Styles

Inches (Millimeters)



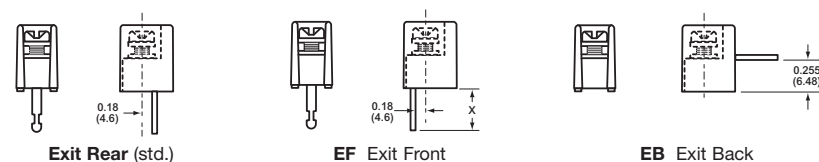
## Screw Options (Bulk ordering part numbers are in parentheses.)



\* NOTE: Wire ready screws standard on all terminal styles.

## CB2 Terminal Exit Options

Inches (Millimeters)



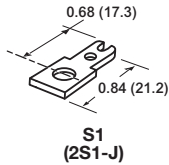
## Series CB2000

### Single Row Terminal Blocks

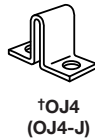
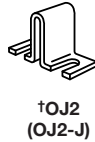
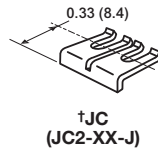
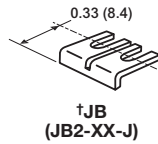
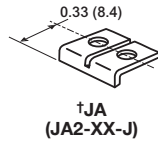
#### Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

##### Solder Lugs

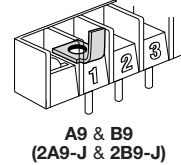
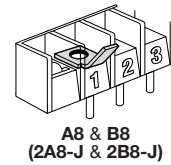
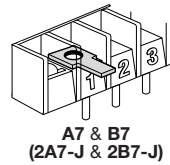


##### Jumpers



##### Quick Connects

Blade Width A = 0.250". Blade Width B = 0.187".

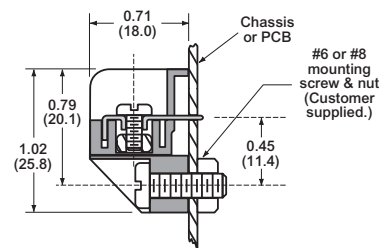
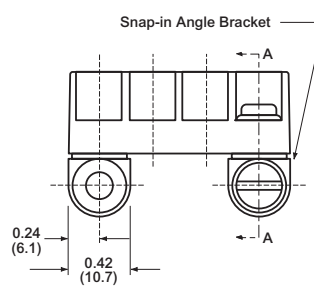
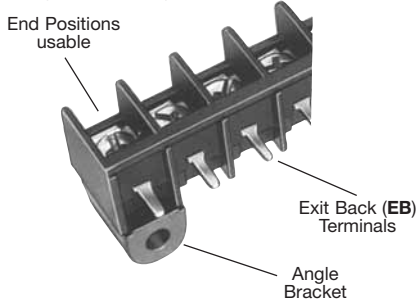


†Contact factory for configuration.

#### Mounting Options

Inches (Millimeters)

##### Right Angle Mounting Bracket

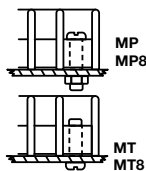
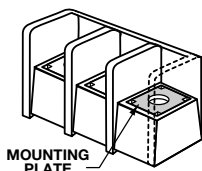


##### Option AB

##### Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- Bracket snaps securely on block (no hardware required).
- Minimum strip length (end positions are usable).
- Mount with #6-32 or #8-32 screws (not supplied).

##### Mounting Plates



##### Options MP, MP8, MT & MT8

**MP** Metal inserts with 0.150" dia. hole accept #6 screw.

**MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw.

**MT** Metal inserts with tapped hole accept #6-32 screw.

**MT8** Metal inserts with tapped hole accept #8-32 screw.

## Series A3000, LP3000 & CB3000

### Single Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** A3: 30A, 600V\* #12-22 AWG  
 LP3: 30A, 150V #12-22 AWG  
 CB3: 30A, 600V #12-22 AWG

**Wire Range:** #12-22 AWG CU

**Center Spacing:** 0.437" or 7/16" (11.10mm)

**Screw Size:** #6-32 zinc-plated phillips screws.

**Torque Rating:** 9 lb-in.

**Base:** Standoffs standard for easy flux washing.

**Distance Between Barriers:** 0.32" (8.1mm)

**Recommended PCB Hole Diameter:** 0.076" (1.93mm)

**Operating Temperature:** 105°C (221°F) max., -40°C

(-40°F) min.

**Molded Material:** Black, UL Rated 94V0 Thermoplastic

**Breakdown Voltage:** 3500V (A3 & LP3); 8200V (CB3)

**Agency Information:** UL File E62622, CSA 47235;

IEC Compliance, CE Certified

\*30A Rating achieved with a #10 copper wire crimped to a ring terminal;  
 20 Rating without ring terminal.

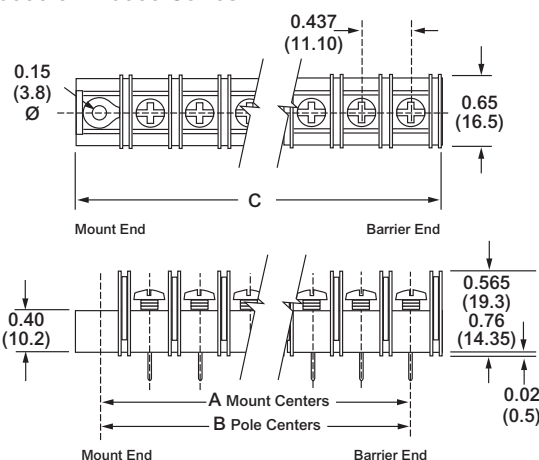
A31940707WR

LP301105

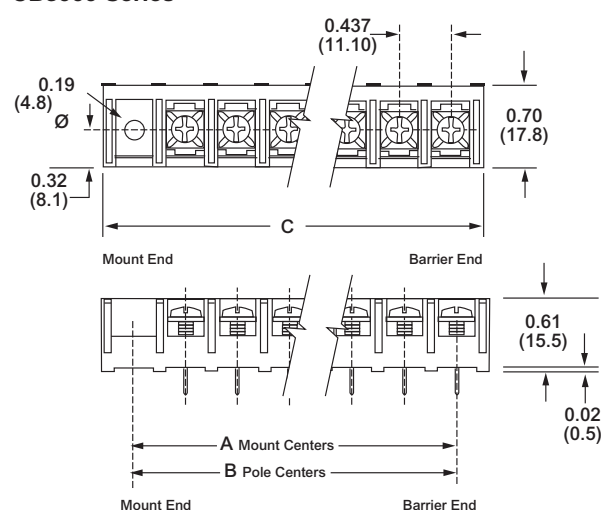
CB31420807

#### Dimensions - in (mm)

##### A3000 & LP3000 Series



##### CB3000 Series



Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Series A3000 & LP3000

### Single Row Terminal Blocks

#### Part Numbering System

| Series                                                           | Terminal Style                                                                                                                                                                                                                                                                                                                                          | Base/End<br>(Views pg. 15)                                                                                                                                                            | Poles                                                                             | Screw Options                                                                                                                                                                                                                                                                                                                                                   | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A3</b><br><b>LP3</b>                                          |                                                                                                                                                                                                                                                                        |                                                                                                      |  |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>A3</b> - standard barrier<br><b>LP3</b> - low profile barrier | <b>01</b> - handwired<br><b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>04</b> - wire wrap tail<br><b>05</b> - extended handwired<br><b>06</b> - handwired<br><b>07</b> - extended pin<br><b>08</b> - printed circuit<br><b>09</b> - 0.250 QC short<br><b>10</b> - 0.187 QC<br><b>14</b> - printed circuit<br><b>19</b> - 0.250 QC long | <b>1</b> - flat base/mnt. end<br><b>2</b> - flat base/barrier end<br><b>3</b> - insulator base/mnt. end<br><b>4</b> - insulator base/barrier end<br><b>*5</b> - closed base/mount end | <b>02 to 28</b><br><b>02 to 26</b> on mount end base                              | Blank - std. screw<br><b>00</b> - screws shipped bulk<br><b>03</b> - stainless steel<br><b>04</b> - brass nickel-plated<br><b>07</b> - steel SEMS zinc-plated (not available with hardware options)<br><b>09</b> - brass SEMS nickel-plated (not available with hardware options)<br><b>07WR</b> - steel SEMS wire ready (A3 only)<br><b>CA</b> - captive screw | <b>AB</b> - angle mnt. options (pg 15)<br><b>A1 to A9</b> - 0.250" QC<br><b>B1 to B9</b> - 0.187" QC<br><b>DR</b> - drilled right angle (pg 15)<br><b>†J201</b> - flat slip-on jumper<br><b>L1 to L6</b> marking options (pg 22)<br><b>MP, MP8 &amp; MT</b> mounting plates (pg 15)<br><b>†OJ3, OJ5 &amp; OJ7</b> - over barrier jumpers<br><b>RC</b> - retaining clips (pg 15)<br><b>R30 to R77</b> - right angle bends (pg 15)<br><b>SO</b> - stand off insulators (pg 15)<br><b>S1</b> - solder lug/flat |

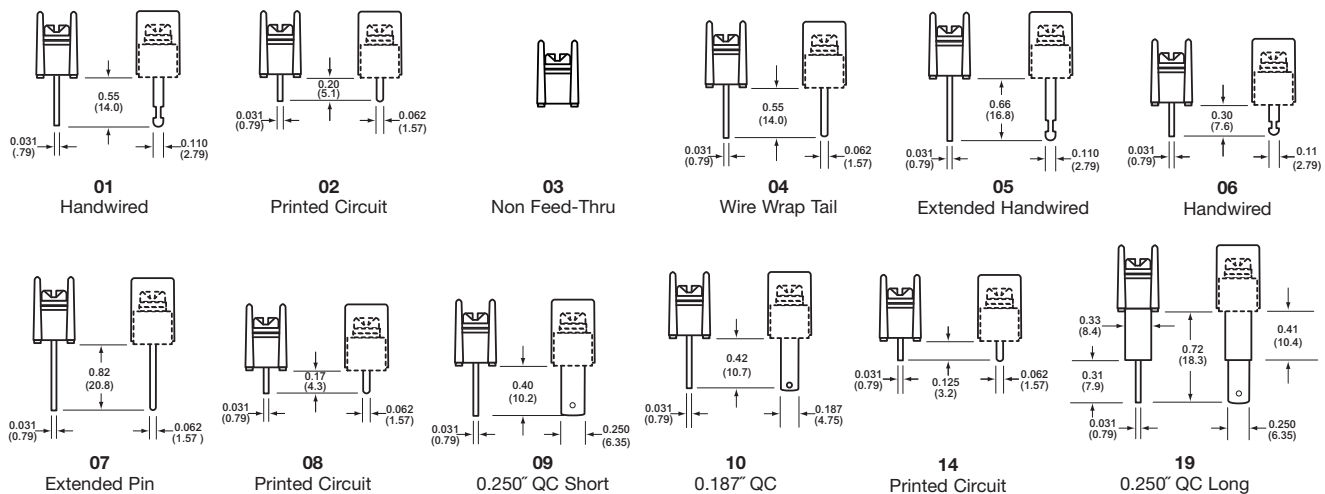
\*Base/End Note: 5 Style only available with 03 terminals.

ready (A3 only)

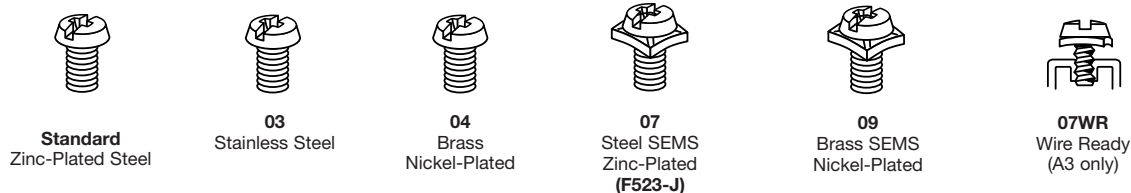
†Contact factory for configuration.

#### Terminal Styles

Inches (Millimeters)



#### Screw Options



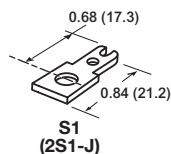
## Series A3000 &amp; LP3000

Single Row Terminal Blocks *Continued*

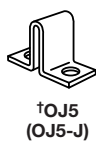
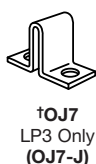
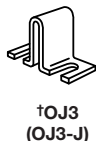
## Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

## Solder Lugs

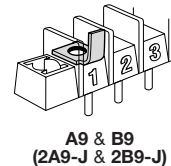
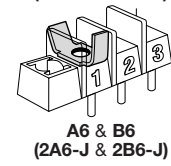
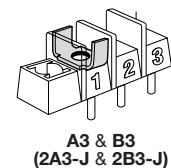
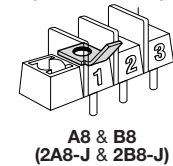
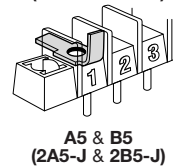
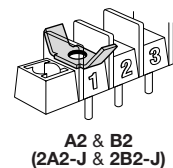
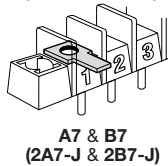
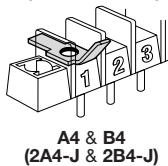
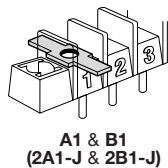


## Jumpers



## Quick Connects

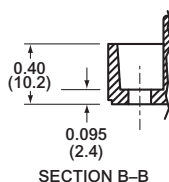
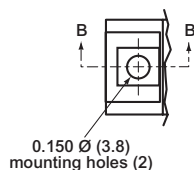
Blade Width A = 0.250" Blade Width B = 0.187"



†Contact factory for pole configuration.

## Base/End Options

Inches (Millimeters)



1, 3 &amp; 5 Mount End



## Series A3000 & LP3000

### Single Row Terminal Blocks *Continued*

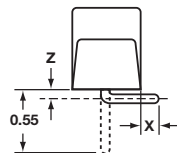
#### Mounting Options

Inches (Millimeters)

##### Right Angle Bends (A3, LP3 only)

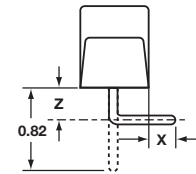
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.

##### 04 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available w/insulator base |
|------------------|-------------|------|----------------------------|
| R30              | 0.04        | 0.28 | No                         |
| R35              | 0.01        | 0.23 | No                         |
| R36              | 0.02        | 0.22 | No                         |
| R39              | 0.05        | 0.19 | No                         |
| R42              | 0.08        | 0.16 | No                         |
| R46              | 0.12        | 0.12 | No                         |
| R48              | 0.14        | 0.10 | No                         |
| R50              | 0.16        | 0.08 | No                         |

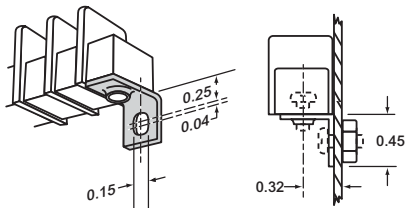
##### 07 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available w/insulator base |
|------------------|-------------|------|----------------------------|
| R30              | 0.04        | 0.55 | Yes                        |
| R35              | 0.01        | 0.50 | Yes                        |
| R36              | 0.02        | 0.49 | Yes                        |
| R50              | 0.16        | 0.35 | No                         |
| R53              | 0.19        | 0.32 | No                         |
| R66              | 0.32        | 0.19 | No                         |
| R69              | 0.35        | 0.16 | No                         |
| R75              | 0.41        | 0.10 | No                         |
| R77              | 0.43        | 0.08 | No                         |

Dimensions in inches. To convert to millimeters, multiply by 25.4.

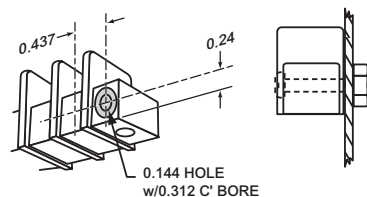
##### Angle Brackets (A3, LP3 only)



##### Option AB

Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

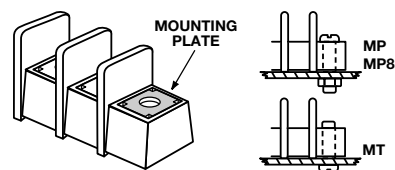
##### Drilled Right Angle (A3, LP3 only)



##### Option DR

Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

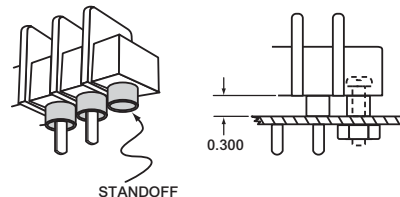
##### Mounting Plates



##### Options MP, MP8 & MT

**MP** Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

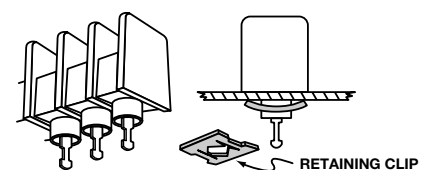
##### Standoffs



##### Option SO

Standoff mounts are tubes molded to the mounting positions. Available with insulator bases only.

##### Retaining Clip



##### Option RC

Use on standoff tubes. Fit panels up to 0.125" thick. Two clips for every five positions. Supplied unassembled. Bulk part number **H541-J**.

## Series CB3000

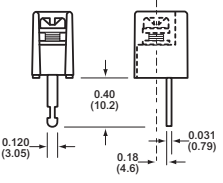
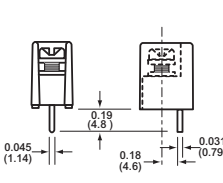
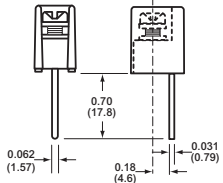
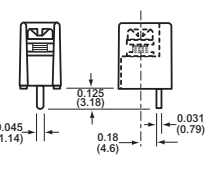
## Single Row Terminal Blocks

## Part Numbering System

| Series                                                                            | Terminal Style                                                                                                                                                                                                                                                                                                                                                                              | Base/End                                                                               | Poles                                                                             | Screws                                                                                                      | Options                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                                                                                                                                            |       |  |                           |                                                                                                                                                                                                                                                                                                                 |
| <b>CB3</b> - closed back                                                          | <b>01</b> - handwired #6-32 screw<br><b>02</b> - printed circuit #6-32 screw<br><b>03</b> - non feed-thru #6-32 screw<br><b>07</b> - extended pin #6-32 screw<br><b>14</b> - printed circuit #6-32 screw<br><b>51</b> - handwired #8-32*<br><b>52</b> - printed circuit #8-32*<br><b>53</b> - non feed-thru #8-32*<br><b>57</b> - extended pin #8-32*<br><b>64</b> - printed circuit #8-32* | <b>1</b> - mount end<br><b>2</b> - barrier end<br><b>5</b> - closed base/<br>mount end | <b>02 to 28</b><br><b>02 to 26</b> on mount<br>end base                           | <b>07</b> - steel SEMS<br>(standard)<br><b>09</b> - brass SEMS<br>nickel-plated<br><b>CA</b> - SEMS captive | <b>AB</b> - angle mounting brackets (pg 17)<br><b>A7 to A9</b> - 0.250" QC<br><b>B7 to B9</b> - 0.187" QC<br><b>EB</b> - exit back terminals<br><b>L1 to L6</b> marking options (pg 22)<br><b>LT1 to LT6</b> marking options (pg 22)<br><b>†OJ3 &amp; OJ7</b> - over barrier jumpers<br><b>MP, MP8, MT &amp; MT8</b> mtg. plates (pg 17)<br><b>S1</b> - solder lug/flat<br><b>Covers</b> - (pg 23) |
|                                                                                   | *Note: #8-32 screw is a special<br>with #6-32 head.                                                                                                                                                                                                                                                                                                                                         | Base/End Note: 5 Style only available<br>with 03 terminals.                            |                                                                                   |                                                                                                             | †Contact factory for configuration.                                                                                                                                                                                                                                                                                                                                                                |

## Terminal Styles

Inches (Millimeters)

|                                                                                     |                                                                                     |                                                                                                        |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |                     |  |  |
| <b>01</b><br>Handwired #6-32 screw<br><b>51</b><br>#8-32 screw                      | <b>02</b><br>Printed Circuit #6-32 screw<br><b>52</b><br>#8-32 screw                | <b>03</b><br>Non Feed-Thru #6-32 screw<br><b>53</b><br>#8-32 screw<br>Available on Mount End (5) only. | <b>07</b><br>Extended Pin #6-32 screw<br><b>57</b><br>#8-32 screw                    | <b>14</b><br>Printed Circuit #6-32 screw<br><b>64</b><br>#8-32 screw                  |

## Screw Options



**07**  
Steel SEMS  
Zinc-Plated  
(standard)

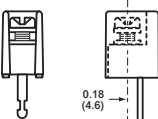
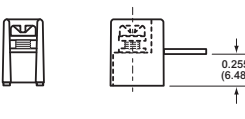


**09**  
Brass SEMS  
Nickel-Plated

\* NOTE: Wire ready screws standard on all terminal styles.

## CB3 Terminal Exit Options

Inches (Millimeters)

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| <b>Exit Rear (std.)</b>                                                             | <b>EB</b><br>Exit Back                                                              |

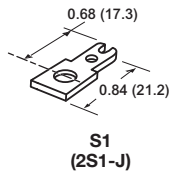
## Series CB3000

### Single Row Terminal Blocks *Continued*

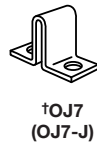
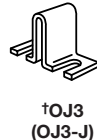
#### Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

##### Solder Lugs

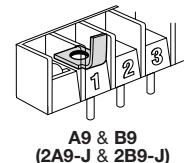
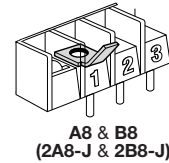
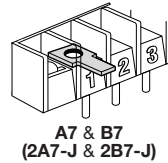


##### Jumpers



##### Quick Connects

Blade Width A = 0.250". Blade Width B = 0.187".

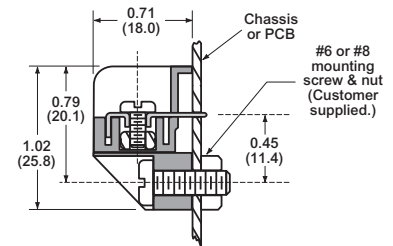
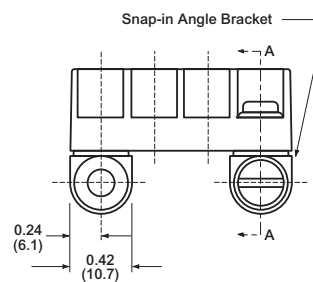
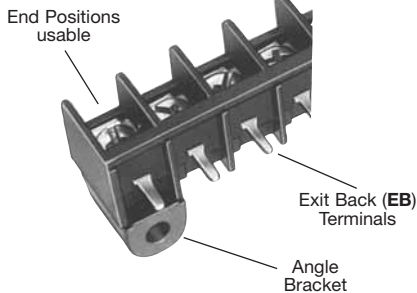


†Contact factory for pole configuration.

#### Mounting Options

Inches (Millimeters)

##### Right Angle Mounting Bracket

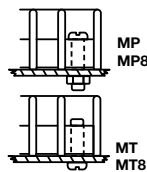
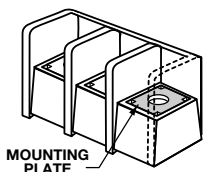


Option AB

##### Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- Bracket snaps securely on block (no hardware required).
- Minimum strip length (end positions are usable).
- Mount with #6-32 or #8-32 screws (not supplied).

##### Mounting Plates



##### Options MP, MP8, MT & MT8

**MP** Metal inserts with 0.150" dia. hole accept #6 screw.

**MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw.

**MT** Metal inserts with tapped hole accept #6-32 screw.

**MT8** Metal inserts with tapped hole accept #8-32 screw.

**Series A38 / B38**

## Single Row Terminal Blocks

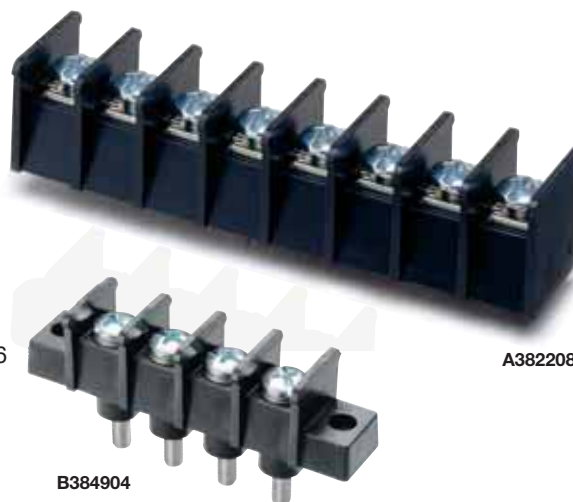
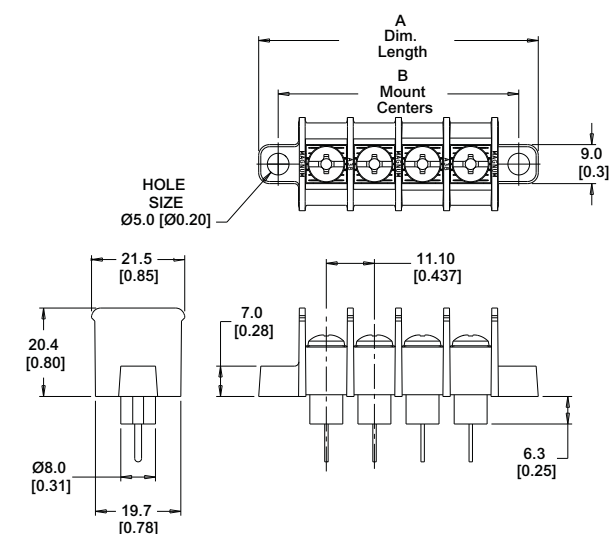
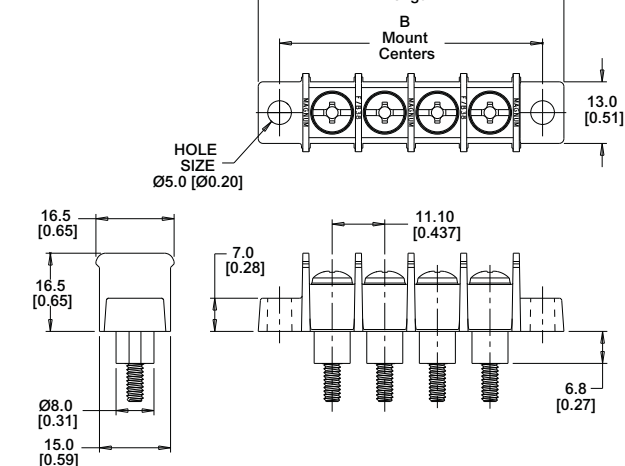
**SPECIFICATIONS****Rating:** A38: 30A, 600V

B38: 50A, 300V

**Center Spacing:** 0.437" (11.10mm)**Wire Range:** A38: #10-22 AWG CU; B38: #8-16 AWG**Screw Size:** #8-32 zinc-plated steel**Torque Rating:** A38: 9 lb-in; B38: 15 lb-in for #8, 9 lb-in for #6**Base:** A38 Only: Standoffs standard for easy flux washing**Distance Between Barriers:** 0.378" (9.60mm)**Recommended PCB Hole Diameter (A38):** 0.076" (1.93mm)**Operating Temperature:** 221°F (105°C)**Molded Material:** Black, UL Rated 94V0 Thermoplastic**Breakdown Voltage:** 5000V**Agency Information:** UL File E62622, CSA File 47235;  
CE Certified**TABLE A**

| Poles | MOUNTING<br>ENDS ONLY |                    | BARRIER<br>ENDS ONLY |  |
|-------|-----------------------|--------------------|----------------------|--|
|       | B<br>Mount Ctrs.      | "A"<br>Dim. Length | "A"<br>Dim. Length   |  |
| 02    | 1.31                  | 1.67               | 0.93                 |  |
| 03    | 1.75                  | 2.10               | 1.37                 |  |
| 04    | 2.19                  | 2.54               | 1.81                 |  |
| 05    | 2.62                  | 2.98               | 2.25                 |  |
| 06    | 3.06                  | 3.41               | 2.68                 |  |
| 07    | 3.50                  | 3.85               | 3.12                 |  |
| 08    | 3.93                  | 4.29               | 3.56                 |  |
| 09    | 4.37                  | 4.72               | 3.99                 |  |
| 10    | 4.81                  | 5.16               | 4.43                 |  |
| 11    | 5.24                  | 5.60               | 4.87                 |  |
| 12    | 5.68                  | 6.04               | 5.30                 |  |
| 13    | 6.12                  | 6.47               | 5.74                 |  |
| 14    | 6.56                  | 6.91               | 6.18                 |  |
| 15    | 6.99                  | 7.35               | 6.61                 |  |
| 16    | 7.43                  | 7.78               | 7.05                 |  |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

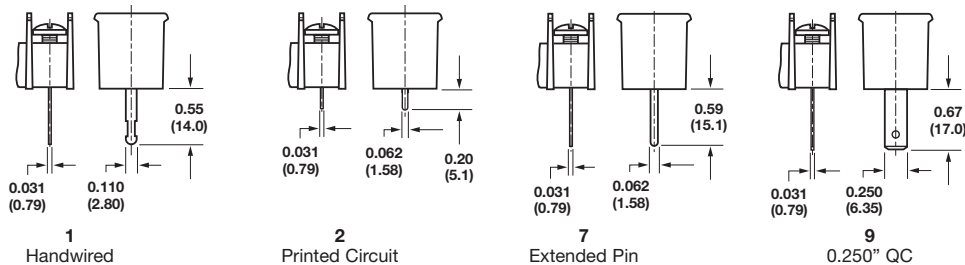
**Dimensions - in (mm)****Series A38****Series B38**

## Part Numbering System

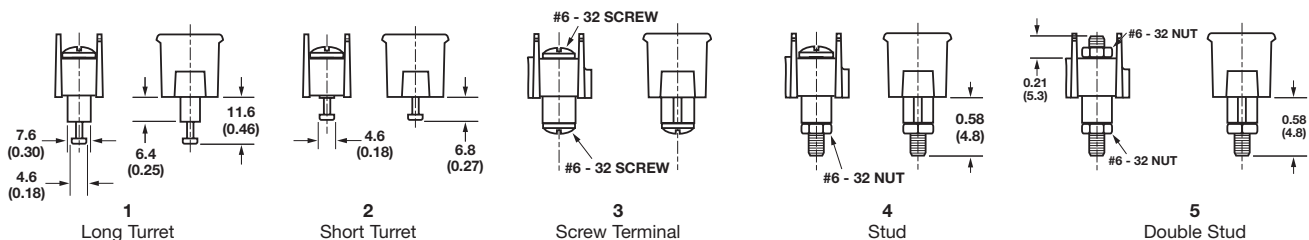
| Series     | Terminal Style                                                                                                                                                                                                                                                        | Base/End                                                                                                                                               | # of Poles                                                                        | Screw Options                                                                                                                                                                                                                                                                                          | Options                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>A3B</b> |                                                                                                                                                                                      |                                                                       |  |                                                                                                                                                                                                                       |                        |
|            | <b>0</b> - 0.187" QC<br><b>1</b> - hand wired<br><b>2</b> - printed circuit<br><b>7</b> - extended wire wrap<br><b>9</b> - 0.250" QC                                                                                                                                  | <b>1</b> - flat base, mount end<br><b>2</b> - flat base, barrier end<br><b>3</b> - insulator base* mount end<br><b>4</b> - insulator base* barrier end | <b>02 to 16</b>                                                                   | <b>Blank</b> - standard screw (steel zinc-plated, philslot BHMS)<br><b>04</b> - brass, nickel-plated, philslot BHMS<br><b>07</b> - steel, SEMS zinc-plated philslot screw<br><b>92</b> - steel, zinc-plated slotted BHMS<br><b>94</b> - brass, nickel-plated slotted BHMS (Binding Hard Machine Screw) | <b>L1 to L6</b> marking options (pg 22)<br><b>RC</b> - retaining clips (pg 15)<br><b>Covers</b> - (pg 23) |
|            |                                                                                                                                                                                                                                                                       | *N/A on 2 terminal style.                                                                                                                              |                                                                                   |                                                                                                                                                                                                                                                                                                        |                                                                                                           |
| <b>B3B</b> |                                                                                                                                                                                      |                                                                       |  |                                                                                                                                                                                                                       |                        |
|            | <b>1</b> - long turret<br><b>2</b> - short turret<br><b>3</b> - screw terminal #6-32 screw top & bottom)<br><b>4</b> - stud (#8-32 screw top, #6-32 stud bottom)<br><b>†5</b> - double stud (#6-32 stud top & bottom)<br><b>†C360</b> Copper alloy (bright tin plate) | <b>0</b> - flat base, mount ends<br><b>4</b> - insulator base, barrier ends<br><b>9</b> - insulator base mount ends                                    | <b>02 to 16</b>                                                                   | <b>Blank</b> - standard screw steel zinc-plated philslot BHMS)<br><b>04</b> - brass, nickel-plated, philslot BHMS #8-32<br><b>*34</b> - #6-32 nickel-plated brass philslot BHMS                                                                                                                        | <b>L1 to L6</b> marking options (pg 23)<br><b>RC</b> - retaining clips (pg 16)                            |
|            |                                                                                                                                                                                                                                                                       |                                                                                                                                                        |                                                                                   | *Note: 34 screws only<br>*available with 3 terminal style.                                                                                                                                                                                                                                             |                                                                                                           |

## A38 Terminal Styles Wire ready screws standard

Inches (Millimeters)



## B38 Terminal Styles



## Screw Options



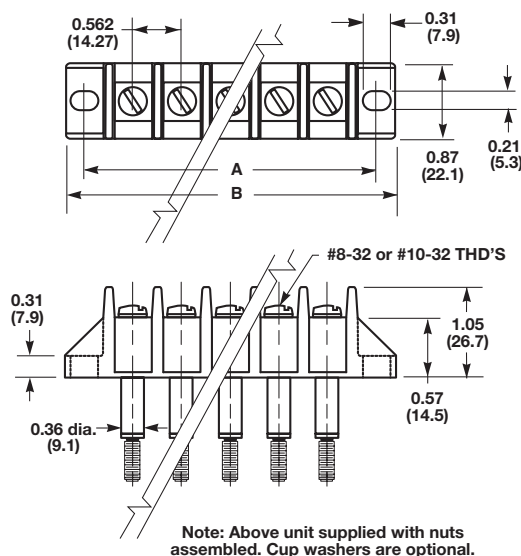
**Series A4000 & Series B4000****Single Row Terminal Blocks****SPECIFICATIONS****Rating:** See table.**Center Spacing:** 0.562" or 9/16" (14.28mm)**Wire Range:** See rating table.**Screw Size:** #8-32 or #10-32 zinc-plated slotted screws**Torque Rating:** #8 screw size 16 lb-in.; #10 screw size 20 lb-in.**Distance Between Barriers:** 0.47" (11.9mm)**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Molded Material:** Black, UL Rated 94V0 Thermoplastic**Hardware:** Bottom studs supplied with nuts assembled. Cup washers are optional on bottom studs but are not recommended with ring terminals.**Extended Hex Nuts:** Optional extended, slotted hex nuts enable easier installation and removal with hex wrench or screwdriver. Available in bulk for the #10-32 studs on Series A4953 blocks. Specify part number F582 and quantity.**Breakdown Voltage:** 6100V**Agency Information:** UL File E62622, CSA File 47235; CE Certified**RATING TABLE**

| Part Number | Terminal Top | Terminal Bottom | Wire* Range CU | Ratings* Volts/Amps |
|-------------|--------------|-----------------|----------------|---------------------|
| A4003XX     | # 8 Screw    | #8 Stud         | 8-16 AWG       | 150V/50A            |
| A4011XX     | # 8 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4013XX     | # 8 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4021XX     | # 8 Screw    | 0.250 QC        | 10-16 AWG      | 600V/35A            |
| A4035XX     | # 8 Screw    | Closed          | 8-16 AWG       | 600V/50A            |
| A4041XX     | #10 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4043XX     | #10 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4051XX     | #10 Screw    | 0.250 QC        | 10-16 AWG      | 600V/35A            |
| A4803XX     | #10 Screw    | #8 Stud         | 8-16 AWG       | 150V/50A            |
| A4813XX     | #10 Screw    | SolderTurret    | 10-16 AWG      | 600V/35A            |
| A4843XX     | #10 Screw    | #8 Screw        | 8-16 AWG       | 150V/50A            |
| A4953XX     | #10 Stud     | #10 Stud        | 8-16 AWG       | 150V/50A            |
| B4843XX     | #10 Screw    | #8 Screw        | 8-16 AWG       | 600V/50A            |

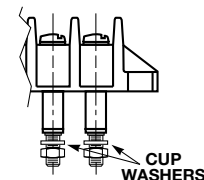
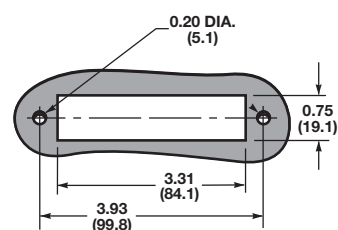
\* All models 30A Max. with 10 AWG;

35-50A ratings with 8 AWG using ring or fork type terminals.

Note: 50A rating achieved with #8 copper wire crimped to ring terminal.

**A4000 Series Dimensions - in (mm)****Optional Cup Washers Assembled**

Available on A4003, A4803, A4843, A4953 &amp; B4843.

**Reference Panel Cutout for 6 Position Block**

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.



† Available only on A4003, A4803, A4843, A4953 & B4843.

## 21

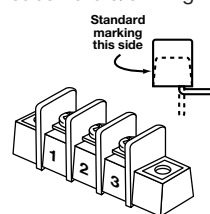
## All Series Marking Options

### Single Row Terminal Blocks

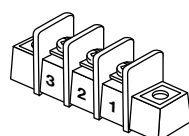
## Marking Options & Accessories

### Standard Marking

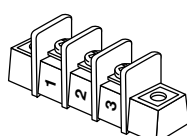
Markings are applied directly to the sides of Series 1000, 2000, 3000, and 4000. Standard characters are white and 1/8" high. Factory may substitute 3/32" high characters.



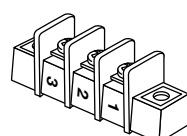
**L1**  
Upright Numerals  
Left to Right



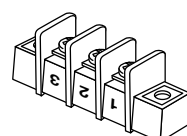
**L2**  
Upright Numerals  
Right to Left



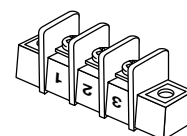
**L3**  
Left Lying Numerals  
Left to Right



**L4**  
Right Lying Numerals  
Right to Left



**L5**  
Upside-Down Numerals  
Right to Left

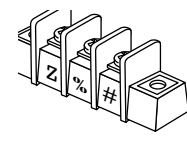
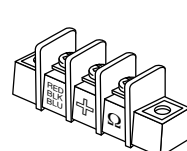
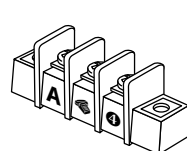


**L6**  
Upside-Down Numerals  
Left to Right

Blocks to be marked on both sides require a different code for each side. Example: "L1" on one side of the block requires "L2" on the other side to ensure common terminal marking. Specify by adding suffix to part number.

### Special Marking

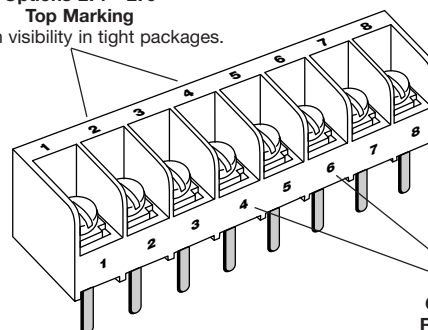
Special markings are available for Series 1000, 2000, 3000, 4000 & 5000 at an additional charge for preparation. Production charges for setup, handling and marking are the same as for standard marking and the same quantity discounts apply. Consult factory for price and delivery.



### Closed Barrier Terminal Block Marking Options

L1 & LT1 = Upright numerals, numbered from left to right  
L2 & LT2 = Upright numerals, numbered from right to left  
L3 = Left lying numerals, numbered from left to right  
L4 = Right lying numerals, numbered from right to left  
L5 & LT5 = Upside down numerals, numbered from right to left  
L6 & LT6 = Upside down numerals, numbered from left to right

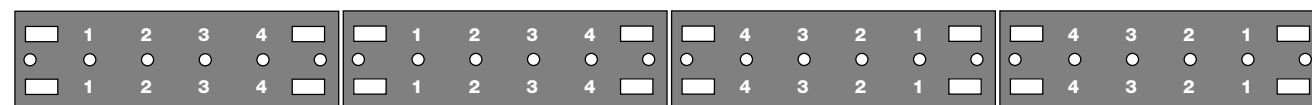
**Options LT1 - LT6  
Top Marking**  
For high visibility in tight packages.



**Options L1 - L6  
Regular Marking**

### Marker Strips

Black marker strips with white numerals mount beneath the terminal blocks to clearly identify terminal and wire positions. Available with forward or reverse markings, top or bottom of strip. If special markings are required, submit a drawing.



Bottom Forward - **BF**

Top Forward - **TF**

Bottom Reverse - **BR**

Top Reverse - **TR**

### Series



**MS1** - 1000 Series  
**MS2** - 2000 Series  
**MS3** - 3000 Series

### Base



**1** - mount end, feed thru  
**2** - barrier end, feed thru  
**3** - mount end, insulator tubes  
**4** - barrier end, insulator tubes  
**5** - mount end, non feed-thru

### Poles



**02 to 36**

### Marking



**BF** - bottom forward  
**TF** - top forward  
**BR** - bottom reverse  
**TR** - top reverse

## All Series Accessories

### Single Row Terminal Blocks *Continued*

#### Cover Options - Single Row

##### Terminal Block Covers

Available for Series A1000, A2000, A3000, A4000, CB2000, CB3000, LP2000, & LP3000.

Three styles of UL 94V0 thermoplastic covers are offered in black. Covers are ordered separately and supplied with two clips each, unless ordered without clips. Optional markings may be specified (black on yellow; white on black).

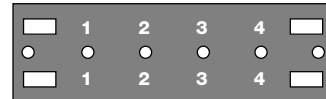
Notes: Covers can not be used with:

- mounting plate options MP & MT.
- certain quick connect terminals.
- 0, 6, & 9 base/end styles on A2 or A3

Bulk Cover Clips: Series 1000 = **CC1-J**; Series 2000 & 3000 = **CC2-J**; Series 4000 = **CC4-J**.

##### Standard Cover Markings

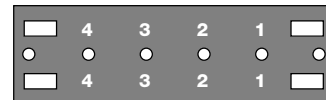
Top Forward - **TF**



Bottom Forward - **BF**

Skirted Access Side

Top Reverse - **TR**

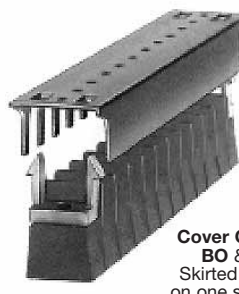


Bottom Reverse - **BR**

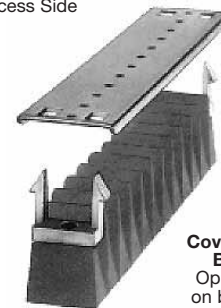
Skirted Access Side



**Cover Options  
BB & CB**  
Skirted access  
on both sides.



**Cover Options  
BO & CO**  
Skirted access  
on one side only.



**Cover Options  
BC & TC**  
Open access  
on both sides.

##### Cover



**BB** - skirted access, both sides, black  
**BO** - skirted access, one side, black  
**BC** - open access, both sides, black\*

\* Not available in 4000 Series

##### Series



**1** - 1000  
**2** - 2000  
**3** - 3000  
**4** - 4000

##### Poles



**02 to 36**

##### Markings



**BF** - bottom forward  
**TF** - top forward  
**BR** - bottom reverse  
**TR** - top reverse

##### Options



**00** - without clips

#### Snap-On Covers for A38/B38/F38 Series & CB2/CB3 Series

##### A38/B38 Series



| Poles      |                                                                     |
|------------|---------------------------------------------------------------------|
| <b>TA8</b> | <input type="checkbox"/> <input type="checkbox"/> <b>A38 Series</b> |
| <b>TB8</b> | <input type="checkbox"/> <input type="checkbox"/> <b>B38 Series</b> |
| <b>FB8</b> | <input type="checkbox"/> <input type="checkbox"/> <b>F38 Series</b> |

##### CB2/CB3 Series



| Poles      |                                                                     |
|------------|---------------------------------------------------------------------|
| <b>T02</b> | <input type="checkbox"/> <input type="checkbox"/> <b>CB2 Series</b> |
| <b>T03</b> | <input type="checkbox"/> <input type="checkbox"/> <b>CB3 Series</b> |

## F38 Series Filtered Terminal Blocks

## SPECIFICATIONS

**Ratings:** 35A, 240Vac, 300Vdc.

**Center Spacing:** 0.437" or 7/16" (11.10mm)

**Wire Size:** # 10-22 AWG CU

**Screw Size:** # 8-32 (# 6-32 available, consult factory)

**Torque Rating:** 15 lb-in.

**Operating Temperature:** -55°C to +105°C.

**Housing Material:** 94V0 thermoplastic.

**Molded Material:** Black, UL rated 94V0 thermoplastic.

**Terminal Material:** Brass, tin-plated

**Capacitance:** 1000 pF to 5000 pF in either C or Pi Schematic

**Dielectric Withstanding Voltage:** 1000 Vac; 1700Vdc

**DC Resistance:** 0.01 ohms max.

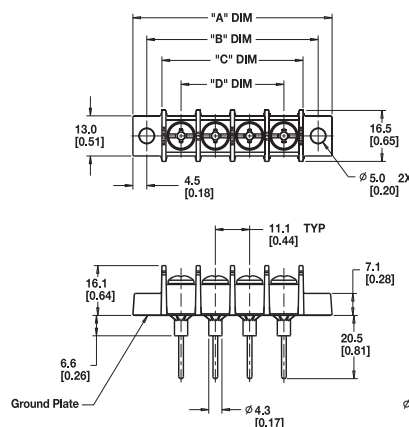
**Agency Information:** UL File E62622, CE Certified

| # of Poles | A<br>Front Mount | A<br>Rear Mount | B    | C    | D    |
|------------|------------------|-----------------|------|------|------|
| 2          | 1.67             | 1.88            | 1.31 | 0.93 | 0.44 |
| 3          | 2.10             | 2.32            | 1.75 | 1.37 | 0.88 |
| 4          | 2.54             | 2.76            | 2.19 | 1.81 | 1.31 |
| 5          | 2.98             | 3.19            | 2.63 | 2.25 | 1.75 |
| 6          | 3.41             | 3.63            | 3.06 | 2.68 | 2.19 |
| 7          | 3.85             | 4.07            | 3.50 | 3.12 | 2.62 |
| 8          | 4.29             | 4.51            | 3.94 | 3.56 | 3.06 |

\* Note: In inches. Available up to 16 poles. Consult factory.

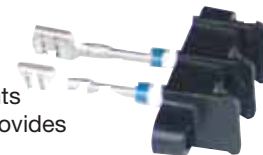
## Dimensions - mm (in)

## O - Front Panel Mount



## FEATURES

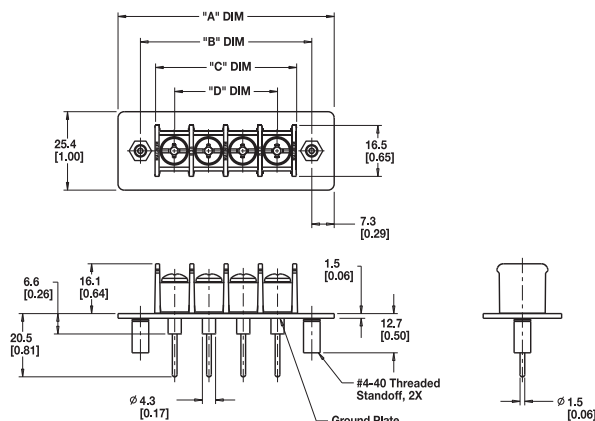
- Rugged integrated construction of filtering elements around a solid brass pin provides excellent EMI/RFI filtering
- Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines
- 2 to 8 terminals standard – up to 16 poles available
- Cost-effective EMI solution for industrial interconnection filtering
- Termination options are straight lead, male or female quick connect
- Custom and special options available including:
  - Different capacitance values on each position
  - Wire assemblies added to pins

Insertion Loss for 2,500 pF Pi Schematic  
Typical Insertion Loss (dB) in 50 Ohm Circuit

|         |        |          |        |
|---------|--------|----------|--------|
| 30MHz   | .42 dB | 300 MHz  | .68 dB |
| 50 MHz  | .45 dB | 1000 MHz | .70 dB |
| 100 MHz | .50 dB |          |        |

\* Note: For other capacitance insertion loss, consult factory.

## I - Rear Panel Mount



## Part Numbering System

Inches (Millimeters)

| Series     | Terminal Style                    | Mounting                                         | # of Poles | Screw Options                                                      | Filter Options       | Capacitance                    |
|------------|-----------------------------------|--------------------------------------------------|------------|--------------------------------------------------------------------|----------------------|--------------------------------|
| <b>F38</b> |                                   |                                                  |            |                                                                    |                      |                                |
|            | 0 - straight lead                 | 0 - front panel mount with mount ends            | 02 to 08*  | <b>Blank</b> - #8-32, steel, zinc-plated phillslot BHMS (standard) | <b>C</b> - C Filter  | <b>1.0</b> - 1000 pF + 100%-0% |
|            | 1 - 0.187" quick connect (male)   | 1 - rear panel mount with #4-40 threaded inserts |            | <b>04</b> - #8-32, brass, nickel-plated phillslot BHMS             | <b>P</b> - Pi Filter | <b>2.5</b> - 2500 pF + 100%-0% |
|            | 2 - 0.187" quick connect (male)   |                                                  |            | <b>92</b> - #8-32, steel, zinc-plated slotted BHMS                 |                      | <b>5.0</b> - 5000 pF + 100%-0% |
|            | 3 - 0.250" quick connect (male)   |                                                  |            | <b>94</b> - #8-32, brass, nickel-plated slotted BHMS               |                      |                                |
|            | 4 - 0.250" quick connect (female) |                                                  |            |                                                                    |                      |                                |

\* Note: Standard is 02-08 poles. Available up to 16 poles. Consult factory for availability. Special electrical/mechanical configurations are available upon request from factory.

## Series TB100

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 30A, 300V\*

**Center Spacing:** 0.375" or 3/8" (9.52mm)

**Wire Range:** #14 - 22 AWG CU

**Screw Size:** #6-32 phillslot screws

**Torque Rating:** 9 lb-in.

**Distance Between Barriers:** 0.30" (7.62mm)

**Mounting:** #6 screws

**Operating Temperature:** 130°C (266°F) max., -40°C (-40°F) min.

**Materials:** Molded base: Black, UL rated 94V0 thermoplastic

Terminal plating: Tin over brass; Screws: Zinc-plated steel

**Breakdown Voltage:** 3600V

**Agency Information:** UL File E62622/CSA File 47235; IEC

Compliance; CE Certified

\* Max. rating shown; some options may be rated lower - consult factory.



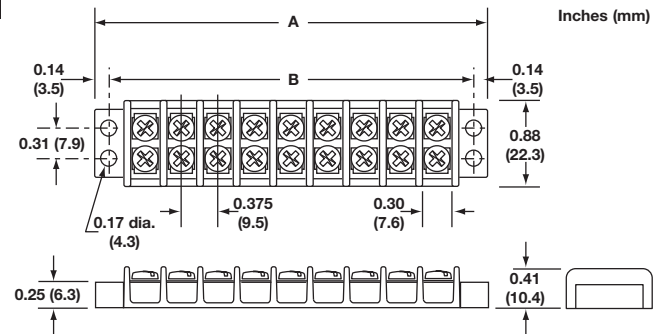
TB100-08



TB100-04SP

#### Dimensions - in (mm)

##### TB100



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

| Poles | A    | B    | Poles | A     | B    | Poles | A     | B     |
|-------|------|------|-------|-------|------|-------|-------|-------|
| 02    | 1.40 | 1.12 | 14    | 5.90  | 5.62 | 26    | 10.40 | 10.12 |
| 03    | 1.78 | 1.50 | 15    | 6.28  | 6.00 | 27    | 10.78 | 10.50 |
| 04    | 2.16 | 1.88 | 16    | 6.66  | 6.38 | 28    | 11.16 | 10.88 |
| 05    | 2.53 | 2.25 | 17    | 7.03  | 6.75 | 29    | 11.53 | 11.25 |
| 06    | 2.90 | 2.62 | 18    | 7.40  | 7.12 | 30    | 11.90 | 11.62 |
| 07    | 3.28 | 3.00 | 19    | 7.78  | 7.50 | 31    | 12.28 | 12.00 |
| 08    | 3.66 | 3.38 | 20    | 8.16  | 7.88 | 32    | 12.66 | 12.38 |
| 09    | 4.03 | 3.75 | 21    | 8.53  | 8.25 | 33    | 13.03 | 12.75 |
| 10    | 4.40 | 4.12 | 22    | 8.90  | 8.62 | 34    | 13.40 | 13.12 |
| 11    | 4.78 | 4.50 | 23    | 9.28  | 9.00 | 35    | 13.78 | 13.50 |
| 12    | 5.16 | 4.88 | 24    | 9.66  | 9.38 | 36    | 14.16 | 13.88 |
| 13    | 5.53 | 5.25 | 25    | 10.03 | 9.75 |       |       |       |

## Part Numbering System

#### Series

TB100

#### Poles

02 to 36

#### Screw Options

Blank - steel phillslot, zinc-plated  
00 - screws shipped bulk  
B - brass phillslot, nickel-plated  
BS - brass Sems phillslot, nickel-plated  
SP - steel Sems phillslot, zinc-plated  
P - steel Sems (P-style)  
ST - stainless steel, phillslot  
STR - stainless steel, phillips (recess)

#### Marking

L1 to L6 - (pg 32)  
Marker strips (pg 33)  
Covers (pg 32)

#### Hardware Options

QC1 to QC20 - quick connects  
†J101 - flat slip-on jumper  
(2 position only)  
†0J2 - over barrier jumpers  
†0J4 - over barrier jumpers

† Contact factory for pole configuration.

## Screw Options



**B**  
Brass Philslot  
Nickel-Plated



**BS**  
Brass SEMS  
Philslot Nickel-Plated



**SP**  
Steel SEMS  
Philslot Zinc-Plated



**ST**  
Stainless Steel  
Philslot



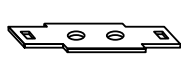
**P**  
Steel SEMS  
(P-Style)



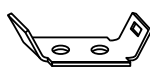
**STR**  
Stainless Steel  
Phillips (recess)

## Hardware Options (Bulk ordering part numbers are in parentheses.)

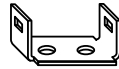
**Quick Connects – Assembled** Terminal 0.187" x 0.020". Max. current rating 13 Amps. For other orientations, contact factory.



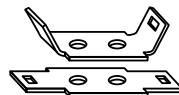
**QC1**



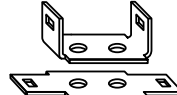
**QC2**



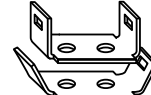
**QC3**



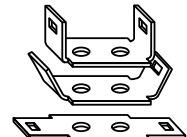
**QC4**



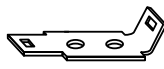
**QC5**



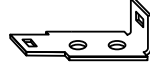
**QC6**



**QC7**



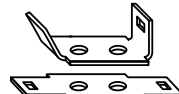
**QC8**



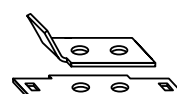
**QC9**



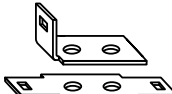
**QC10**



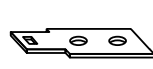
**QC11**



**QC12**



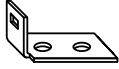
**QC13**



**QC14**



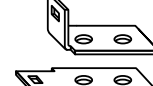
**QC15**



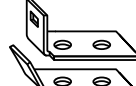
**QC16**



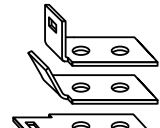
**QC17**



**QC18**

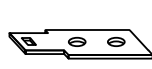


**QC19**



**QC20**

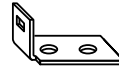
**Quick Connects – Bulk** Min. order per part no. – 100 pieces.



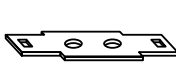
**QC101**  
Flat – none



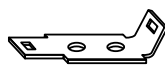
**QC102**  
QC 45° – none



**QC103**  
QC 90° – none



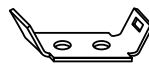
**QC104**  
Flat – Flat



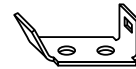
**QC105**  
Flat – QC 45°



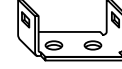
**QC106**  
Flat – QC 90°



**QC107**  
QC 45° – QC 45°



**QC108**  
QC 45° – QC 90°



**QC109**  
QC 90° – QC 90°

**Jumpers – Bulk** Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



†**J101**  
Flat slip-on  
(J101-J)



†**OJ2**  
Slip-on over barrier  
(OJ2-J)



†**OJ4**  
Closed over barrier  
(OJ4-J)

† Contact factory for pole configuration.



## Series TB200 & TB200HB

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** TB200 - 30A, 300V\*

TB200HB - 30A, 600V\*

**Center Spacing:** 0.437" or 7/16" (11.10mm)

**Wire Range:** #12 - 22 AWG CU

**Screw Size:** #6-32 phillslot screws

**Torque Rating:** 9 lb-in.

**Distance Between Barriers:** 0.353" (8.97mm)

**Mounting:** #6 screws

**Operating Temperature:** 130°C (266°F) max., -40°C (-40°F) min.

**Materials:** Molded base: Black, UL rated 94V0 thermoplastic

Terminal plating: Tin over brass; Screws: zinc-plated steel

**Breakdown Voltage:** 4800V

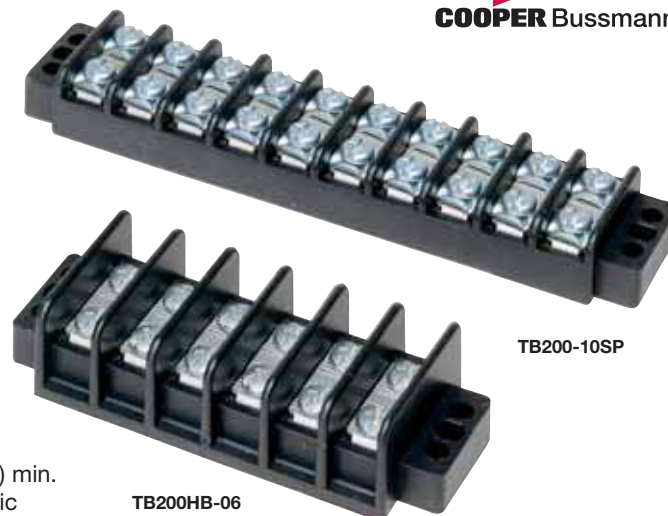
**Agency Information:** UL File E62622, CSA File 47235 & 15364;

IEC Compliance; CE Certified

\* Max. rating shown; some options may be rated lower - consult factory.

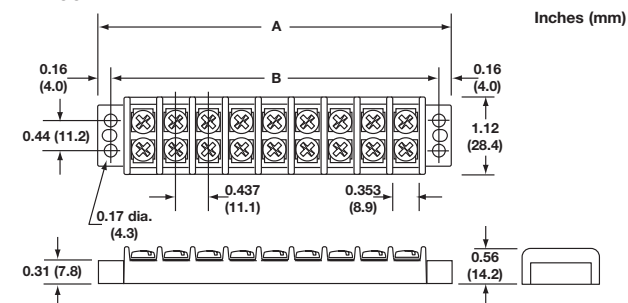
| Poles | A    | B    | Poles | A    | B    | Poles | A     | B     |
|-------|------|------|-------|------|------|-------|-------|-------|
| 02    | 1.63 | 1.31 | 12    | 6.00 | 5.68 | 22    | 10.37 | 10.06 |
| 03    | 2.07 | 1.75 | 13    | 6.44 | 6.12 | 23    | 10.81 | 10.50 |
| 04    | 2.51 | 2.18 | 14    | 6.87 | 6.56 | 24    | 11.25 | 10.93 |
| 05    | 2.94 | 2.62 | 15    | 7.31 | 7.00 | 25    | 11.68 | 11.37 |
| 06    | 3.38 | 3.06 | 16    | 7.75 | 7.43 | 26    | 12.12 | 11.81 |
| 07    | 3.82 | 3.50 | 17    | 8.19 | 7.87 | 27    | 12.56 | 12.25 |
| 08    | 4.25 | 3.93 | 18    | 8.62 | 8.31 | 28    | 13.00 | 12.68 |
| 09    | 4.69 | 4.37 | 19    | 9.06 | 8.75 | 29    | 13.44 | 13.12 |
| 10    | 5.13 | 4.81 | 20    | 9.50 | 9.18 | 30    | 13.87 | 13.56 |
| 11    | 5.57 | 5.25 | 21    | 9.94 | 9.62 |       |       |       |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

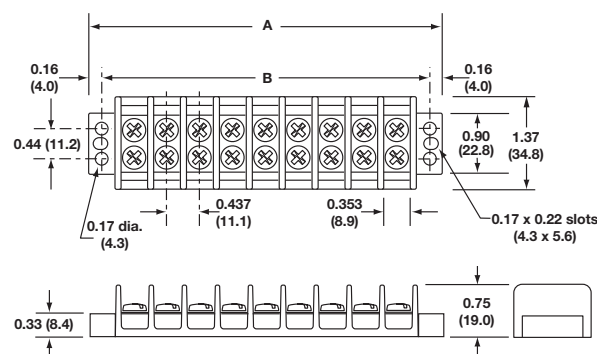


#### Dimensions - in (mm)

##### TB200



##### TB200HB



## Part Numbering System

#### Series

**TB200** - Standard

**200** - Standard  
**200HB** - High barrier

#### Poles

**02 to 30**

#### Screw Options

**Blank** - steel phillslot, zinc-plated

**00** - screws shipped bulk  
**B** - brass phillslot, nickel-plated  
**BS** - brass Sems phillslot, nickel-plated  
**SP** - steel Sems phillslot, zinc-plated  
**P** - steel Sems (P-style)  
**ST** - stainless steel, phillslot  
**SS** - stainless steel Sems, phillslot  
**STR** - stainless steel, phillips (recess)

#### Marking

**L1 to L6** - (pg 32)

Marker strips (pg 32)  
Covers (pg 32)

#### Hardware Options

**QC1 to QC20** - quick connects

**†J201** - flat slip-on jumper (2 position only)  
**†J3** - over barrier jumpers  
**†J5** - over barrier jumpers  
**†J7** - over barrier jumpers

† Contact factory for pole configuration

## Screw Options



**B**  
Brass Philslot  
Nickel-Plated



**BS**  
Brass SEMS  
Philslot Nickel-Plated



**SP**  
Steel SEMS  
Philslot Zinc-Plated



**P**  
Steel SEMS  
(P-Style)



**ST**  
Stainless Steel  
Philslot



**SS**  
Stainless Steel  
SEMS Philslot



**STR**  
Stainless Steel  
Phillips (recess)

## Hardware Options (Bulk ordering part numbers are in parentheses.)

**Quick Connects – Assembled** Terminal 0.250" x 0.031". Max. current rating 20 Amps. For other orientations, contact facto-



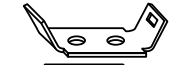
**QC1**



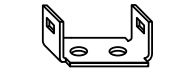
**QC2**



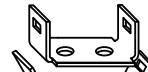
**QC3**



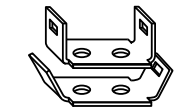
**QC4**



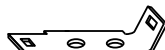
**QC5**



**QC6**



**QC7**



**QC8**



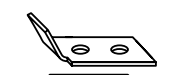
**QC9**



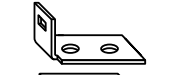
**QC10**



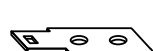
**QC11**



**QC12**



**QC13**



**QC14**



**QC15**



**QC16**



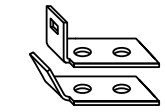
**QC17**



**QC18**

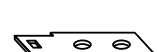


**QC19**



**QC20**

**Quick Connects – Bulk** Min. order per part no. – 100 pieces.



**QC201**  
Flat – none



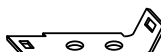
**QC202**  
QC 45° – none



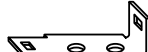
**QC203**  
QC 90° – none



**QC204**  
Flat – Flat



**QC205**  
Flat – QC 45°



**QC206**  
Flat – QC 90°



**QC207**  
QC 45° – QC 45°



**QC208**  
QC 45° – QC 90°



**QC209**  
QC 90° – QC 90°

**Jumpers – Bulk** Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



†J201  
Flat slip-on  
(not available on  
TB200HB)  
(J201-J)



†J203  
Slip-on over barrier  
for TB200HB  
(J203-J)



†J205  
Closed over barrier  
for TB200HB  
(J205-J)



†J207  
Closed over barrier  
for TB200  
(J207-J)

† Contact factory for pole configuration.

## Series TB300 & TB345

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** TB300 – 30A, 600V\*

TB345 – 45A, 600V\*

**Center Spacing:** 0.562" or 9/16" (14.28mm)

**Wire Range:** #8 - 22 AWG CU

**Screw Size:** TB300 – #8-32 phillslot screws

TB345 – #10-32 phillslot screws

**Torque Rating:** #8 screws - 16 lb-in.;

#10 screws - 20 lb-in.

**Distance Between Barriers:** 0.41" (10.5mm)

**Mounting:** TB300 – #8 screws; TB345 – #10 screws

**Operating Temperature:** 130°C (266°F) max., -40°C (-40°F) min.

**Material:** Molded base: Black, UL rated 94V0 thermoplastic

Terminal plating: Tin over brass; Screws: zinc-plated steel

**Breakdown Voltage:** 7500V

**Agency Information:** UL File E62622, CSA File 47235; IEC

Compliance; CE Certified

\* Max. rating shown; some options may be rated lower - consult factory.

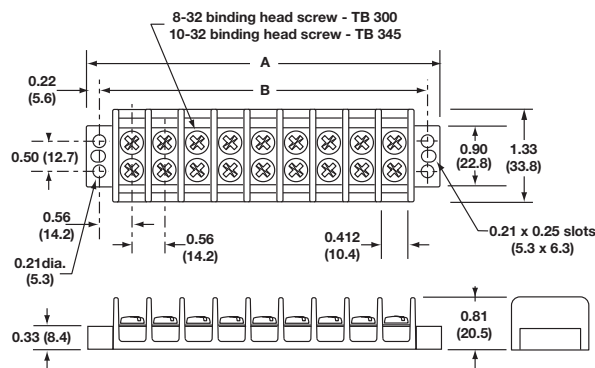


| Poles | A    | B    | Poles | A     | B     | Poles | A     | B     |
|-------|------|------|-------|-------|-------|-------|-------|-------|
| 02    | 2.13 | 1.69 | 10    | 6.62  | 6.19  | 18    | 11.12 | 10.68 |
| 03    | 2.69 | 2.25 | 11    | 7.18  | 6.75  | 19    | 11.68 | 11.25 |
| 04    | 3.25 | 2.81 | 12    | 7.75  | 7.31  | 20    | 12.24 | 11.81 |
| 05    | 3.81 | 3.37 | 13    | 8.31  | 7.87  | 21    | 12.80 | 12.37 |
| 06    | 4.37 | 3.94 | 14    | 8.87  | 8.44  | 22    | 13.37 | 12.93 |
| 07    | 4.94 | 4.50 | 15    | 9.43  | 9.00  | 23    | 13.93 | 13.50 |
| 08    | 5.50 | 5.06 | 16    | 9.99  | 9.56  | 24    | 14.49 | 14.06 |
| 09    | 6.06 | 5.62 | 17    | 10.56 | 10.12 |       |       |       |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

#### Dimensions - in (mm)

##### TB300 & TB345



## Part Numbering System

#### Series



300 - 8-32 screw  
345 - 10-32 screw

#### Poles



02 to 24

#### Screw Options



Blank - steel phillslot, zinc-plated  
00 - screws shipped bulk  
B - brass phillslot, nickel-plated  
BS - brass Sems phillslot, nickel-plated (TB300 only)  
SP - steel Sems phillslot, zinc-plated  
P - steel Sems (P-style) (TB300 Series only)  
ST - stainless steel, phillslot  
STR - stainless steel, phillips (recess)

#### Marking



L1 to L6 - (pg 32)  
Marker strips (pg 33)  
Covers (pg 32)

#### Hardware Options



QC1 to QC20 - quick connects (TB300 only)  
†J301 - flat slip-on jumper  
†0J6 - over barrier jumper  
†0J11 - over barrier jumper

†Contact factory for pole configuration.

## Screw Options



**B**  
Brass Philslot  
Nickel-Plated



**BS**  
Brass SEMS  
Philslot Nickel-Plated



**SP**  
Steel SEMS  
Philslot Zinc-Plated



**P**  
Steel SEMS  
(P-Style)



**ST**  
Stainless Steel  
Philslot



**STR**  
Stainless Steel  
Phillips (recess)

## Hardware Options

**Quick Connects – Assembled TB300 only.** Terminals 0.250" x 0.031". Max. current rating 20 Amps. For other orientations, contact factory.



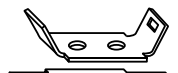
**QC1**



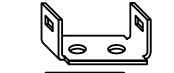
**QC2**



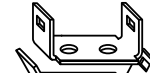
**QC3**



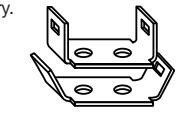
**QC4**



**QC5**



**QC6**



**QC7**



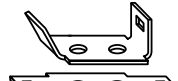
**QC8**



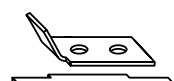
**QC9**



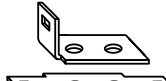
**QC10**



**QC11**



**QC12**



**QC13**



**QC14**



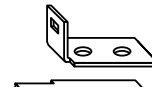
**QC15**



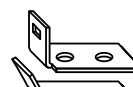
**QC16**



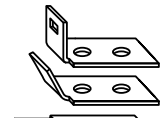
**QC17**



**QC18**



**QC19**



**QC20**

**Quick Connects – Bulk \*TB300 only.** Min. order per part no. – 100 pieces.



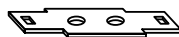
**QC201**  
Flat – none



**QC202**  
QC 45° – none



**QC203**  
QC 90° – none



**QC204**  
Flat – Flat



**QC205**  
Flat – QC 45°



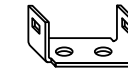
**QC206**  
Flat – QC 90°



**QC207**  
QC 45° – QC 45°



**QC208**  
QC 45° – QC 90°



**QC209**  
QC 90° – QC 90°

**Jumpers – Bulk** Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



**†J301**  
Flat slip-on  
(TB300 only)  
(J301-J)



**†OJ6**  
Closed over barrier  
(OJ6-J)



**†OJ11**  
Slip-on over barrier  
(OJ11-J)

†Contact factory for pole configuration.

## Series TB400

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 75A, 600V

**Center Spacing:** 0.687" or 11/16" (17.45mm)

**Wire Range:** #6-14 AWG CU

**Screw Size:** #10-32 philslot screws

**Torque Rating:** 20 lb-in.

**Distance Between Barriers:** 0.56" (14.3mm)

**Mounting:** #10 screws

**Operating Temperature:** 130°C (266°F) max., -40°C (-40°F) min.

**Material:** Molded base: Black, UL rated 94V0 thermoplastic

Terminal plating: Tin over brass; Screws: zinc-plated steel

**Breakdown Voltage:** 7500V

**Agency Information:** UL File E62622, CSA File 47235; IEC Compliance; CE Certified



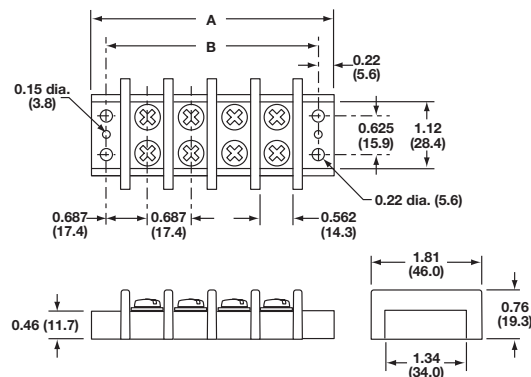
TB400-05

#### Dimensions - in (mm)

##### TB400

| Poles | A    | B    | Poles | A    | B    | Poles | A    | B    |
|-------|------|------|-------|------|------|-------|------|------|
| 02    | 2.51 | 2.06 | 06    | 5.26 | 4.81 | 10    | 8.01 | 7.56 |
| 03    | 3.20 | 2.75 | 07    | 5.95 | 5.50 | 11    | 8.70 | 8.25 |
| 04    | 3.89 | 3.44 | 08    | 6.64 | 6.19 | 12    | 9.39 | 8.94 |
| 05    | 4.58 | 4.13 | 09    | 7.33 | 6.88 |       |      |      |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.



#### Screw Options



**B**  
Brass Philslot  
Nickel-Plated

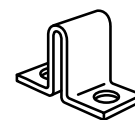


**ST**  
Stainless Steel  
Philslot



**STR**  
Stainless Steel  
Phillips (recess)

#### Hardware Options



**OJ14**  
Closed over barrier

#### Part Numbering System

##### Series

T B 4 0 0

##### Poles

02 to 12

##### Screw Options

Blank - steel philslot, zinc-plated  
00 - screws shipped bulk  
B - brass philslot, nickel-plated  
ST - stainless steel, philslot  
STR - stainless steel, phillips (recess)

##### Marking

Not available

##### Hardware Options

†OJ14 - Jumper over barrier

†Contact factory for pole configuration.

## All Series Marking Options &amp; Accessories

## Double Row Terminal Blocks

## Marking Options

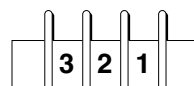
## Standard Marking

Standard markings are applied directly to the side(s) of a block. Standard color is white. Standard height is 0.125".

Note: Blocks marked on both sides require a different code for each side. Example Style L1 on one side of the block requires Style L2 on the other side to ensure common terminal marking. To order, add appropriate suffix (L1, L2, L3, L4, L5 and/or L6) to block part number in the proper sequence.



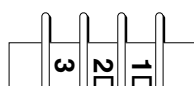
L1



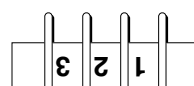
L2



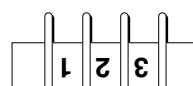
L3



L4



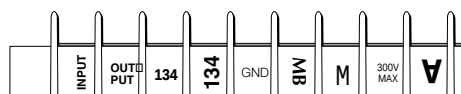
L5



L6

## Special Marking

Special markings are available at an additional charge for preparation. Production charges for setup, handling and marking are the same as for standard marking. Drawing(s) must be submitted to ensure accuracy of part required. Consult factory for price and delivery.



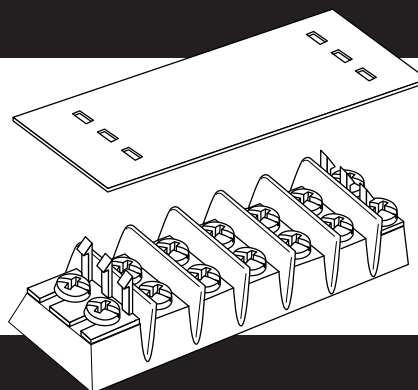
Note: Marking is not available on TB400 Series

## Covers

Covers prevent personnel, screws and foreign items from contacting live terminals. Available in white or clear plastic. Two cover clips supplied with each cover. Cover width is 1.31 inches.

All covers must be ordered separately. Consult factory for special legends.

Example: 10 position cover, white, TB100 Series, no legends . . . Part number is X12010.



## Part Numbering System

## Series



## Cover Strip



120 - TB100/white  
119 - TB100/clear  
220 - TB200/TB200HB - white  
219 - TB200/TB200HB - clear  
320 - TB300 & TB345 - white  
319 - TB300 & TB345 - clear

## Poles



02 to 36 (TB100)  
02 to 30 (TB200/TB200HB)  
02 to 24 (TB300/TB345)

## High Barrier Option Only



HB = High Barrier

Example: 10 position cover, white, TB100 Series, no legends . . . Part number is X12010.

## Cover Clips – Bulk

Part Number  
DD1-J – TB100 Series  
DD2-J – TB200 Series  
DD2HB-J – TB200HB Series  
DD3-J – TB300 Series

Note: Covers are not available on TB400 Series.



## Top & Bottom Marking Strips

### Double Row Terminal Blocks

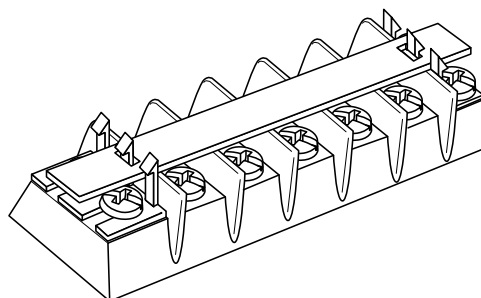
#### Top Marker Strips

Top mounting marker strips are available in white (opaque) plastic. Two cover clips are supplied with each marker strip.

All top marker strips must be ordered separately. Consult factory for special legends.

Example: 12 position cover, TB200, 0.032" x 0.312", with no legends . . . Part No. is X20312.

Example: 12 position cover, TB200HB, 0.060" x 0.500", with no legends . . . Part No. is X23312HB.



### Part Numbering System

#### Series



#### Top Marker Strip



**133** - TB100 (0.060 thk x 0.500w)  
**103** - TB100 (0.032 thk x 0.312w)  
**233** - TB200/TB200HB (0.060 thk x 0.500w)  
**203** - TB200/TB200HB (0.032 thk x 0.312w)  
**333** - TB300 & TB345 (0.060 thk x 0.500w)  
**303** - TB300 & TB345 (0.032 thk x 0.380w)

#### Poles



**02 to 36** (TB100)  
**02 to 30** (TB200/TB200HB)  
**02 to 24** (TB300/TB345)

Note: Marking Strips are not available on TB400 Series.

#### High Barrier Option Only



**HB** = High Barrier

Example: 12 position cover, TB200HB, 0.060" x 0.500", with no legends . . . Part No. is X23312HB.

#### Bottom Marker Strips

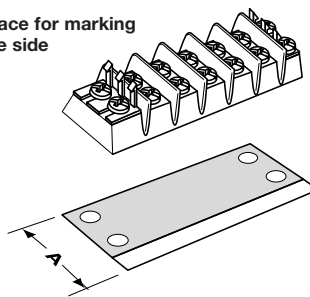
Bottom mounting marker strips are made of black PVC, 0.030" thick. Space is available to handle most marking situations. All marker strips must be ordered separately.

To order, specify part number, required legends and (BF) bottom forward, (BR) bottom reverse, (TF) top forward, or (TR) top reverse. Consult factory for specials.

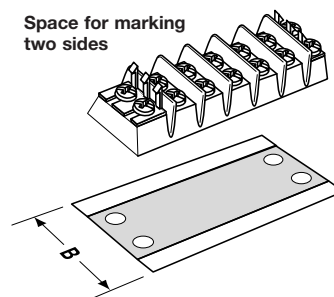
Example: 13 position strip, TB100 with no legends, space for marking one side . . . Part number is X10513.

Position for legends (one side, two sides) can be specified standard. Standard legend height is 0.125". Standard legends are 0-99 and A-Z. Special legends are available on special order. Drawing(s) must be submitted to ensure accuracy of part required.

Space for marking one side



Space for marking two sides



|        | TB100 | TB200 | TB200HB | TB300 | TB345 | TB400 |
|--------|-------|-------|---------|-------|-------|-------|
| Dim. A | 1.13" | 1.37" | 1.62"   | 1.58" | 1.58" | N/A   |
| Dim. B | 1.38" | 1.62" | 1.81"   | 1.81" | 1.81" | N/A   |

### Part Numbering System

#### Series



#### Bottom Marker Strip



**105** - TB100 - marking one side  
**101** - TB100 - marking both sides  
**205** - TB200 - marking one side  
**201** - TB200 - marking both sides  
**295** - TB200HB - marking one side  
**291** - TB200HB - marking both sides  
**305** - TB300 & TB345 - marking one side  
**301** - TB300 & TB345 - marking both sides

#### Poles



**02 to 36** (TB100)  
**02 to 30** (TB200/TB200HB)  
**02 to 24** (TB300/TB345)

#### High Barrier Option Only



**HB** = High Barrier

#### Orientation



**BF** - bottom forward  
**BR** - bottom reverse  
**TF** - top forward  
**TR** - top reverse

Note: Marking Strips are not available on TB400 Series.

## Series TS - Standard Base

Terminal Blocks; 8.00, 10.00,  
12.00, 13.50mm Centers

## SPECIFICATIONS

Rating: TS08 – 20A, 600V

TS10 – 30A, 600V

TS12 – 35A, 600V

TS14 – 50A, 600V

Wire Range: See Table

Housing Material: Polyamide Type 6/6, 94V2 (white)

Contact Material: Nickel-Plated Brass

Wire Protector: Stainless Steel

Screw Size: See Table

Operating Temperature: 105°C (221°F) max., -30°C (-22°F) min.

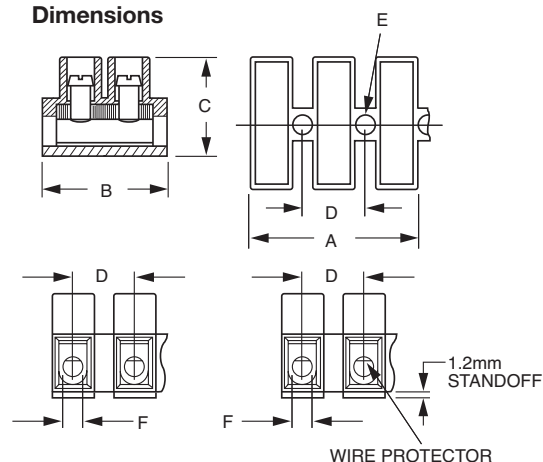
Torque Rating: See Table

Construction: Mold-to-to-Length

Agency Information: UL File E62622; CE Certified



## Dimensions



| # of Poles | A Dimensions |       |        |       |        |       |        |       |
|------------|--------------|-------|--------|-------|--------|-------|--------|-------|
|            | TS08         |       | TS10   |       | TS12   |       | TS14   |       |
|            | mm           | in    | mm     | in    | mm     | in    | mm     | in    |
| 2          | 15.80        | 0.622 | 17.50  | 0.689 | 20.70  | 0.815 | 23.00  | 0.906 |
| 3          | 23.80        | 0.937 | 27.50  | 1.083 | 32.70  | 1.287 | 36.50  | 1.437 |
| 4          | 31.80        | 1.252 | 37.50  | 1.476 | 44.70  | 1.760 | 50.00  | 1.969 |
| 5          | 39.80        | 1.567 | 47.50  | 1.870 | 56.70  | 2.232 | 63.50  | 2.500 |
| 6          | 47.80        | 1.882 | 57.50  | 2.264 | 68.70  | 2.705 | 77.00  | 3.031 |
| 7          | 55.80        | 2.232 | 67.50  | 2.657 | 80.70  | 3.177 | 90.50  | 3.563 |
| 8          | 63.80        | 2.512 | 77.50  | 3.051 | 92.70  | 3.650 | 104.00 | 4.094 |
| 9          | 71.80        | 2.827 | 87.50  | 3.445 | 104.70 | 4.122 | 117.50 | 4.626 |
| 10         | 79.80        | 3.142 | 97.50  | 3.839 | 116.70 | 4.594 | 131.00 | 5.157 |
| 11         | 87.80        | 3.457 | 107.50 | 4.232 | 128.70 | 5.067 | 144.50 | 5.689 |
| 12         | 95.80        | 3.772 | 117.50 | 4.626 | 140.70 | 5.539 | 158.00 | 6.220 |

| Position | Torque lb-in | Clamping Area       | Wire Range AWG (Cu)        | Dimensions mm (in) |              |              |              |             |                |
|----------|--------------|---------------------|----------------------------|--------------------|--------------|--------------|--------------|-------------|----------------|
|          |              |                     |                            | Screw              | B            | C            | D            | E           | F              |
| TS0801   | 3.5          | 4.0mm <sup>2</sup>  | 22-12 Sol./Str.            | M2.6x5             | 17.00 (0.67) | 14.50 (0.57) | 8.00 (0.32)  | 2.90 (0.11) | 2.8±0.1 (0.11) |
| TS0802   | 3.5          | 1.5mm <sup>2</sup>  | 22-12 Sol./Str.            | M2.6x5             | 17.00 (0.67) | 14.50 (0.57) | 8.00 (0.32)  | 2.90 (0.11) | 2.8±0.1 (0.11) |
| TS1001   | 4.4          | 6.0mm <sup>2</sup>  | 22-10 Sol.<br>14-10 Str.   | M3.0x6             | 20.20 (0.80) | 17.00 (0.67) | 10.00 (0.39) | 3.60 (0.14) | 3.4±0.1 (0.13) |
| TS1002   | 4.4          | 2.5mm <sup>2</sup>  | 22-12 Sol./Str.<br>10 Sol. | M3.0x6             | 20.20 (0.80) | 17.00 (0.67) | 10.00 (0.39) | 3.60 (0.14) | 3.4±0.1 (0.13) |
| TS1201   | 7.0          | 10.0mm <sup>2</sup> | 22-10 Sol./Str.            | M3.5x7             | 23.80 (0.94) | 19.00 (0.75) | 12.00 (0.47) | 3.90 (0.14) | 4.2±0.1 (0.15) |
| TS1202   | 7.0          | 6.0mm <sup>2</sup>  | 22-10 Sol./Str.            | M3.5x7             | 23.80 (0.94) | 19.00 (0.75) | 12.00 (0.47) | 3.90 (0.15) | 4.2±0.1 (0.15) |
| TS1401   | 12.0         | 16.0mm <sup>2</sup> | 20-8 Sol./Str.             | M4.0x9             | 25.60 (1.01) | 25.20 (0.99) | 13.50 (0.53) | 4.40 (0.17) | 5.0±0.1 (0.19) |
| TS1402   | 12.0         | 10.0mm <sup>2</sup> | 20-8 Sol./Str.             | M4.0x9             | 25.60 (1.01) | 25.20 (0.99) | 13.50 (0.53) | 4.40 (0.17) | 5.0±0.1 (0.19) |

## Part Numbering System

## Spacing



08  
10  
12  
14

## Base



01 - std  
02 - std w/  
wire protector

## Positions



02 to 12

## Series TS - Flat Base

Terminal Blocks; 8.00, 10.00mm Centers

### SPECIFICATIONS

**Rating:** TS08 – 20A, 600V

TS10 – 30A, 600V

**Wire Range:** See Table

**Housing Material:** Polyamide Type 6/6, 94V2 (white)

**Contact Material:** Nickel-Plated Brass

**Wire Protector:** Stainless Steel

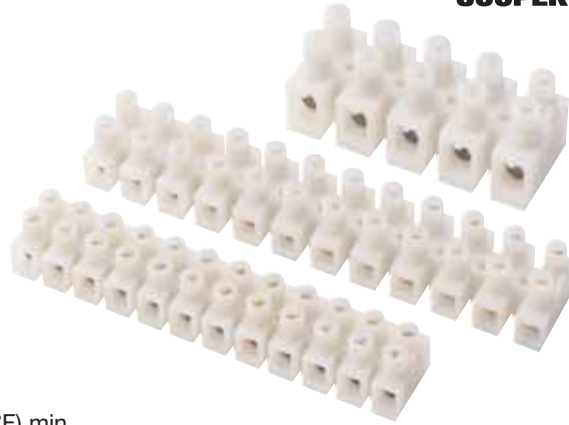
**Screw Size:** See Table

**Operating Temperature:** 105°C (221°F) max., -30°C (-22°F) min.

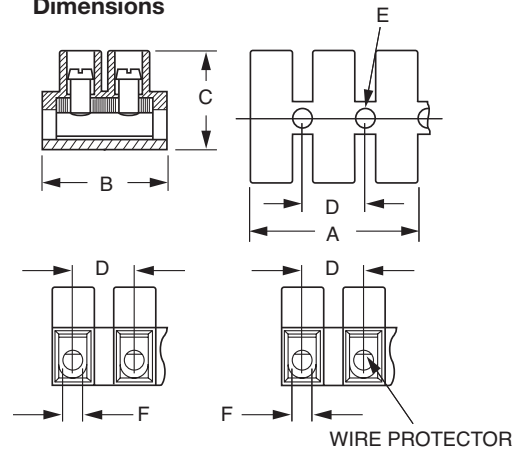
**Torque Rating:** See Table

**Construction:** Mold-to-Length

**Agency Information:** UL File E62622; CE Certified



### Dimensions



| # of Poles | A Dimensions |       |        |       |
|------------|--------------|-------|--------|-------|
|            | TS08         |       | TS10   |       |
|            | mm           | in    | mm     | in    |
| 2          | 15.80        | 0.622 | 17.50  | 0.689 |
| 3          | 23.80        | 0.937 | 27.50  | 1.083 |
| 4          | 31.80        | 1.252 | 37.50  | 1.476 |
| 5          | 39.80        | 1.567 | 47.50  | 1.870 |
| 6          | 47.80        | 1.882 | 57.50  | 2.264 |
| 7          | 55.80        | 2.232 | 67.50  | 2.657 |
| 8          | 63.80        | 2.512 | 77.50  | 3.051 |
| 9          | 71.80        | 2.827 | 87.50  | 3.445 |
| 10         | 79.80        | 3.142 | 97.50  | 3.839 |
| 11         | 87.80        | 3.457 | 107.50 | 4.232 |
| 12         | 95.80        | 3.772 | 117.50 | 4.626 |

| Position | Torque lb-in | Clamping Area | Wire Range AWG (Cu)     | Dimensions mm (in) |              |              |              |             |                |
|----------|--------------|---------------|-------------------------|--------------------|--------------|--------------|--------------|-------------|----------------|
|          |              |               |                         | Screw              | B            | C            | D            | E           | F              |
| TS0803   | 3.5          | 4.0mm²        | 22-12 Sol./Str.         | M2.6x5             | 16.30 (0.64) | 13.30 (0.53) | 8.00 (0.32)  | 2.90 (0.11) | 2.8±0.1 (0.11) |
| TS0804   | 3.5          | 1.5mm²        | 22-12 Sol./Str.         | M2.6x5             | 16.30 (0.64) | 13.30 (0.52) | 8.00 (0.32)  | 2.90 (0.11) | 2.8±0.1 (0.11) |
| TS1003   | 4.4          | 6.0mm²        | 22-10 Sol. 14-10 Str.   | M3.0x6             | 20.20 (0.80) | 15.80 (0.62) | 10.00 (0.39) | 3.60 (0.14) | 3.2±0.1 (0.13) |
| TS1004   | 4.4          | 2.5mm²        | 22-12 Sol./Str. 10 Sol. | M3.0x6             | 20.20 (0.80) | 15.80 (0.62) | 10.00 (0.39) | 3.60 (0.14) | 3.2±0.1 (0.13) |

## Part Numbering System

### Spacing



08  
10

### Base



03 - flat  
04 - flat w/  
wire protector

### Positions



02 to 12

## Series TS - Raised Base

Terminal Blocks; 8.00, 10.00mm Centers

## SPECIFICATIONS

Rating: TS08 – 20A, 600V

TS10 – 30A, 600V

Wire Range: See Table

Housing Material: Polyamide Type 6/6, 94V2 (white)

Contact Material: nickel-plated Brass

Wire Protector: Stainless Steel

Screw Size: See Table

Operating Temperature: 105°C (221°F) max., -30°C (-22°F) min.

Torque Rating: See Table

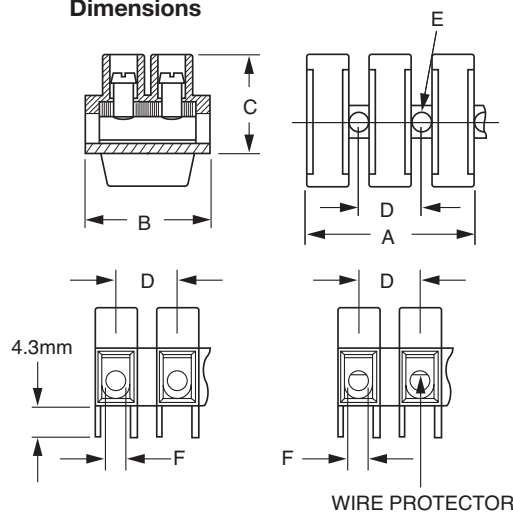
Construction: Mold to Length

Agency Information: UL File E62622; CE Certified



Note: TS Series standard base pictured above

## Dimensions



WIRE PROTECTOR

| # of Poles | A Dimensions |       |        |       |
|------------|--------------|-------|--------|-------|
|            | TS08         |       | TS10   |       |
|            | mm           | in    | mm     | in    |
| 2          | 15.80        | 0.622 | 17.50  | 0.689 |
| 3          | 23.80        | 0.937 | 27.50  | 1.083 |
| 4          | 31.80        | 1.252 | 37.50  | 1.476 |
| 5          | 39.80        | 1.567 | 47.50  | 1.870 |
| 6          | 47.80        | 1.882 | 57.50  | 2.264 |
| 7          | 55.80        | 2.232 | 67.50  | 2.657 |
| 8          | 63.80        | 2.512 | 77.50  | 3.051 |
| 9          | 71.80        | 2.827 | 87.50  | 3.445 |
| 10         | 79.80        | 3.142 | 97.50  | 3.839 |
| 11         | 87.80        | 3.457 | 107.50 | 4.232 |
| 12         | 95.80        | 3.772 | 117.50 | 4.626 |

| Position | Torque lb-in | Clamping Area      | Wire Range AWG (Cu)        | Screw  | Dimensions mm (in) |                 |                 |                |                   |
|----------|--------------|--------------------|----------------------------|--------|--------------------|-----------------|-----------------|----------------|-------------------|
|          |              |                    |                            |        | B                  | C               | D               | E              | F                 |
| TS0805   | 3.5          | 4.0mm <sup>2</sup> | 22-12 Sol./Str.            | M2.6x5 | 16.30<br>(0.64)    | 16.90<br>(0.67) | 8.00<br>(0.32)  | 2.90<br>(0.11) | 2.8±0.1<br>(0.11) |
| TS0806   | 3.5          | 1.5mm <sup>2</sup> | 22-12 Sol./Str.            | M2.6x5 | 16.30<br>(0.64)    | 16.90<br>(0.67) | 8.00<br>(0.32)  | 2.90<br>(0.11) | 2.8±0.1<br>(0.11) |
| TS1005   | 4.4          | 6.0mm <sup>2</sup> | 22-10 Sol.<br>14-10 Str.   | M3.0x6 | 20.20<br>(0.80)    | 20.10<br>(0.79) | 10.00<br>(0.39) | 3.60<br>(0.14) | 3.2±0.1<br>(0.13) |
| TS1006   | 4.4          | 2.5mm <sup>2</sup> | 22-12 Sol./Str.<br>10 Sol. | M3.0x6 | 20.20<br>(0.80)    | 20.10<br>(0.79) | 10.00<br>(0.39) | 3.60<br>(0.14) | 3.2±0.1<br>(0.13) |

## Part Numbering System

## Spacing

08  
10

## Base

05 - stand offs  
06 - stand offs w/  
wire protector

## Positions



02 to 12

## EUROMAG (EM) SERIES

Aside from the collection covered in the next section, MAGNUM also offers a variety of other standard European style PCB terminal blocks. Configurations include straight to board, plug and header, screwless, insulation displacement connectors (IDC), 2-tiered, 3-tiered, mold-to-length, modular (stackable) design, and terminal blocks with horizontal, vertical, 35 and 45 degree wire entry orientations. Available center spacings range from 2.54 mm to 15.00 mm.

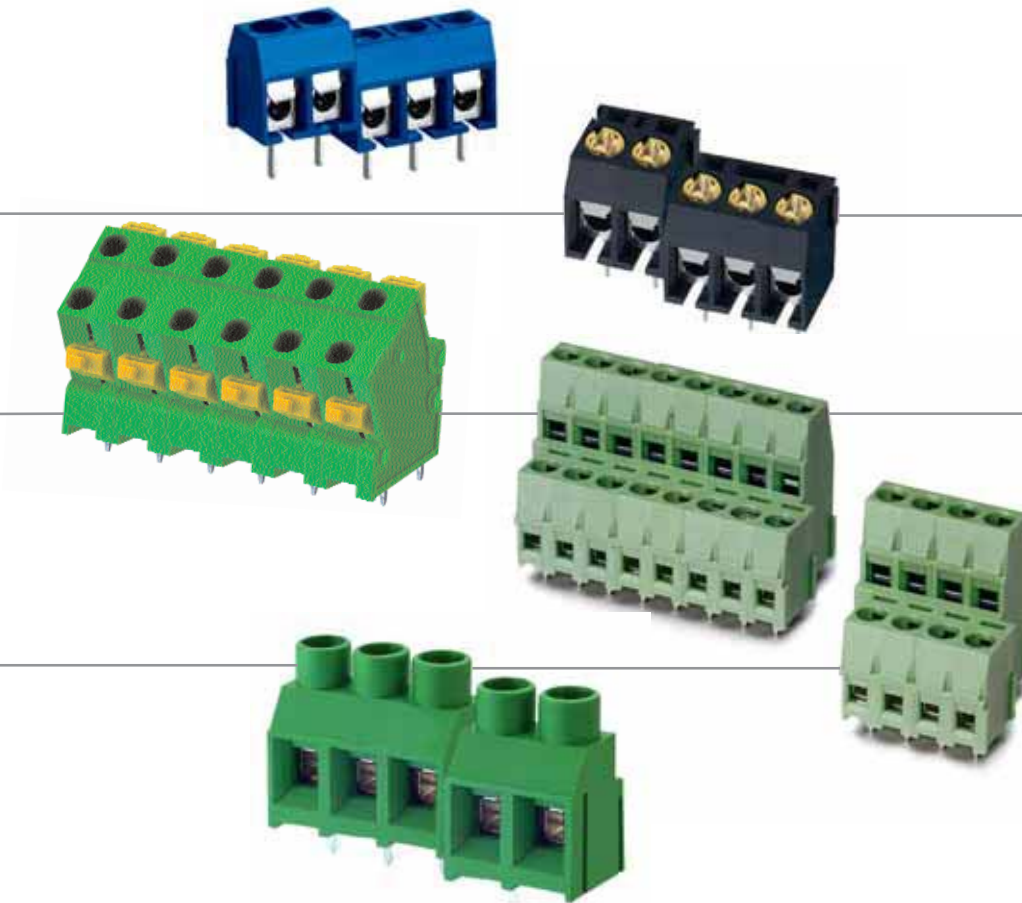
**Log onto our website at**  
[www.cooperbusssmann.com/magnum](http://www.cooperbusssmann.com/magnum)  
**to see all of MAGNUM's product offerings.**

### PCB Mount:

- Spring Clamp Design p38-46
- Cage Clamp Design p47-57
- Two & Three Tier p58-62
- High Current (28A-115A) p63-73

Screwless p74-82

Pluggable p83-115



## EM3123 Series Euro-Mag Terminal Blocks

3.50 Centers; Modular

### SPECIFICATIONS

**Rating:** 6A, 300V

**Center Spacing:** 0.138" (3.50mm)

**Wire Range:** #16-26 AWG

**Housing Material:** Black Polyamide Type 6/6, 94V0

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M2.0 Chromate Steel

**Operating Temperature:** 105°C (221°F) max., -33°C (-27°F) min.

**Torque Rating:** 2.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

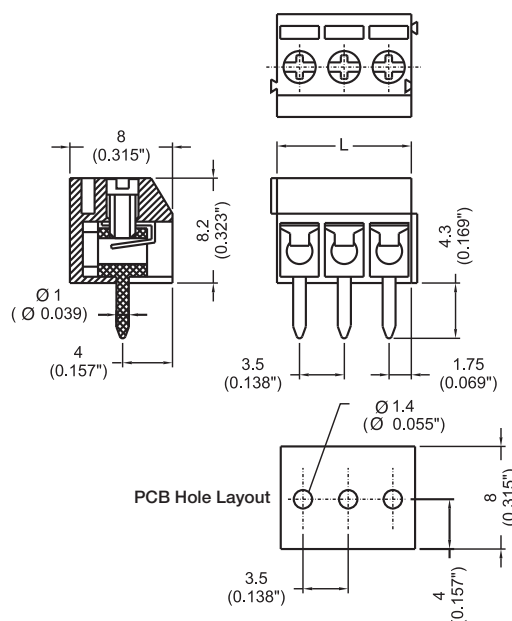
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:** eNUS File E62622; CE Certified



EM312305

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 7.0    | 14    | 49.5   |
| 3     | 10.5   | 15    | 52.5   |
| 4     | 14.0   | 16    | 56.0   |
| 5     | 17.5   | 17    | 59.5   |
| 6     | 21.0   | 18    | 63.0   |
| 7     | 24.5   | 19    | 66.5   |
| 8     | 28.0   | 20    | 70.0   |
| 9     | 31.5   | 21    | 73.5   |
| 10    | 35.0   | 22    | 77.0   |
| 11    | 38.5   | 23    | 80.5   |
| 12    | 42.0   | 24    | 84.0   |
| 13    | 45.5   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3123

02 to 24



## EM2665 Series

### Euro-Mag Terminal Blocks

5.00 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.394" (10.00mm)

**Wire Range:** #14-22 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M3x5 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 7 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Mold to Length

**Connector Style:** Spring Clamp

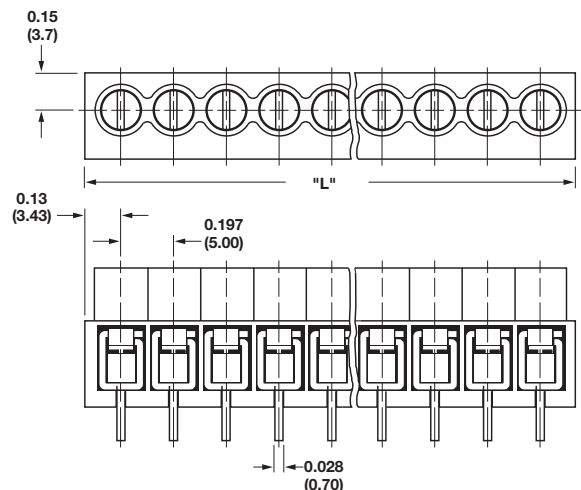
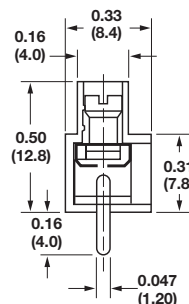
**Agency Information:** eus File E62622; CE Certified



EM266512

| Position | L (mm) | Position | L (mm) |
|----------|--------|----------|--------|
| 02       | 10.0   | 14       | 70.0   |
| 03       | 15.0   | 15       | 75.0   |
| 04       | 20.0   | 16       | 80.0   |
| 05       | 25.0   | 17       | 85.0   |
| 06       | 30.0   | 18       | 90.0   |
| 07       | 35.0   | 19       | 95.0   |
| 08       | 40.0   | 20       | 100.0  |
| 09       | 45.0   | 21       | 105.0  |
| 10       | 50.0   | 22       | 110.0  |
| 11       | 55.0   | 23       | 115.0  |
| 12       | 60.0   | 24       | 120.0  |
| 13       | 65.0   |          |        |

To convert to inches, divide by 25.4



Also available in 10.00mm (EM2661XX).

## Part Numbering System

Series

# of Positions

EM2665

□ □

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## EM3660 Series Euro-Mag Terminal Blocks

5.00 Centers; Modular

### SPECIFICATIONS

**Rating:** 16A, 250V

**Center Spacing:** 0.197" (5.00mm)

**Wire Range:** #16-24 AWG

**Housing Material:** Blue Polyamide Type 6/6, 94V0

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M3 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -33°C (-27°F) min.

**Torque Rating:** 4.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

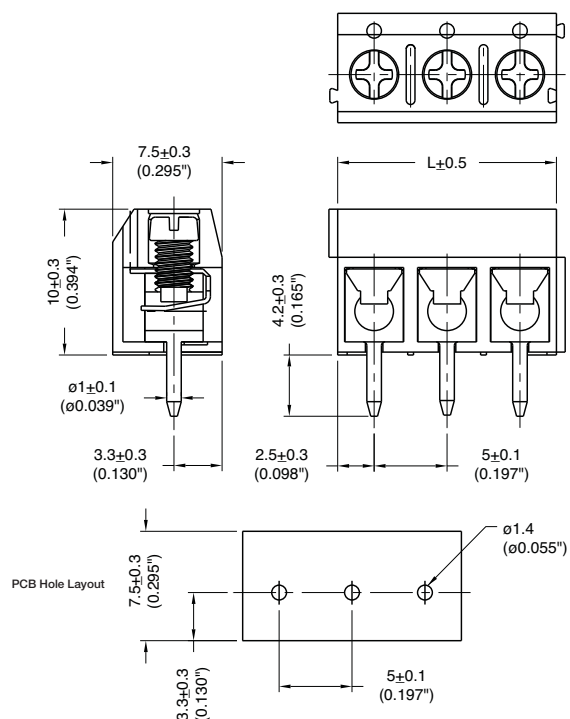
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM366005

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3660

□ □

02 to 24

## EM3665 Series

### Euro-Mag Terminal Blocks

5.00 Centers; Modular

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.197" (5.00mm)

**Wire Range:** #16-22 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Screw Size:** M2.5x5 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 2.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

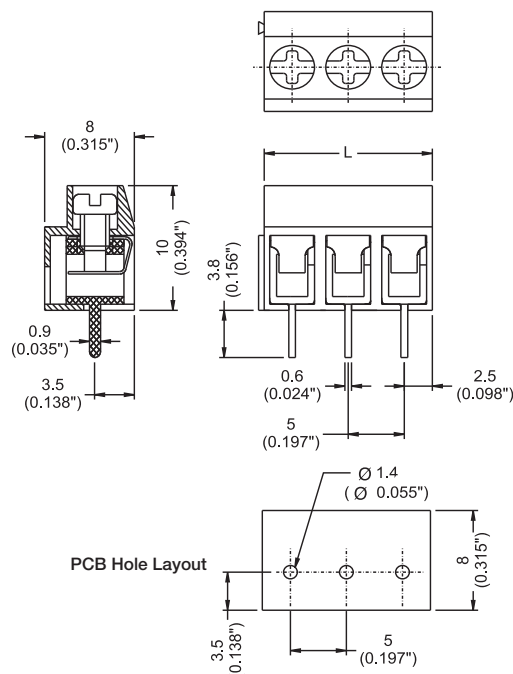
**Connector Style:** Spring Clamp

**Agency Information:** cULus File E62622; CE Certified



EM366512

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3665

□□

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## EM3675 Series

### Euro-Mag Terminal Blocks

5.00 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.197" (5.00mm)

**Wire Range:** #14-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Screw Size:** M2x6, Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 4.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Mold to Length

**Connector Style:** Spring Clamp

**Agency Information:**  File E62622; CE Certified

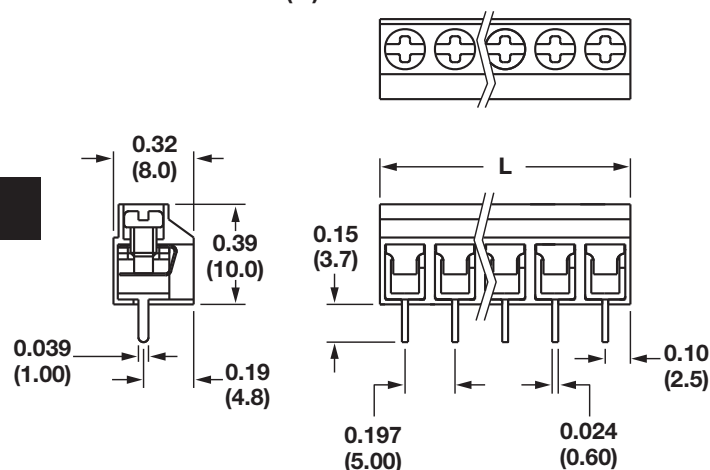


EM367512

#### Dimensions - mm (in)

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 15    | 75.0   |
| 3     | 15.0   | 16    | 80.0   |
| 4     | 20.0   | 17    | 85.0   |
| 5     | 25.0   | 18    | 90.0   |
| 6     | 30.0   | 19    | 95.0   |
| 7     | 35.0   | 20    | 100.0  |
| 8     | 40.0   | 21    | 105.0  |
| 9     | 45.0   | 22    | 110.0  |
| 10    | 50.0   | 23    | 115.0  |
| 11    | 55.0   | 24    | 120.0  |
| 12    | 60.0   | 25    | 125.0  |
| 13    | 65.0   | 26    | 130.0  |
| 14    | 70.0   | 27    | 135.0  |

To convert to inches, divide by 25.4



## Part Numbering System

Series

# of Poles

EM3675

02 27

02 to 27

## EM3127 Series

### Euro-Mag Terminal Blocks

7.50 Centers; Modular

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.295" (7.50mm)

**Wire Range:** #14-22 AWG

**Housing Material:** Black Polyamide Type 6/6, 94V0

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M3.0 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -33°C (-27°F) min.

**Torque Rating:** 3.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

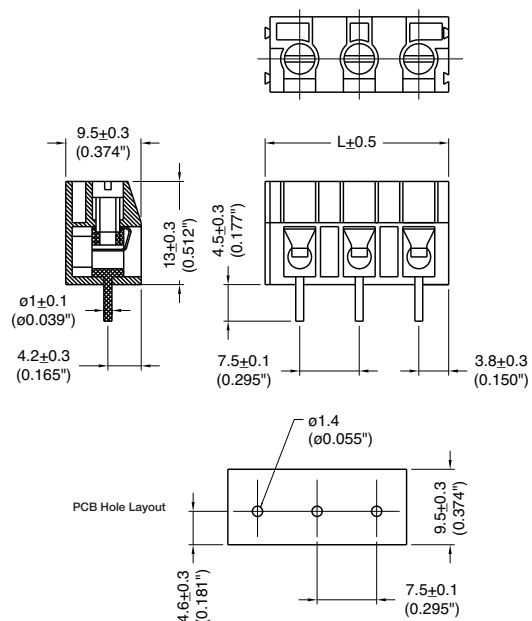
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:** cULus File E62622; CE Certified



EM312705

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 14    | 105.0  |
| 3     | 22.5   | 15    | 112.5  |
| 4     | 33.0   | 16    | 120.0  |
| 5     | 37.5   | 17    | 127.5  |
| 6     | 45.0   | 18    | 133.0  |
| 7     | 52.5   | 19    | 142.5  |
| 8     | 60.0   | 20    | 150.0  |
| 9     | 67.5   | 21    | 157.5  |
| 10    | 75.0   | 22    | 165.0  |
| 11    | 82.5   | 23    | 172.5  |
| 12    | 90.0   | 24    | 180.0  |
| 13    | 97.5   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3127

□□

02 to 24

## EM2661 Series Euro-Mag Terminal Blocks

10.00 Centers

### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.394" (10.00mm)

**Wire Range:** #14-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M2.6 Chromate Steel

**Operating Temperature:** 105°C (221°F) max., -55°C (-40°F) min.

**Torque Rating:** 4.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

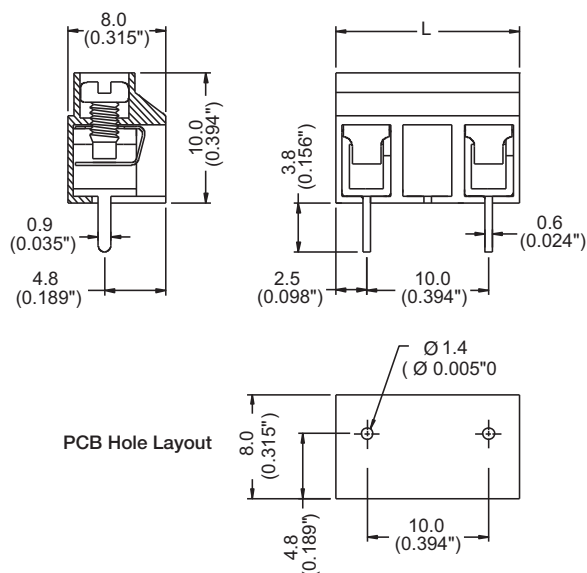
**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified



EM266106

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 8     | 75.0   |
| 3     | 25.0   | 9     | 85.0   |
| 4     | 35.0   | 10    | 95.0   |
| 5     | 45.0   | 11    | 105.0  |
| 6     | 55.0   | 12    | 115.0  |
| 7     | 65.0   | 13    | 125.0  |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM2661

02 to 13



## EM3661 Series

### Euro-Mag Terminal Blocks

10.00 Centers; Modular

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.394" (10.00mm)

**Wire Range:** #14-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M2.6 Chromate Steel

**Operating Temperature:** 105°C (221°F) max., -55°C (-40°F) min.

**Torque Rating:** 4.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

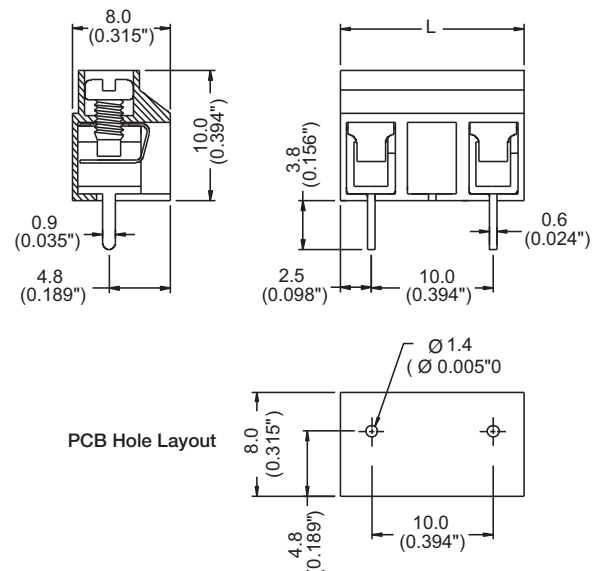
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  US File E62622; CE Certified



EM366102

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 9     | 50.0   |
| 3     | 20.0   | 10    | 55.0   |
| 4     | 25.0   | 11    | 60.0   |
| 5     | 30.0   | 12    | 65.0   |
| 6     | 35.0   | 13    | 70.0   |
| 7     | 40.0   | 14    | 75.0   |
| 8     | 45.0   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3661

□□

02 to 14

## EM3671 Series

### Euro-Mag Terminal Blocks

10.00 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.394" (10.00mm)

**Wire Range:** #14-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Wire Protector:** Stainless Steel

**Screw Size:** M2.6 Chromate Steel

**Operating Temperature:** 105°C (221°F) max., -55°C (-40°F) min.

**Torque Rating:** 4.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

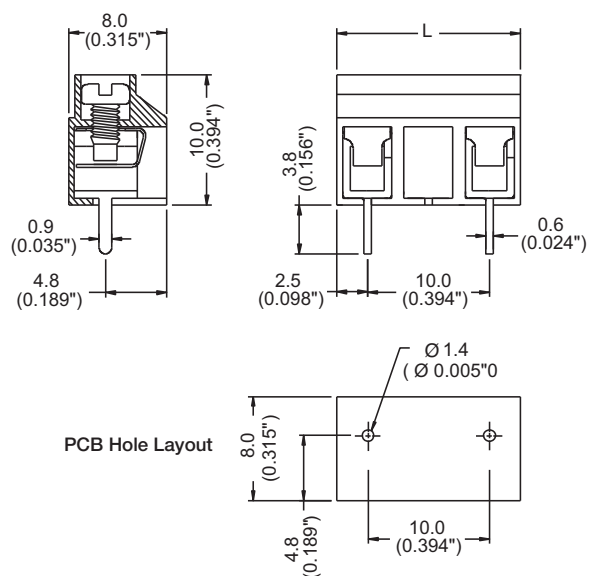
**Construction:** Mold-to-Length

**Agency Information:** e<sub>RU</sub> File E62622; CE Certified



EM367106

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 8     | 75.0   |
| 3     | 25.0   | 9     | 85.0   |
| 4     | 35.0   | 10    | 95.0   |
| 5     | 45.0   | 11    | 105.0  |
| 6     | 55.0   | 12    | 115.0  |
| 7     | 65.0   | 13    | 125.0  |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM3671

□□

02 to 13

## EM3923 Series

### Euro-Mag Terminal Blocks

3.50 Centers; Modular

#### SPECIFICATIONS

**Rating:** 8A, 300V

**Center Spacing:** 0.138" (3.50mm)

**Wire Range:** #16-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.0 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-67°F) min.

**Torque Rating:** 2.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

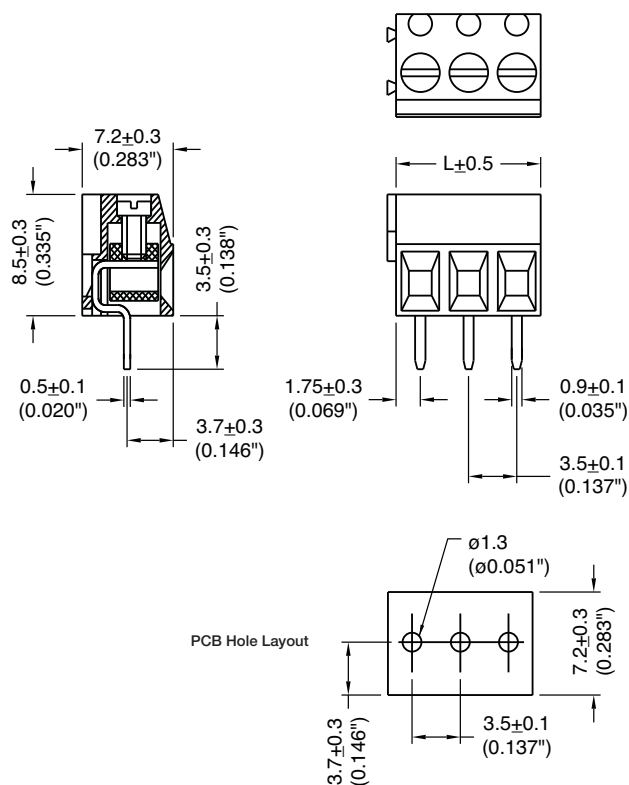
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM392305

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 7.0    | 14    | 49.5   |
| 3     | 10.5   | 15    | 52.5   |
| 4     | 14.0   | 16    | 56.0   |
| 5     | 17.5   | 17    | 59.5   |
| 6     | 21.0   | 18    | 63.0   |
| 7     | 24.5   | 19    | 66.5   |
| 8     | 28.0   | 20    | 70.0   |
| 9     | 31.5   | 21    | 73.5   |
| 10    | 35.0   | 22    | 77.0   |
| 11    | 38.5   | 23    | 80.5   |
| 12    | 42.0   | 24    | 84.0   |
| 13    | 45.5   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles



02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## EM3503 Series Euro-Mag Terminal Blocks

3.81 Centers; Modular

### SPECIFICATIONS

**Rating:** 8A, 300V

**Center Spacing:** 0.150" (3.81mm)

**Wire Size:** #16-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M 2x3 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 4.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

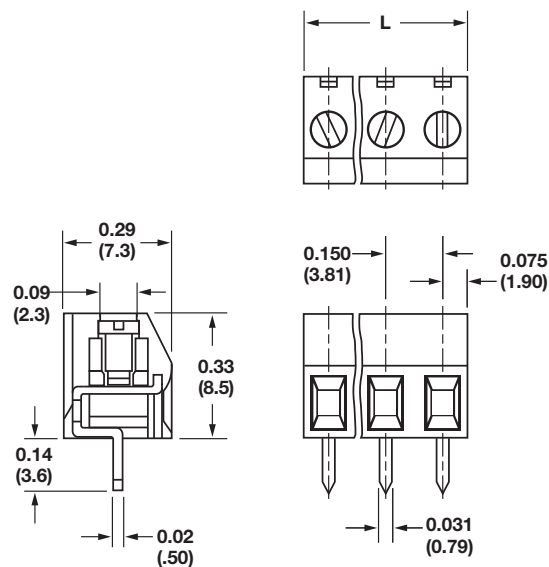
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM350305

### Dimensions - mm (in)



To convert to inches, divide by 25.4

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 7.62   | 14    | 53.34  |
| 3     | 11.43  | 15    | 57.15  |
| 4     | 15.24  | 16    | 60.96  |
| 5     | 19.05  | 17    | 64.77  |
| 6     | 22.86  | 18    | 68.58  |
| 7     | 26.67  | 19    | 72.39  |
| 8     | 30.48  | 20    | 76.20  |
| 9     | 34.29  | 21    | 80.01  |
| 10    | 38.10  | 22    | 83.82  |
| 11    | 41.91  | 23    | 87.63  |
| 12    | 45.72  | 24    | 91.44  |
| 13    | 49.53  |       |        |

## Part Numbering System

Series

# of Positions

EM3503

02 to 24

## EM2585 Series Euro-Mag Terminal Blocks

5.00 Centers; Modular

### SPECIFICATIONS

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.394" (10.00mm)

**Wire Range:** #12-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M3x5 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 7 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Connector Style:** Rising Cage Clamp

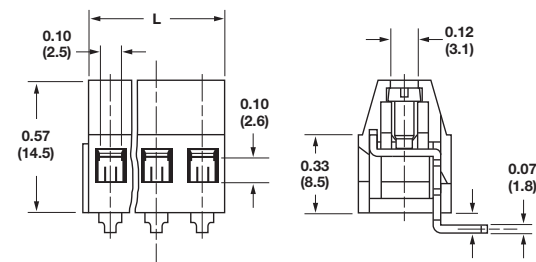
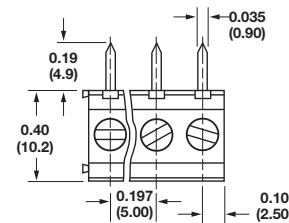
**Agency Information:** cULus File E62622; CE Certified



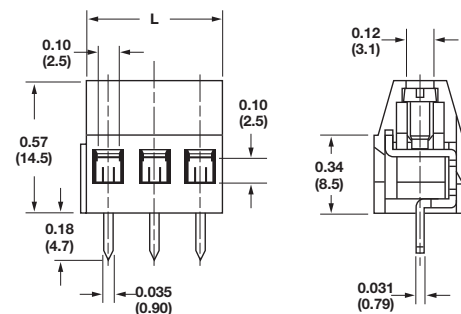
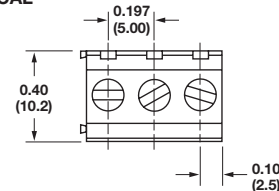
EM258505V

### Dimensions - mm (in)

#### HORIZONTAL



#### VERTICAL



| Position | L (mm) | Position | L (mm) |
|----------|--------|----------|--------|
| 02       | 10.0   | 14       | 70.0   |
| 03       | 15.0   | 15       | 75.0   |
| 04       | 20.0   | 16       | 80.0   |
| 05       | 25.0   | 17       | 85.0   |
| 06       | 30.0   | 18       | 90.0   |
| 07       | 35.0   | 19       | 95.0   |
| 08       | 40.0   | 20       | 100.0  |
| 09       | 45.0   | 21       | 105.0  |
| 10       | 50.0   | 22       | 110.0  |
| 11       | 55.0   | 23       | 115.0  |
| 12       | 60.0   | 24       | 120.0  |
| 13       | 65.0   |          |        |

To convert to inches, divide by 25.4

### Part Numbering System

Series

EM2585

# of Positions

02 to 24

Orientation

H - horizontal  
V - vertical

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**EM3225 Series****Euro-Mag Terminal Blocks**

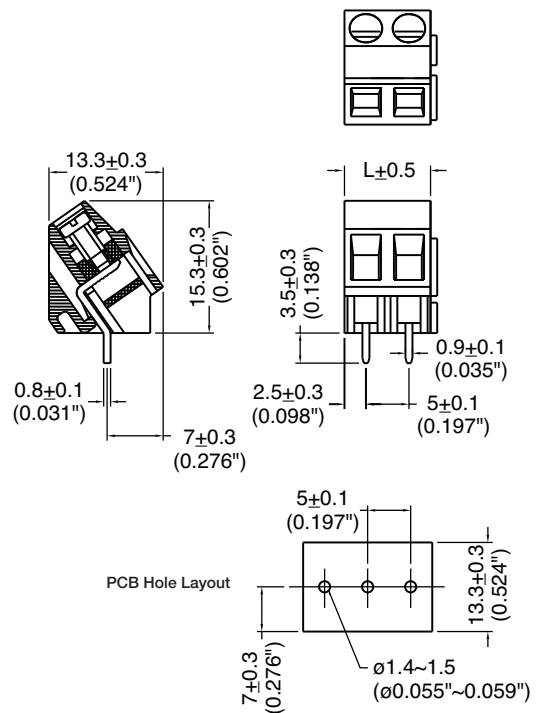
35° Angle; 5.00 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.393" (10.00mm)

**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 nickel-plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM322505

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3225

□ □

02 to 24



**EM2205 Series****Euro-Mag Terminal Blocks**

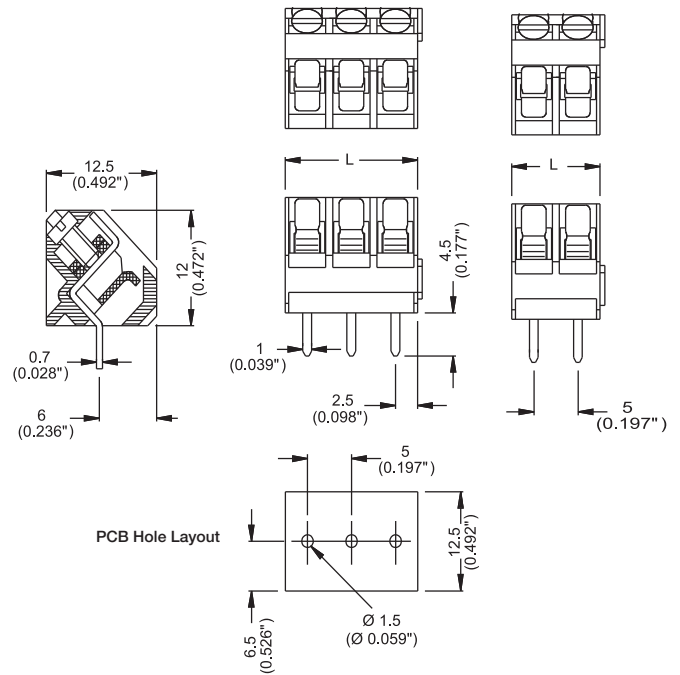
45° Angle, 5.00 Centers, Modular

**SPECIFICATIONS****Rating:** 10A, 300V**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.393" (10.00mm)

**Wire Range:** #12-24 AWG**Housing Material:** Grey Polyamide Type 6/6, 94V0**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Tin-Plated**Screw Size:** M2.6 Chromate Steel**Operating Temperature:** 105°C (221°F) max., -33°C (-27°F) min.**Torque Rating:** 3.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM220505

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**

EM2205

□□

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM2505 Series****Euro-Mag Terminal Blocks**

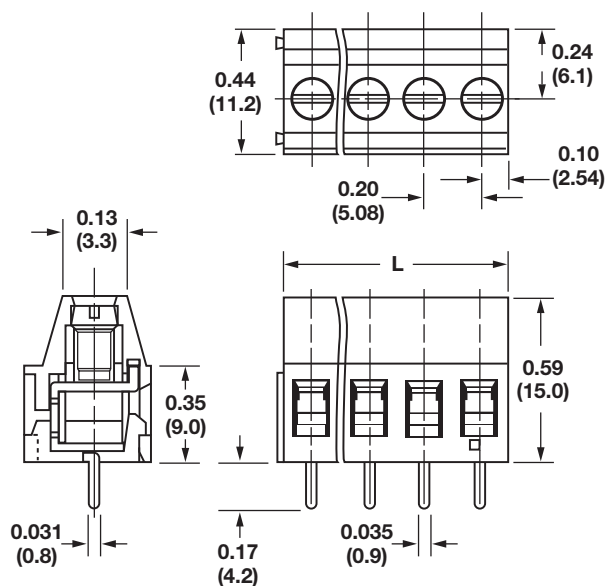
5.08 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.20" (5.08mm)

Consult factory for 0.40" (10.16mm)

**Wire Range:** #12-26 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Screw Size:** M3x5 Zinc-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 7 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Connector Style:** Rising Cage Clamp**Agency Information:**  File E62622; CE Certified

EM250505V

**Dimensions - mm (in)**

| Position | L (mm) | Position | L (mm) |
|----------|--------|----------|--------|
| 02       | 10.16  | 14       | 71.12  |
| 03       | 15.24  | 15       | 76.20  |
| 04       | 20.32  | 16       | 81.28  |
| 05       | 25.40  | 17       | 86.36  |
| 06       | 30.48  | 18       | 91.44  |
| 07       | 35.56  | 19       | 96.52  |
| 08       | 40.64  | 20       | 101.60 |
| 09       | 45.72  | 21       | 106.68 |
| 10       | 50.80  | 22       | 111.76 |
| 11       | 55.88  | 23       | 116.84 |
| 12       | 60.96  | 24       | 121.92 |
| 13       | 66.04  |          |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Positions

Orientation

EM2505

□ □

□

02 to 24

V - vertical

**EM3228 Series****Euro-Mag Terminal Blocks**

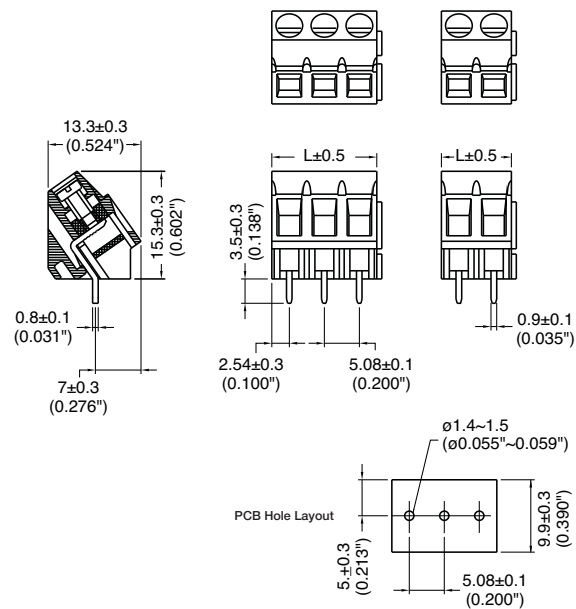
35° Angle; 5.08 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.20" (5.08mm)

Consult factory for 0.40" (10.16mm)

**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM322805

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.16  | 14    | 72.12  |
| 3     | 15.24  | 15    | 76.20  |
| 4     | 20.32  | 16    | 81.28  |
| 5     | 25.40  | 17    | 86.36  |
| 6     | 30.48  | 18    | 91.44  |
| 7     | 35.56  | 19    | 96.52  |
| 8     | 40.64  | 20    | 101.60 |
| 9     | 45.72  | 21    | 106.68 |
| 10    | 50.80  | 22    | 111.76 |
| 11    | 55.88  | 23    | 116.84 |
| 12    | 60.96  | 24    | 121.92 |
| 13    | 66.04  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**EM3228  

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

## EM2507 Series

### Euro-Mag Terminal Blocks

7.50 Centers; Modular

#### SPECIFICATIONS

**Rating:** 16A, 300V

**Center Spacing:** 0.295" (7.50mm)

**Wire Range:** #14-22 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

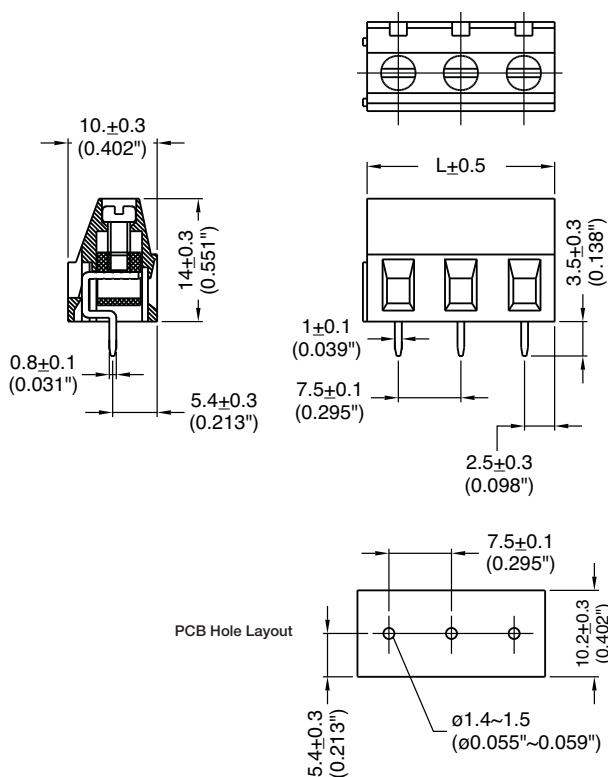
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM250705

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 14    | 105.0  |
| 3     | 22.5   | 15    | 112.5  |
| 4     | 33.0   | 16    | 120.0  |
| 5     | 37.5   | 17    | 127.5  |
| 6     | 45.0   | 18    | 133.0  |
| 7     | 52.5   | 19    | 142.5  |
| 8     | 60.0   | 20    | 150.0  |
| 9     | 67.5   | 21    | 157.5  |
| 10    | 75.0   | 22    | 165.0  |
| 11    | 82.5   | 23    | 172.5  |
| 12    | 90.0   | 24    | 180.0  |
| 13    | 97.5   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM2507

02 to 24

**EM3227 Series****Euro-Mag Terminal Blocks**

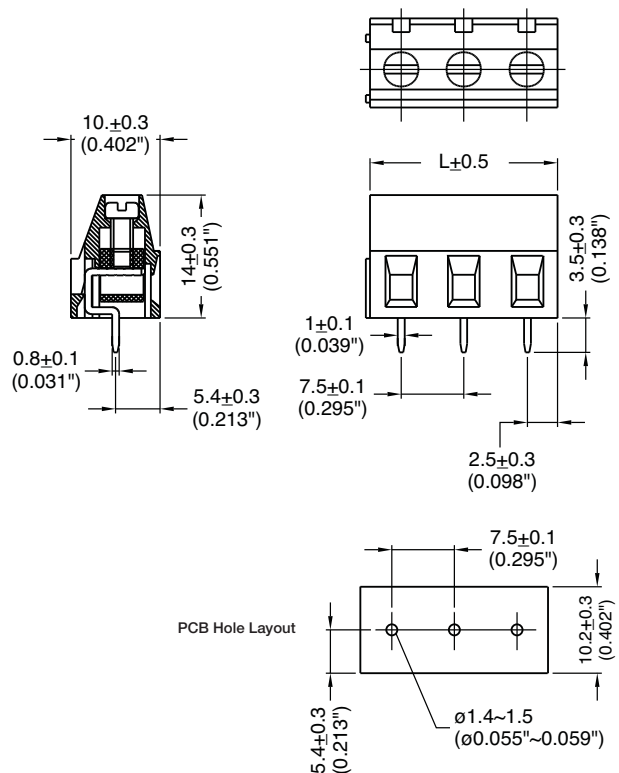
35° Angle, 7.50 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.295" (7.50mm)

Consult factory for 0.40" (10.16mm)

**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 5.0 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM322705

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 14    | 105.0  |
| 3     | 22.5   | 15    | 112.5  |
| 4     | 33.0   | 16    | 120.0  |
| 5     | 37.5   | 17    | 127.5  |
| 6     | 45.0   | 18    | 133.0  |
| 7     | 52.5   | 19    | 142.5  |
| 8     | 60.0   | 20    | 150.0  |
| 9     | 67.5   | 21    | 157.5  |
| 10    | 75.0   | 22    | 165.0  |
| 11    | 82.5   | 23    | 172.5  |
| 12    | 90.0   | 24    | 180.0  |
| 13    | 97.5   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3227

□□

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

## EM2506 Series Euro-Mag Terminal Blocks

7.62 Centers; Modular

### SPECIFICATIONS

**Rating:** 16A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

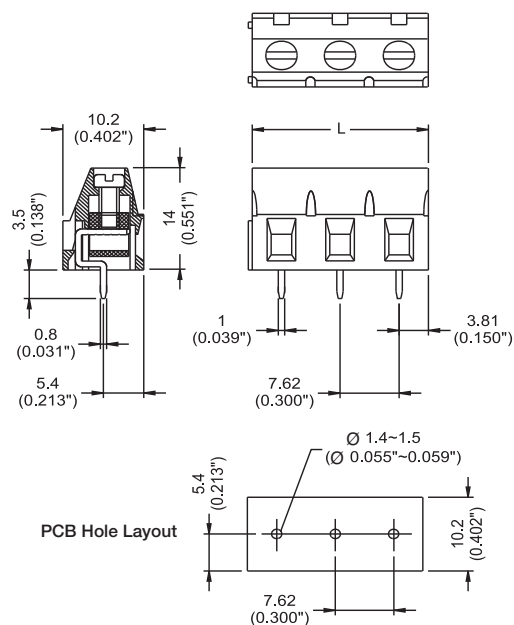
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM250605

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.24  | 14    | 106.69 |
| 3     | 22.86  | 15    | 114.31 |
| 4     | 30.48  | 16    | 121.93 |
| 5     | 38.10  | 17    | 129.55 |
| 6     | 45.72  | 18    | 137.17 |
| 7     | 53.34  | 19    | 144.79 |
| 8     | 60.96  | 20    | 152.41 |
| 9     | 68.58  | 21    | 160.03 |
| 10    | 76.20  | 22    | 167.65 |
| 11    | 83.82  | 23    | 175.27 |
| 12    | 91.44  | 24    | 182.89 |
| 13    | 99.07  |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM2506

□ □

02 to 24

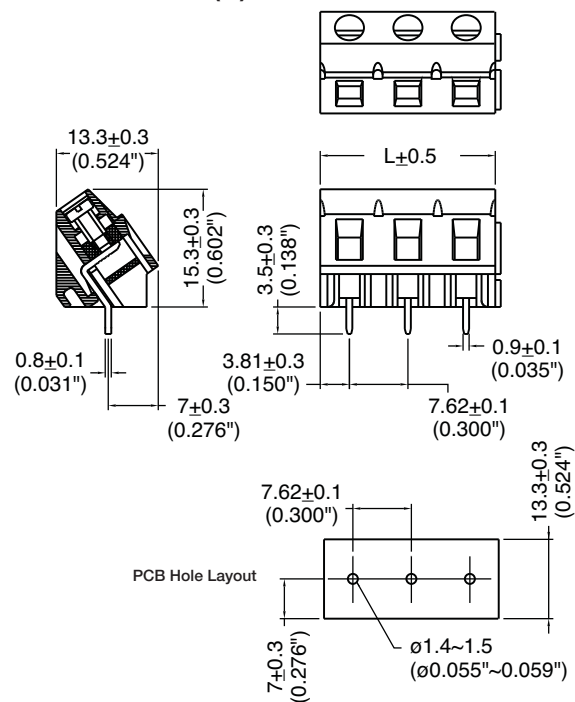


**EM3226 Series****Euro-Mag Terminal Blocks**

35° Angle, 7.62 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.30" (7.62mm)**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 5.0 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  US File E62622; CE Certified

EM322605

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2*    | 15.24  | 14    | 106.69 |
| 3*    | 22.86  | 15    | 114.31 |
| 4     | 30.48  | 16    | 121.93 |
| 5     | 38.10  | 17    | 129.55 |
| 6     | 45.72  | 18    | 137.17 |
| 7     | 53.34  | 19    | 144.79 |
| 8     | 60.96  | 20    | 152.41 |
| 9     | 68.58  | 21    | 160.03 |
| 10    | 76.20  | 22    | 167.65 |
| 11    | 83.82  | 23    | 175.27 |
| 12    | 91.44  | 24    | 182.89 |
| 13    | 99.07  |       |        |

\* Mold To Length

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3226

□□

02 to 24

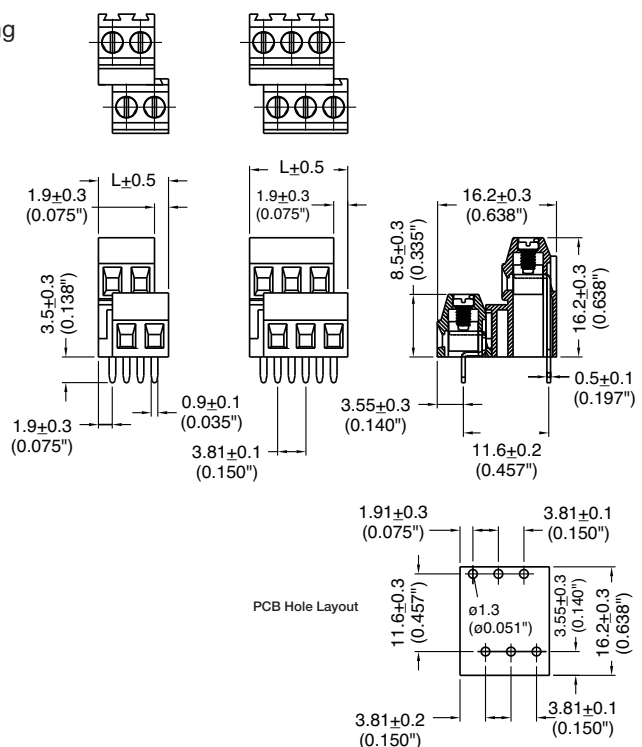
**EM2403 Series****Euro-Mag Terminal Blocks**

Two Tier; 3.81 Centers; Modular

**SPECIFICATIONS****Rating:** 10A, 300V**Center Spacing:** 0.150" (3.81mm)**Wire Range:** #16-26 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.0 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 2.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM240308

EM240304

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 9.53   | 8     | 32.39  |
| 3     | 13.34  | 9     | 36.20  |
| 4     | 17.15  | 10    | 40.00  |
| 5     | 20.96  | 11    | 43.80  |
| 6     | 24.77  | 12    | 47.60  |
| 7     | 28.58  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2403  

02 - 12



## EM2445 Series Euro-Mag Terminal Blocks

Two Tier; 5.00 Centers; Modular

### SPECIFICATIONS

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin Plated Brass

**Screw Size:** M2x6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.0 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Connector Style:** Rising Cage Clamp

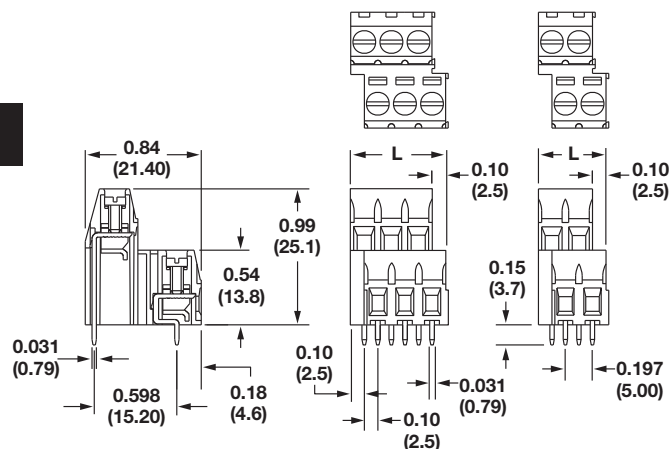
**Agency Information:**  File E62622; CE Certified



EM244508

EM244504

### Dimensions - mm (in)



To convert to inches, divide by 25.4

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 12.5   | 13    | 67.5   |
| 3     | 17.5   | 14    | 72.5   |
| 4     | 22.5   | 15    | 77.5   |
| 5     | 27.5   | 16    | 82.5   |
| 6     | 32.5   | 17    | 87.5   |
| 7     | 37.5   | 18    | 92.5   |
| 8     | 42.5   | 19    | 97.5   |
| 9     | 47.5   | 20    | 102.5  |
| 10    | 52.5   | 21    | 107.5  |
| 11    | 57.5   | 22    | 112.5  |
| 12    | 62.5   | 23    | 117.5  |
|       |        | 24    | 122.5  |

## Part Numbering System

Series

# of Poles

EM2445

02 24

02 to 24

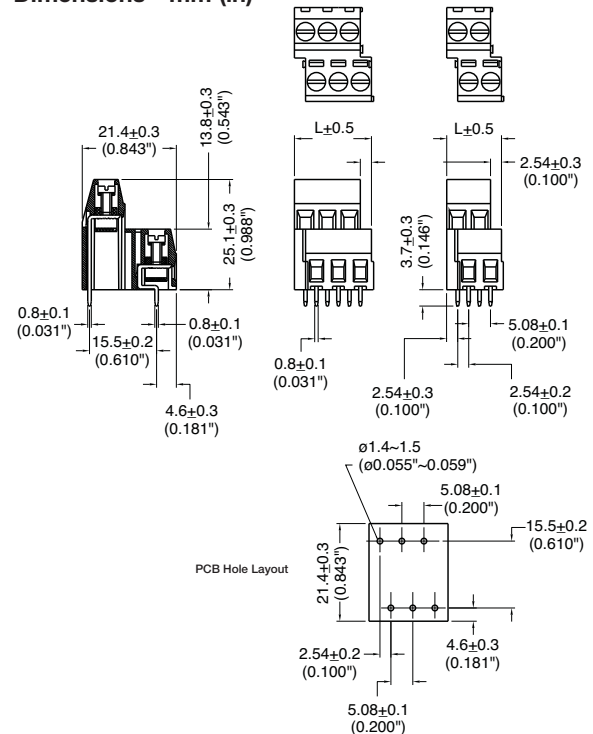
**EM2448 Series****Euro-Mag Terminal Blocks**

Two Tier; 5.08 Centers; Modular

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.20" (5.08mm)**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 4.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  US File E62622; CE Certified

EM244808

EM244804

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.16  | 14    | 71.12  |
| 3     | 15.24  | 15    | 76.20  |
| 4     | 20.32  | 16    | 81.28  |
| 5     | 25.40  | 17    | 86.36  |
| 6     | 30.48  | 18    | 91.44  |
| 7     | 35.56  | 19    | 96.52  |
| 8     | 40.64  | 20    | 101.60 |
| 9     | 45.72  | 21    | 106.68 |
| 10    | 50.80  | 22    | 111.76 |
| 11    | 55.88  | 23    | 116.84 |
| 12    | 60.96  | 24    | 121.92 |
| 13    | 66.04  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2448

□□

02 to 24

## EM2855 Series Euro-Mag Terminal Blocks

Three Tier; 5.00 Centers

### SPECIFICATIONS

Rating: 10A, 300V

Center Spacing: 0.197" (5.00mm)

Wire Range: #14-26 AWG

Housing Material: UL rated 94V0 Thermoplastic

Contact Material: Brass Tin-Plated

Cage Clamp: Brass Nickel-Plated

Screw Size: M26 Steel Chromatized

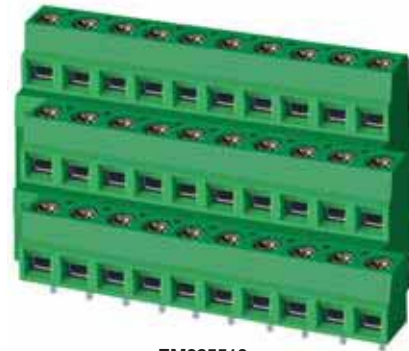
Operating Temperature: 105°C max., -55°C min.

Torque Rating: 4.5 lb-in

Recommended PCB Hole Diameters: 1.30mm (0.051")

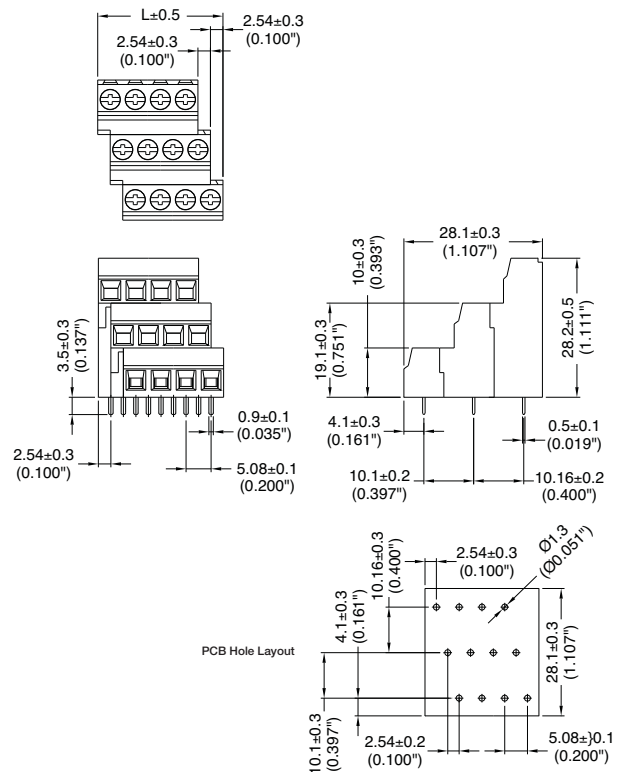
Construction: Mold-to-Length

Agency Information: cULus File E62622; CE Certified



EM285510

### Dimensions - mm (in)



### Poles L (mm)

|   |      |
|---|------|
| 2 | 12.5 |
| 3 | 17.5 |
| 4 | 22.5 |
| 5 | 27.5 |
| 6 | 32.5 |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM2855

02 to 06

Note: Longer positions, please consult factory.



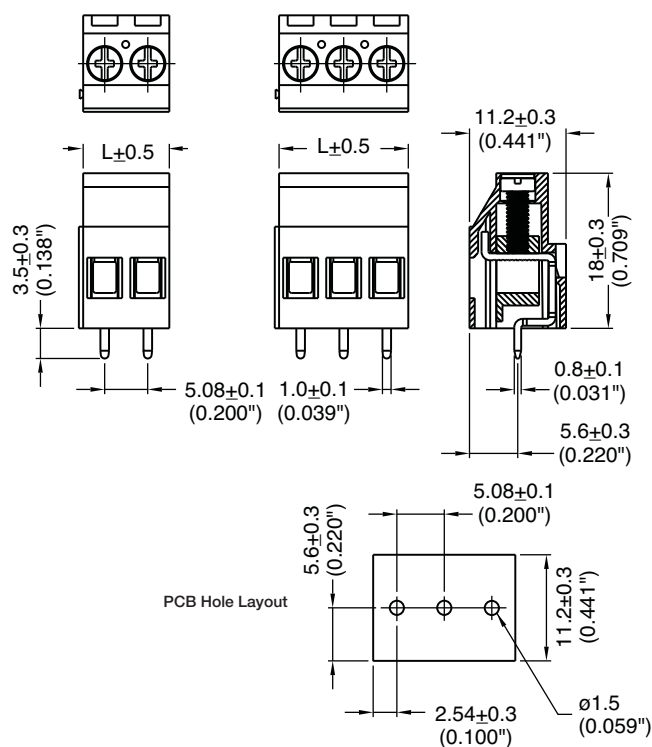
## Compliance References

**EM2908 Series****Euro-Mag Terminal Blocks**

High Current; 5.08 Centers; Modular

**SPECIFICATIONS****Rating:** 28A, 250V**Center Spacing:** 0.20" (5.08mm)**Wire Range:** #12-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 4.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM290808

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.16  | 14    | 71.12  |
| 3     | 15.24  | 15    | 76.20  |
| 4     | 20.32  | 16    | 81.28  |
| 5     | 25.40  | 17    | 86.36  |
| 6     | 30.48  | 18    | 91.44  |
| 7     | 35.56  | 19    | 96.52  |
| 8     | 40.64  | 20    | 101.60 |
| 9     | 45.72  | 21    | 106.68 |
| 10    | 50.80  | 22    | 111.76 |
| 11    | 55.88  | 23    | 116.84 |
| 12    | 60.96  | 24    | 121.92 |
| 13    | 66.04  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2908

□□

02 to 24

## EM9126 Series

### Euro-Mag Terminal Blocks

6.35 Centers; Modular

#### SPECIFICATIONS

**Rating:** 30A, 300V

**Center Spacing:** 0.250" (6.35mm)

**Wire Range:** #10-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M3.0 Steel Nickel-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.5 lb-in.

**Recommended PCB Hole Diameters:** 0.071" (1.80mm)

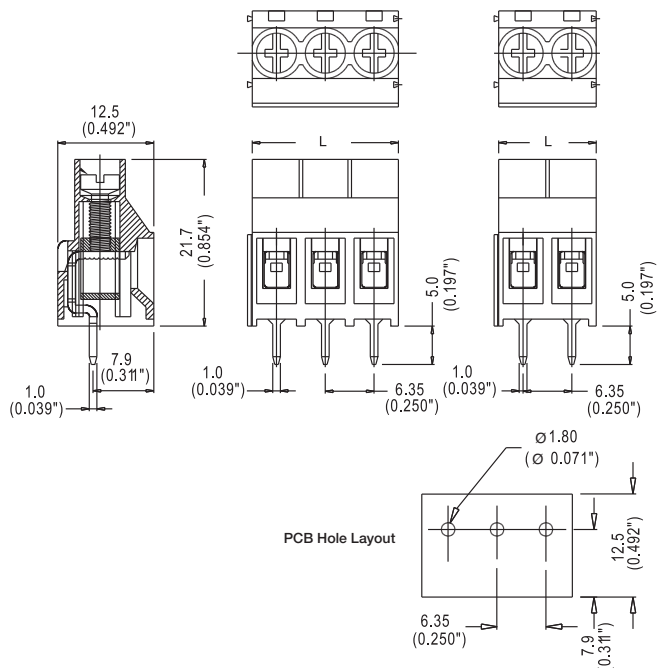
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM912605

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 12.70  | 14    | 88.90  |
| 3     | 19.05  | 15    | 95.25  |
| 4     | 25.40  | 16    | 101.60 |
| 5     | 31.75  | 17    | 107.95 |
| 6     | 38.10  | 18    | 114.30 |
| 7     | 44.45  | 19    | 120.65 |
| 8     | 50.80  | 20    | 127.00 |
| 9     | 57.15  | 21    | 133.35 |
| 10    | 63.50  | 22    | 139.70 |
| 11    | 69.85  | 23    | 146.05 |
| 12    | 76.20  | 24    | 152.40 |
| 13    | 82.55  |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM9126

02 to 24

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## EM9127 Series Euro-Mag Terminal Blocks

7.50 Centers; Modular

### SPECIFICATIONS

**Rating:** 30A, 300V

**Center Spacing:** 0.29" (7.50mm)

**Wire Range:** #10-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M3.5 Steel Nickel-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.5 lb-in.

**Recommended PCB Hole Diameters:** 0.071" (1.80mm)

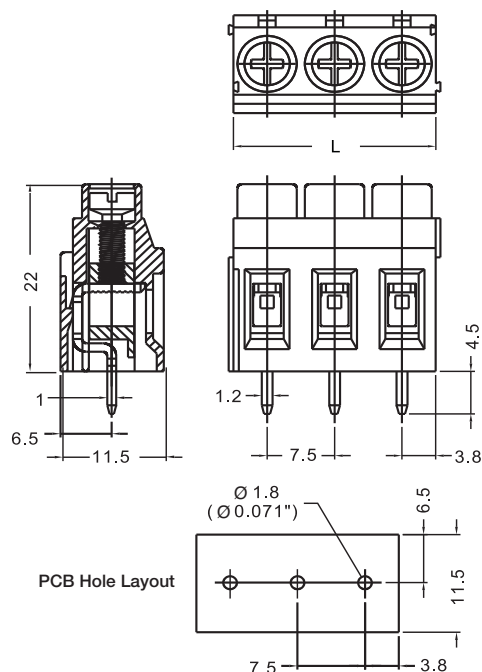
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  File E62622; CE Certified



EM912705

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.0   | 14    | 105.0  |
| 3     | 22.5   | 15    | 112.5  |
| 4     | 30.0   | 16    | 120.0  |
| 5     | 37.5   | 17    | 127.5  |
| 6     | 45.0   | 18    | 135.0  |
| 7     | 52.5   | 19    | 142.5  |
| 8     | 60.0   | 20    | 150.0  |
| 9     | 67.5   | 21    | 157.5  |
| 10    | 75.0   | 22    | 165.0  |
| 11    | 82.5   | 23    | 172.5  |
| 12    | 90.0   | 24    | 180.0  |
| 13    | 97.5   |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM9127

02 to 24

## EM9128 Series Euro-Mag Terminal Blocks

7.62 Centers; Modular

### SPECIFICATIONS

**Rating:** 30A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Wire Range:** #10-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M3.0 Steel Nickel-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.5 lb-in.

**Recommended PCB Hole Diameters:** 0.071" (1.80mm)

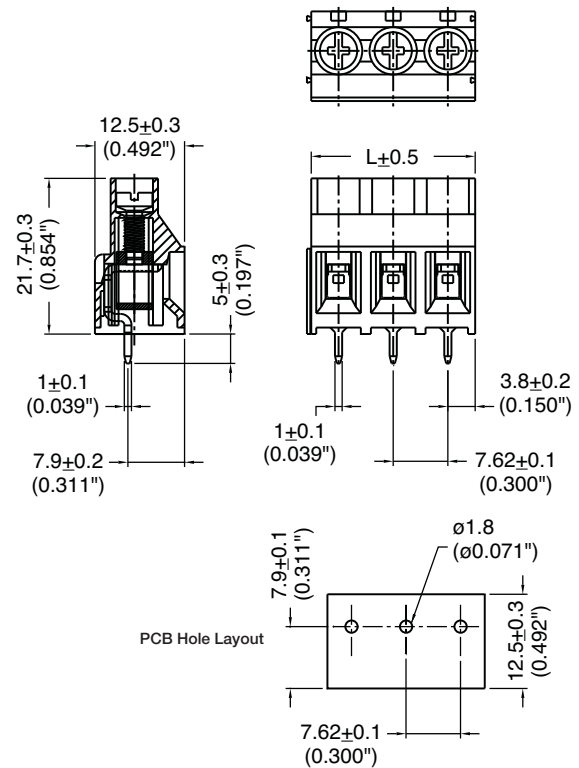
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  US File E62622; CE Certified



EM912805

### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.24  | 14    | 106.68 |
| 3     | 22.86  | 15    | 114.30 |
| 4     | 30.48  | 16    | 121.92 |
| 5     | 38.10  | 17    | 129.54 |
| 6     | 45.72  | 18    | 137.16 |
| 7     | 53.34  | 19    | 144.78 |
| 8     | 60.96  | 20    | 152.40 |
| 9     | 68.58  | 21    | 160.02 |
| 10    | 76.20  | 22    | 167.64 |
| 11    | 83.82  | 23    | 175.26 |
| 12    | 91.44  | 24    | 182.88 |
| 13    | 99.06  |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM9127

□□

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

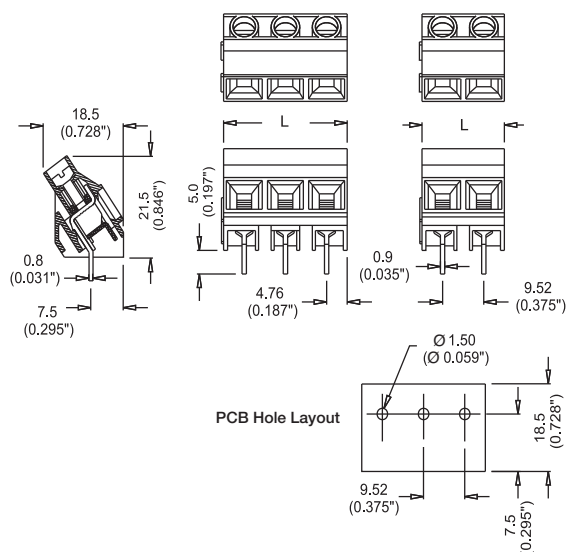
Compliance  
References

**EM2909 Series****Euro-Mag Terminal Blocks**

35° Angle; 9.52 Centers; Modular

**SPECIFICATIONS****Rating:** 30A, 600V**Center Spacing:** 0.375" (9.52mm)**Wire Range:** #10-20 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass Tin-Plated**Cage Clamp:** Steel, Nickel-Plated**Screw Size:** M3.0 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 5.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  US File E62622; CE Certified

EM290905

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 19.04  | 14    | 133.28 |
| 3     | 28.56  | 15    | 142.80 |
| 4     | 38.08  | 16    | 152.32 |
| 5     | 47.60  | 17    | 161.84 |
| 6     | 57.12  | 18    | 171.36 |
| 7     | 66.64  | 19    | 180.88 |
| 8     | 76.16  | 20    | 190.40 |
| 9     | 85.68  | 21    | 199.92 |
| 10    | 95.20  | 22    | 209.44 |
| 11    | 104.72 | 23    | 218.96 |
| 12    | 114.24 | 24    | 228.48 |
| 13    | 123.76 |       |        |

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**EM2909  

02 to 24



## EM2919 Series

### Euro-Mag Terminal Blocks

9.52 Centers; Modular

#### SPECIFICATIONS

**Rating:** 30A, 600V

**Center Spacing:** 0.375" (9.52mm)

**Wire Range:** #10-20 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Steel, Nickel-Plated

**Screw Size:** M3.0 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.5 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

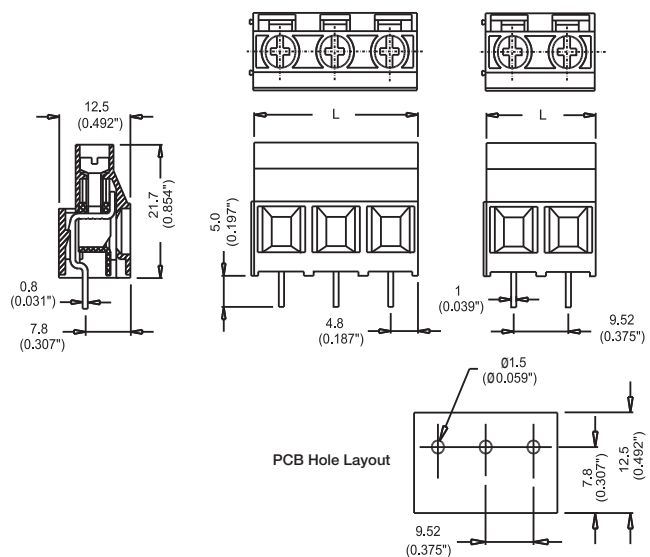
**Construction:** Modular design features dovetails for interlocking to achieve longer lengths

**Agency Information:**  US File E62622; CE Certified



EM291905

#### Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 19.04  | 14    | 133.28 |
| 3     | 28.56  | 15    | 142.80 |
| 4     | 38.08  | 16    | 152.32 |
| 5     | 47.60  | 17    | 161.84 |
| 6     | 57.12  | 18    | 171.36 |
| 7     | 66.64  | 19    | 180.88 |
| 8     | 76.16  | 20    | 190.40 |
| 9     | 85.68  | 21    | 199.92 |
| 10    | 95.20  | 22    | 209.44 |
| 11    | 104.72 | 23    | 218.96 |
| 12    | 114.24 | 24    | 228.48 |
| 13    | 123.76 |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

# of Poles

EM2919

□□

02 to 24

## EM2929 Series Euro-Mag Terminal Blocks

Hi-Current; 10.16 Centers

### SPECIFICATIONS

**Rating:** 65A, 600V

**Center Spacing:** 0.40" (10.16mm)

**Wire Range:** #6-20 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Copper

**Cage Clamp:** Steel, Chromate Plated

**Screw Size:** M4 Stainless Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 15 lb-in.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Mold to length

**Agency Information:** cULus File E62622; CE Certified

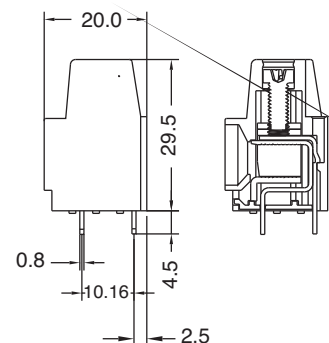
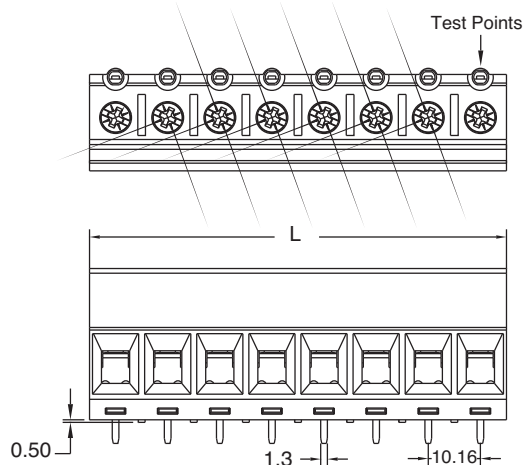


EM292908

### Dimensions - mm (in)

| Poles | L (mm) |
|-------|--------|
| 2     | 20.34  |
| 3     | 30.50  |
| 4     | 40.66  |
| 5     | 50.82  |
| 6     | 60.98  |
| 7     | 71.14  |
| 8     | 81.30  |

To convert to inches, divide by 25.4



## Part Numbering System

Series

# of Poles

EM2929

02 08

02 to 08

## EM2939 Series

### Euro-Mag Terminal Blocks

Hi-Current, 15.00 Centers

#### SPECIFICATIONS

**Rating:** 115A, 600V with No Bottom Cover (NC) Option.

**Center Spacing:** 0.591" (15.00mm)

**Wire Range:** #2-20 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Copper

**Cage Clamp:** Steel, Chromate-Plated

**Screw Size:** M5 Stainless Steel

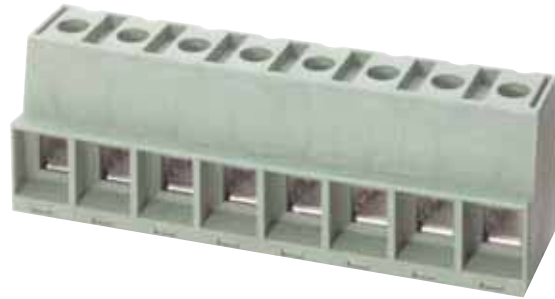
**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 15 lb-in.

**Recommended PCB Hole Diameters:** 0.063" (1.60mm)

**Construction:** Mold to length

**Agency Information:**  US File E62622; CE Certified



EM293908

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

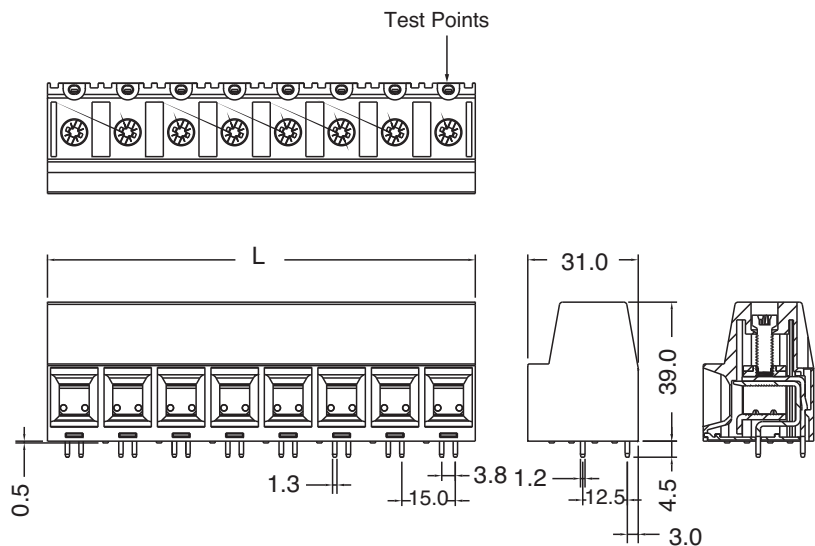
Edge Connectors,  
One-Sided Boards

Compliance  
References

#### Dimensions - mm (in)

| Poles | L (mm) |
|-------|--------|
| 2     | 30.0   |
| 3     | 45.0   |
| 4     | 60.0   |
| 5     | 75.0   |
| 6     | 90.0   |
| 7     | 105.0  |
| 8     | 120.0  |

To convert to inches, divide by 25.4



#### Part Numbering System

Series

EM2939

# of Poles

02 to 08

Bottom Cover Option

(NC)

N C

\*NC = No Bottom Cover

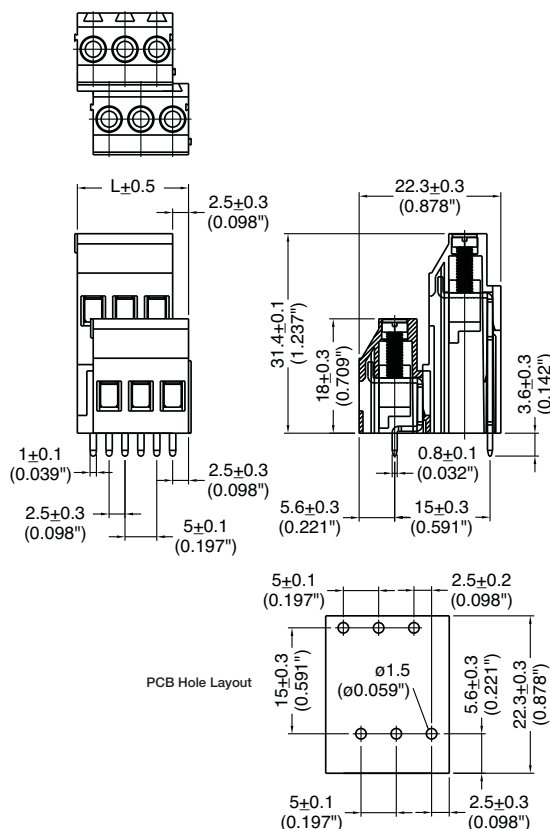
**EM3905 Series****Euro-Mag Terminal Blocks**

High Current; Two Tier; 5.00 Centers; Modular

**SPECIFICATIONS****Rating:** 28A, 250V**Center Spacing:** 0.197" (5.00mm)**Wire Range:** #12-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 4.5 lb-in.**Recommended PCB Hole Diameters:** 0.055" (1.40mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:**  File E62622; CE Certified

EM390508

EM390504

**Dimensions - mm (in)**

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3905

□ □

02 to 24



## EM2742 Series Euro-Mag Terminal Blocks

Screwless; 2.54 Centers

### SPECIFICATIONS

**Rating:** 6A, 63V

**Center Spacing:** 0.10" (25.4mm)

**Wire Range:** #20-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

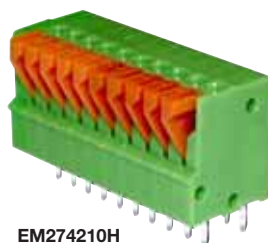
**Spring Material:** Stainless Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

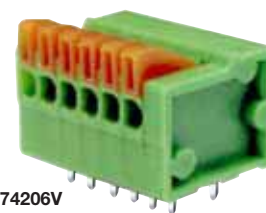
**Recommended PCB Hole Diameters:** 0.051" (1.30mm)

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



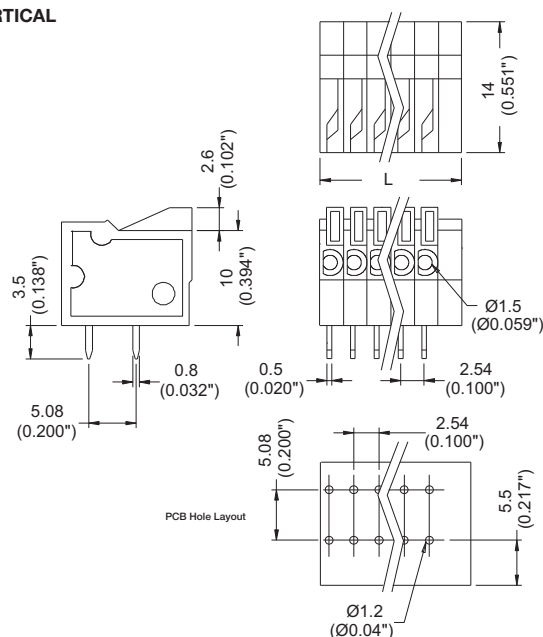
EM274210H



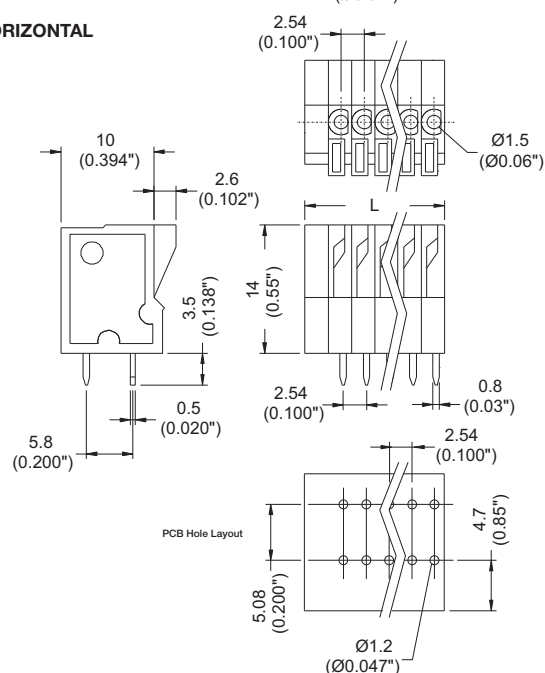
EM274206V

### Dimensions - mm (in)

#### VERTICAL



#### HORIZONTAL



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 8.08   | 10    | 30.94  |
| 3     | 10.62  | 11    | 33.48  |
| 4     | 13.16  | 12    | 36.02  |
| 5     | 15.70  | 13    | 38.56  |
| 6     | 18.24  | 14    | 41.10  |
| 7     | 20.78  | 15    | 43.64  |
| 8     | 23.32  | 16    | 46.18  |
| 9     | 25.86  |       |        |

To convert to inches, divide by 25.4

### Part Numbering System

| Series | # of Poles | Orientation                    |
|--------|------------|--------------------------------|
| EM2742 | 02 to 16   | H - horizontal<br>V - vertical |

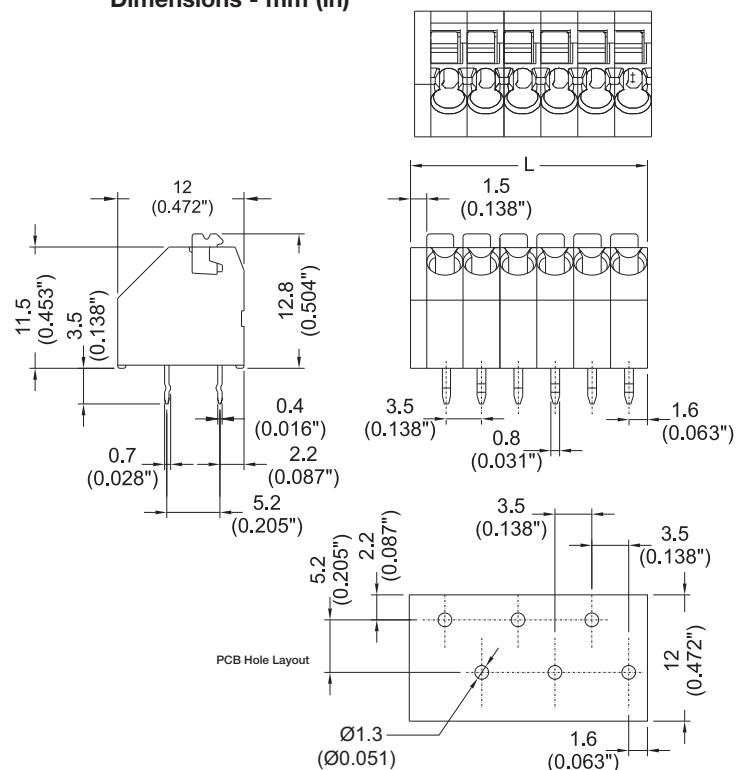


**EM2783 Series****Euro-Mag Terminal Blocks**

45° Entry; Screwless; 3.50 Centers

**SPECIFICATIONS****Rating:** 2A, 300V**Center Spacing:** 0.136" (3.50mm)**Wire Range:** #16-20 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin Plated Phos Bronze**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.051" (1.30mm)**Construction:** Mold-to-Length**Agency Information:**  US File E62622; CE Certified

EM278305

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 8.5    |
| 4     | 15.5   |
| 6     | 22.5   |
| 8     | 29.5   |
| 10    | 36.5   |
| 12    | 43.5   |
| 14    | 50.5   |
| 16    | 57.5   |
| 18    | 64.5   |
| 20    | 71.5   |
| 22    | 78.5   |
| 24    | 92.5   |

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**

|   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|--|--|
| E | M | 2 | 7 | 8 | 3 |  |  |
|---|---|---|---|---|---|--|--|

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM2802 Series****Euro-Mag Terminal Blocks**

30° Entry; Screwless; 2.54 Centers

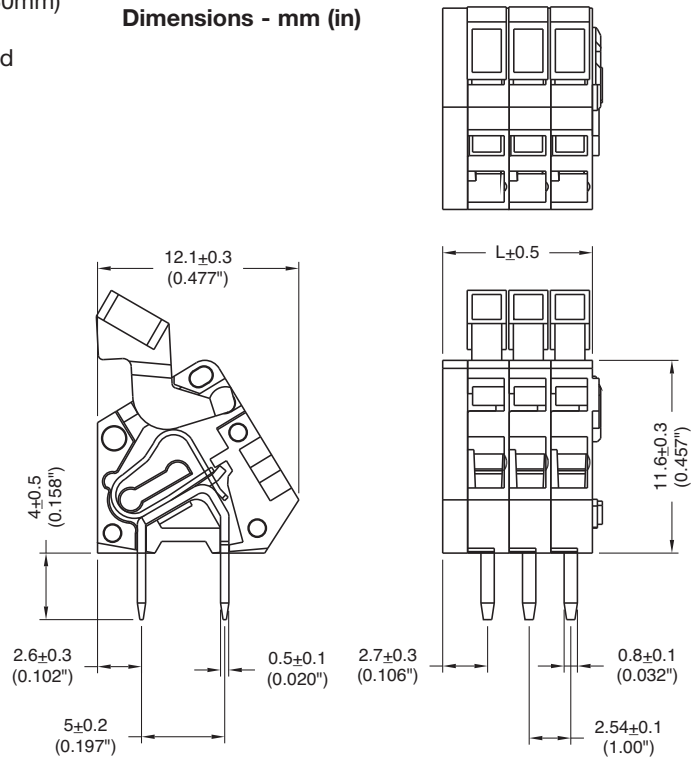
**SPECIFICATIONS****Rating:** 4A, 125V**Center Spacing:** 0.10" (2.54mm)**Wire Range:** #20-24 AWG**Housing Material:** Gray Polyamide Type 6/6, 94V0**Contact Material:** Tin-Plated Brass**Spring Material:** Stainless Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.051" (1.30mm)**Construction:** Mold-to-Length**Agency Information:**  File E62622; CE Certified

EM280207

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 7.08   |
| 3     | 9.62   |
| 4     | 12.16  |
| 5     | 14.70  |
| 6     | 17.24  |
| 7     | 19.78  |
| 8     | 22.32  |
| 9     | 24.86  |
| 10    | 27.40  |
| 11    | 29.94  |
| 12    | 32.48  |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2802

□ □

02 to 12

EM2785 Series  
Euro-Mag Terminal Blocks

45° Entry; Screwless; Modular; 5.00 Centers

SPECIFICATIONS

Rating: 7A, 300V

Center Spacing: 0.197" (5.00mm)

Wire Range: #16-22 AWG

Housing Material: UL rated 94V0 Thermoplastic

Contact Material: Tin-Plated Brass

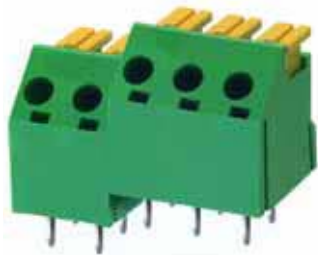
Spring Material: Stainless Steel

Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.

Recommended PCB Hole Diameters: 0.051" (1.30mm)

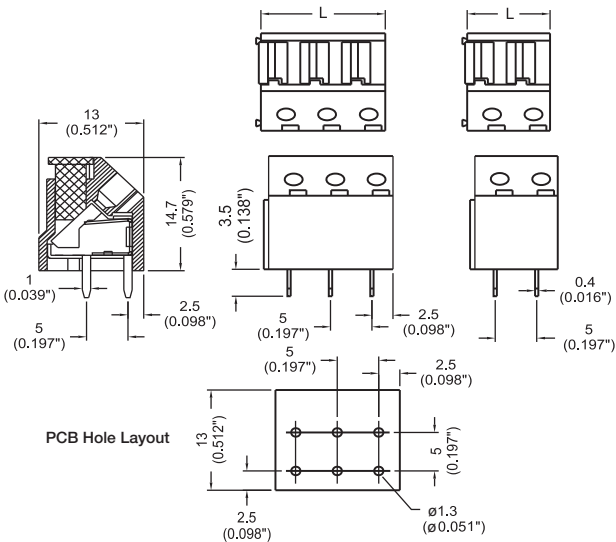
Construction: Modular design features dovetails for interlocking to achieve longer lengths

Agency Information:  File E62622; CE Certified



EM278505

Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

Part Numbering System

Series

# of Poles

EM2785

02 24

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

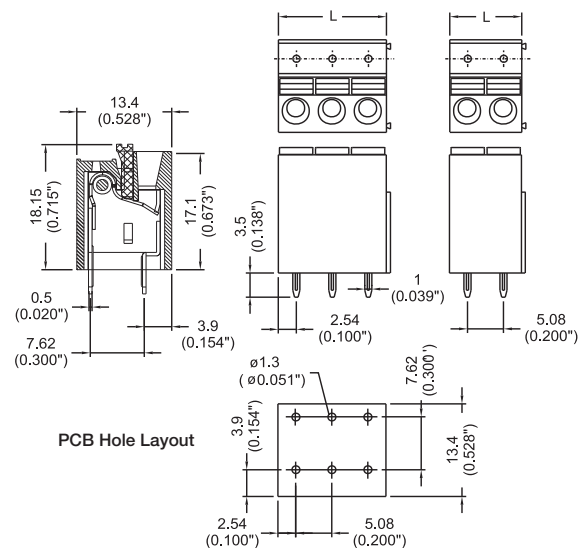
Compliance  
References

**EM2778 Series****Euro-Mag Terminal Blocks**

Screwless, Modular, 5.08 Centers

**SPECIFICATIONS****Rating:** 10A, 250V**Center Spacing:** 0.20" (5.08mm)**Wire Size:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.051" (1.30mm)**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:** cULus File E62622; CE Certified

EM277805

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.16  | 14    | 71.12  |
| 3     | 15.24  | 15    | 76.20  |
| 4     | 20.32  | 16    | 81.28  |
| 5     | 25.40  | 17    | 86.36  |
| 6     | 30.48  | 18    | 91.44  |
| 7     | 35.56  | 19    | 96.52  |
| 8     | 40.64  | 20    | 101.16 |
| 9     | 45.72  | 21    | 106.68 |
| 10    | 50.80  | 22    | 111.76 |
| 11    | 55.88  | 23    | 116.84 |
| 12    | 60.96  | 24    | 121.92 |
| 13    | 66.04  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2778

02 to 24

## EM2795 Series

### Euro-Mag Terminal Blocks

Screwless; 5.08 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.20" (5.08mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

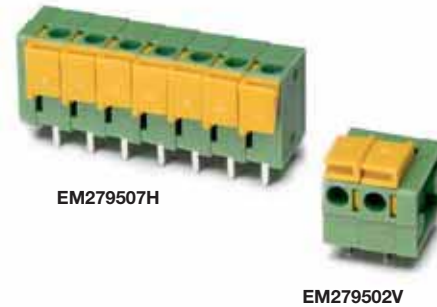
**Contact Material:** Tin-Plated Brass

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.051" (1.30mm)

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified

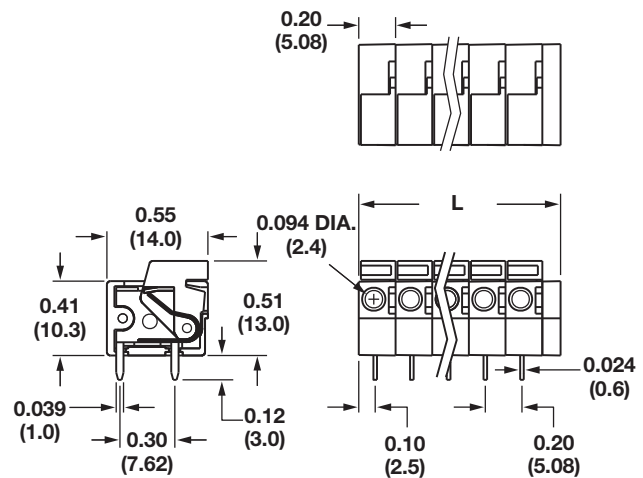


EM279507H

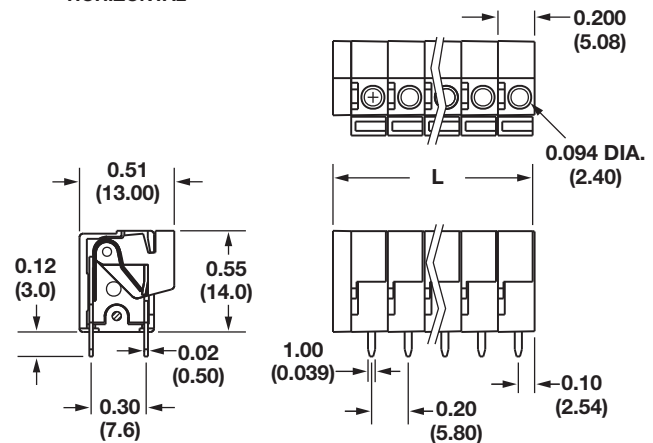
EM279502V

#### Dimensions - mm (in)

##### VERTICAL



##### HORIZONTAL



### Part Numbering System

| Series | # of Positions       | Orientation                    |
|--------|----------------------|--------------------------------|
| EM2795 | <input type="text"/> | <input type="text"/>           |
|        | 02 to 16             | H - horizontal<br>V - vertical |

## EM2796 Series

### Euro-Mag Terminal Blocks

Screwless; 7.62 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.051" (1.30mm)

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



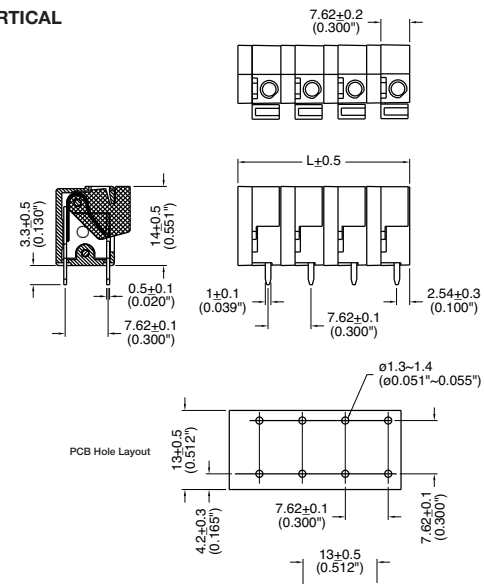
EM279606V



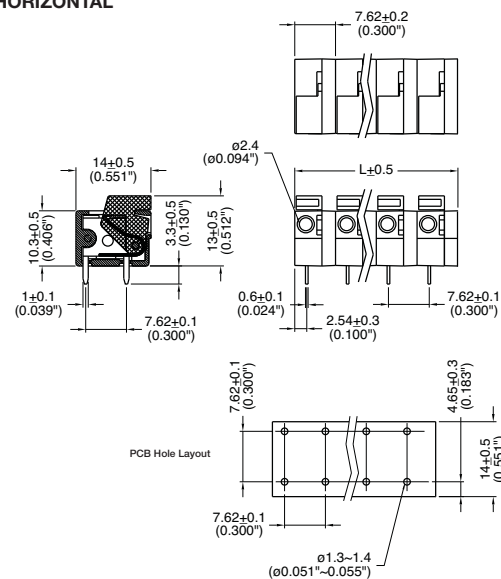
EM279603H

#### Dimensions - mm (in)

##### VERTICAL



##### HORIZONTAL



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 15.24  | 10    | 76.20  |
| 3     | 22.56  | 11    | 83.82  |
| 4     | 30.48  | 12    | 91.44  |
| 5     | 37.19  | 13    | 99.07  |
| 6     | 45.72  | 14    | 106.69 |
| 7     | 53.34  | 15    | 114.31 |
| 8     | 60.96  | 16    | 121.93 |
| 9     | 68.58  |       |        |

To convert to inches, divide by 25.4

## Part Numbering System

Series

EM2796

# of Poles

02 to 16

Orientation

H - horizontal  
V - vertical



## EM2791 Series

### Euro-Mag Terminal Blocks

Screwless; 10.16 Centers

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.40" (10.16mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

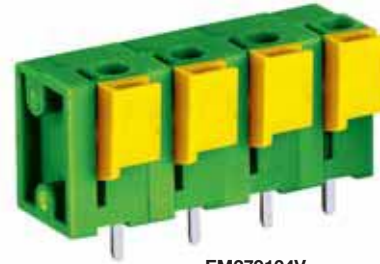
**Contact Material:** Tin-Plated Brass

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.051" (1.30mm)

**Construction:** Mold-to-Length

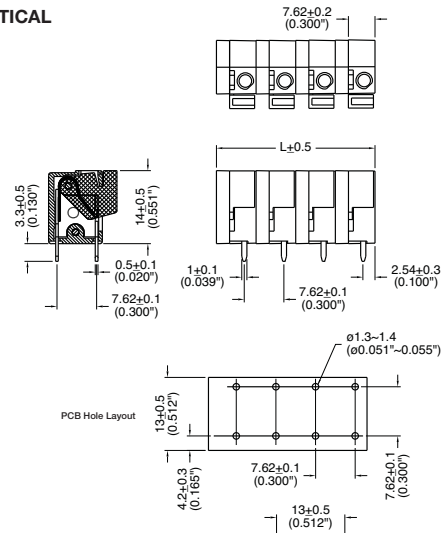
**Agency Information:**  US File E62622; CE Certified



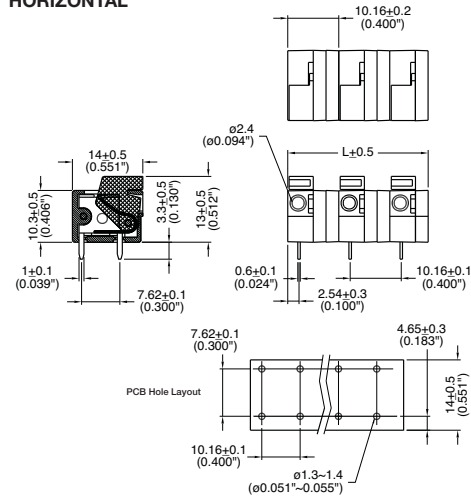
EM279104V

#### Dimensions - mm (in)

##### VERTICAL



##### HORIZONTAL



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 17.78  | 10    | 99.06  |
| 3     | 27.94  | 11    | 109.22 |
| 4     | 38.10  | 12    | 119.38 |
| 5     | 48.26  | 13    | 129.54 |
| 6     | 58.42  | 14    | 139.70 |
| 7     | 68.58  | 15    | 149.86 |
| 8     | 78.74  | 16    | 160.02 |
| 9     | 88.90  |       |        |

To convert to inches, divide by 25.4

### Part Numbering System

Series

EM2791

# of Poles

02 to 16

Orientation

H - horizontal  
V - vertical

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

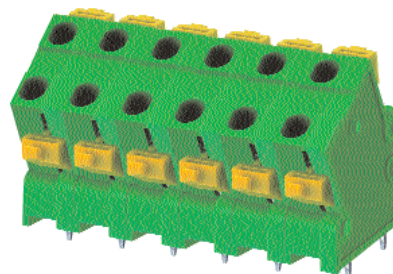
Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**EM2816 Series****Euro-Mag Terminal Blocks**

60° Entry; Screwless; 7.62 Centers

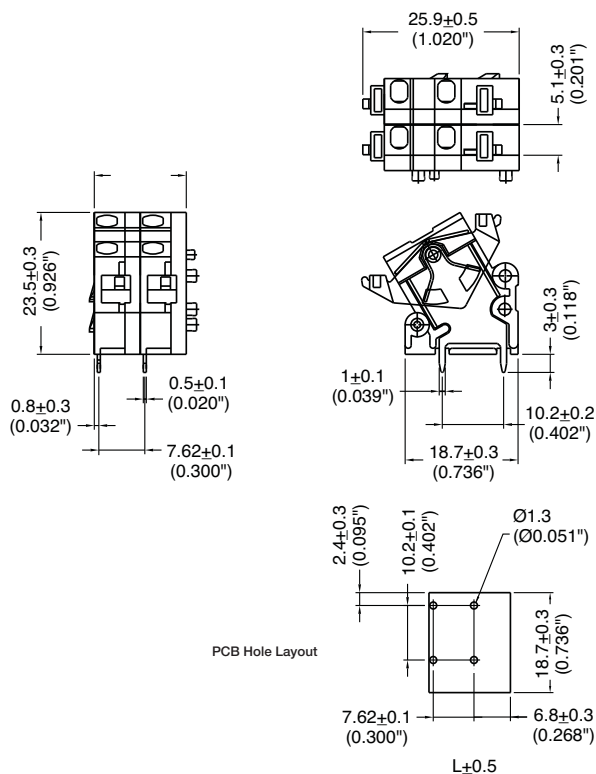
**SPECIFICATIONS****Rating:** 10A, 300V**Center Spacing:** 0.30" (7.62mm)**Wire Range:** #16-22 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Spring Material:** Stainless Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.051" (1.30mm)**Construction:** Mold-to-Length**Agency Information:**  US File E62622; CE Certified

EM281606

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 15.24  |
| 3     | 22.86  |
| 4     | 30.48  |
| 5     | 38.10  |
| 6     | 45.72  |
| 7     | 53.34  |
| 8     | 60.96  |
| 9     | 68.58  |
| 10    | 76.20  |
| 11    | 83.82  |
| 12    | 91.44  |

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**EM2816  

02 to 12

EM3533 Series  
Euro-Mag Terminal Blocks

Pluggable Block (Mates with EM2221 Series);  
3.50 Centers

SPECIFICATIONS

- Rating: 8A, 300V
- Center Spacing: 0.138" (3.50mm)
- Wire Range: #16-26 AWG
- Housing Material: UL rated 94V0 Thermoplastic
- Contact Material: Brass Tin-Plated
- Cage Clamp: Brass, Nickel-Plated
- Screw Size: M2.0 Nickel-Plated Steel
- Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.
- Torque Rating: 2.5 lb-in.
- Construction: Mold-to-Length
- Agency Information:  File E62622; CE Certified

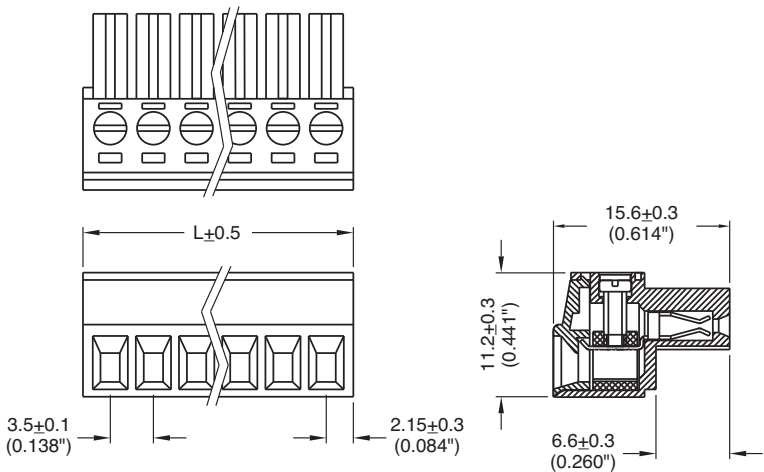


EM353308

| Poles | L (mm) |
|-------|--------|
| 2     | 7.8    |
| 3     | 11.3   |
| 4     | 14.8   |
| 5     | 18.3   |
| 6     | 21.8   |
| 7     | 25.3   |
| 8     | 28.8   |
| 9     | 32.3   |
| 10    | 35.8   |
| 11    | 33.3   |
| 12    | 42.8   |
| 13    | 46.3   |
| 14    | 49.8   |

To convert to inches, divide by 25.4

Dimensions - mm (in)



Part Numbering System

Series # of Poles

EM3533

02 to 14

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**EM2221 Series****Euro-Mag Terminal Blocks**

Closed Header; (Mates with EM3553 Series);  
3.50 Centers

**SPECIFICATIONS**

**Rating:** 8A, 300V

**Center Spacing:** 0.138" (3.50mm)

**Housing Material:** UL rated 94V0 Thermoplastic

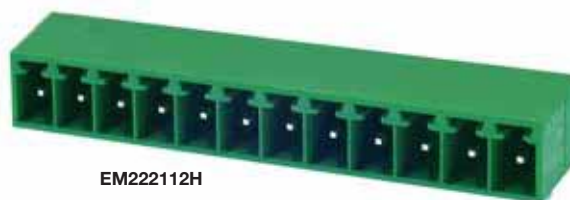
**Contact Material:** Brass Tin-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

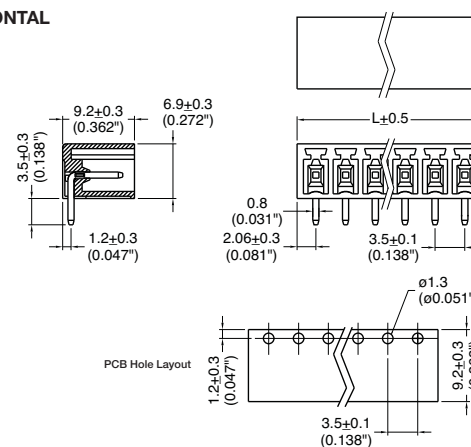
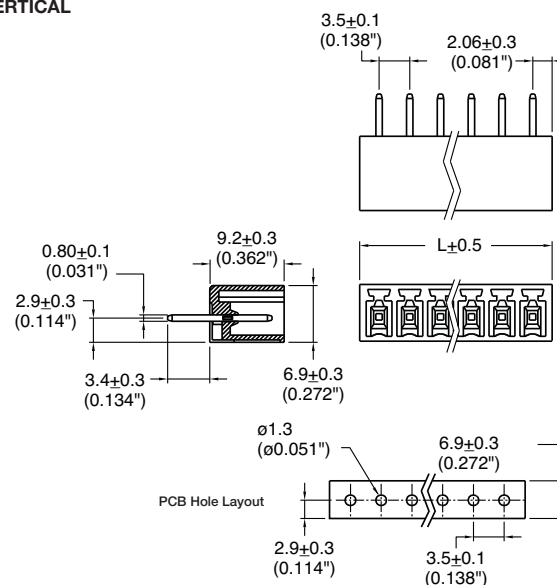
**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified



| Poles | L (mm) |
|-------|--------|
| 2     | 7.6    |
| 3     | 11.1   |
| 4     | 14.6   |
| 5     | 18.1   |
| 6     | 21.6   |
| 7     | 25.1   |
| 8     | 28.6   |
| 9     | 32.1   |
| 10    | 35.6   |
| 11    | 39.1   |
| 12    | 42.6   |
| 13    | 42.1   |
| 14    | 49.6   |

To convert to inches, divide by 25.4

**Dimensions - mm (in)****HORIZONTAL****VERTICAL****Part Numbering System****Series**

EM2221

**# of Poles**

□ □

02 to 14

**Orientation**

□

**H** - horizontal  
**V** - vertical

EM2413 Series  
Euro-Mag Terminal Blocks

Pluggable Block with Flanges (Mates with EM2201 Series); 3.50 Centers

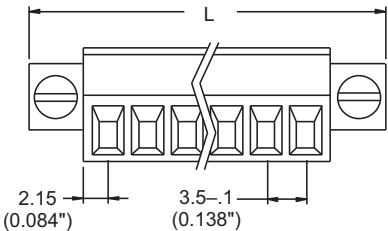
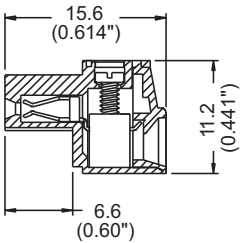
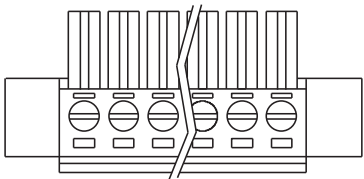
SPECIFICATIONS

- Rating: 8A, 300V
- Center Spacing: 0.138" (3.50mm)
- Wire Range: #16-26 AWG
- Housing Material: UL rated 94V0 Thermoplastic
- Contact Material: Brass Tin-Plated
- Cage Clamp: Brass, Nickel-Plated
- Screw Size: M2.0 Nickel-Plated Steel
- Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.
- Torque Rating: 2.5 lb-in.
- Construction: Mold-to-Length
- Agency Information:  File E62622; CE Certified



EM241307

Dimensions - mm (in)



| Poles | L (mm) |
|-------|--------|
| 2     | 17.4   |
| 3     | 20.9   |
| 4     | 24.4   |
| 5     | 27.9   |
| 6     | 31.4   |
| 7     | 34.9   |
| 8     | 38.4   |
| 9     | 41.9   |
| 10    | 45.4   |
| 11    | 48.9   |
| 12    | 52.4   |

To convert to inches, divide by 25.4

Part Numbering System

Series

EM2413

# of Poles

02 to 12

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**EM2201 Series****Euro-Mag Terminal Blocks**

Header with Flanges (Mates with EM2413 Series); 3.50 Centers

**SPECIFICATIONS**

**Rating:** 8A, 300V

**Center Spacing:** 0.138" (3.50mm)

**Housing Material:** Green Polyamide Type 6/6, 94V0

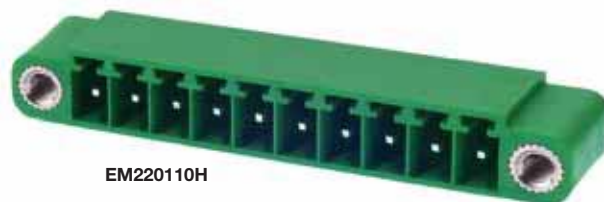
**Contact Material:** Brass Tin-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Mold to Length

**Agency Information:** cULus File E62622; CE Certified



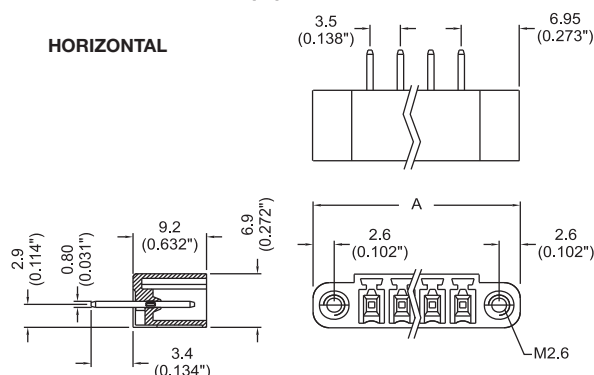
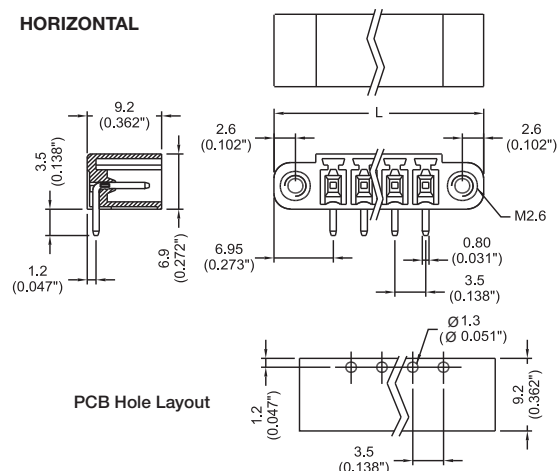
EM220110H



EM220109V

| Poles | L (mm) |
|-------|--------|
| 2     | 17.4   |
| 3     | 20.9   |
| 4     | 24.4   |
| 5     | 27.9   |
| 6     | 31.4   |
| 7     | 34.9   |
| 8     | 38.4   |
| 9     | 41.3   |
| 10    | 45.4   |
| 11    | 48.9   |
| 12    | 52.4   |

To convert to inches, divide by 25.4

**Dimensions - mm (in)****HORIZONTAL****PCB Hole Layout****HORIZONTAL****Part Numbering System****Series**

EM2201

**# of Poles**

02 to 12

**Orientation**H - horizontal  
V - vertical

## EM3553 Series

### Euro-Mag Terminal Blocks

(Mates with EM3593 Series);  
3.81 Centers

#### SPECIFICATIONS

**Rating:** 8A, 300V

**Center Spacing:** 0.15" (3.81mm)

Consult factory for 0.30" (7.62mm)

**Wire Range:** #18-20 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M2x3 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 3.0 lb-in.

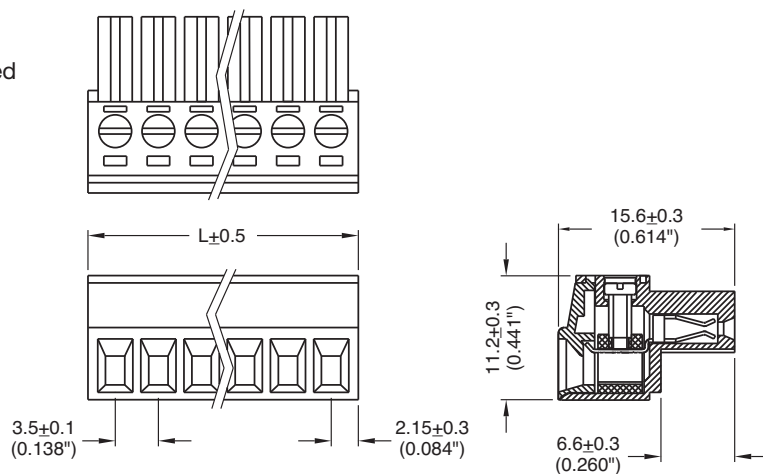
**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



EM355308

#### Dimensions - mm (in)



To convert to inches, divide by 25.4

| Position | L (mm) |
|----------|--------|
| 02       | 7.90   |
| 03       | 11.71  |
| 04       | 15.52  |
| 05       | 19.33  |
| 06       | 23.14  |
| 07       | 26.95  |
| 08       | 30.76  |
| 09       | 34.57  |
| 10       | 38.38  |
| 11       | 42.19  |
| 12       | 46.00  |

## Part Numbering System

Series

# of Positions

EM3553

□ □

02 to 12

Mating Header: EM3593 pg. 90



**EM3543 Series****Euro-Mag Terminal Blocks**

Pluggable Block (Mates with EM3593 Series);  
3.81 Centers

**SPECIFICATIONS**

**Rating:** 8A, 300V

**Center Spacing:** 0.15" (3.81mm)

Consult factory for 0.30" (7.62mm)

**Wire Range:** #16-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.0 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C  
(-40°F) min.

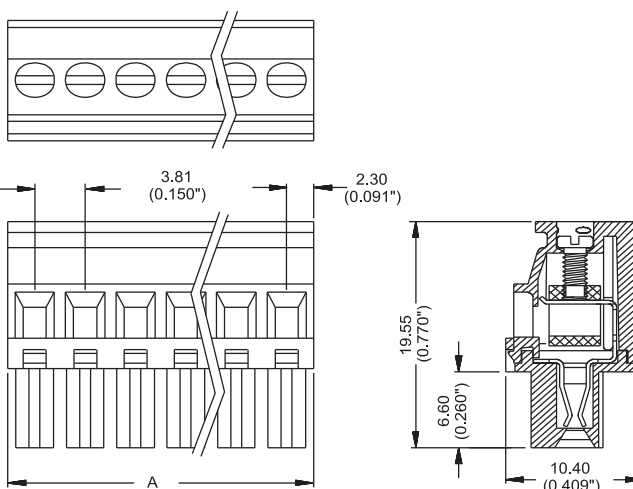
**Torque Rating:** 2.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified



EM354309

**Dimensions - mm (in)**

To convert to inches, divide by 25.4

| Poles | L (mm) |
|-------|--------|
| 2     | 8.41   |
| 3     | 12.22  |
| 4     | 16.03  |
| 5     | 19.84  |
| 6     | 23.65  |
| 7     | 27.46  |
| 8     | 31.27  |
| 9     | 35.08  |
| 10    | 38.89  |
| 11    | 42.70  |
| 12    | 46.51  |

**Part Numbering System**

Series

# of Poles

EM3543

□ □

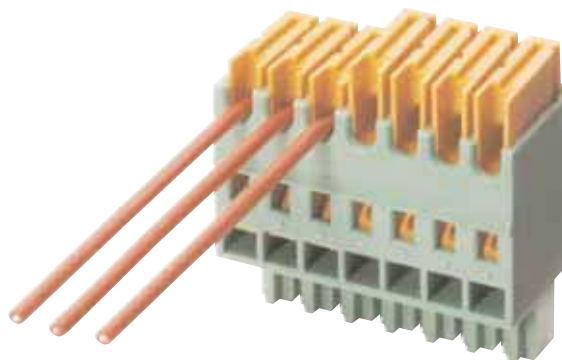
02 to 12

Mating Header: EM3593 pg. 90

**Series EM3583****Euro-Mag Terminal Blocks**

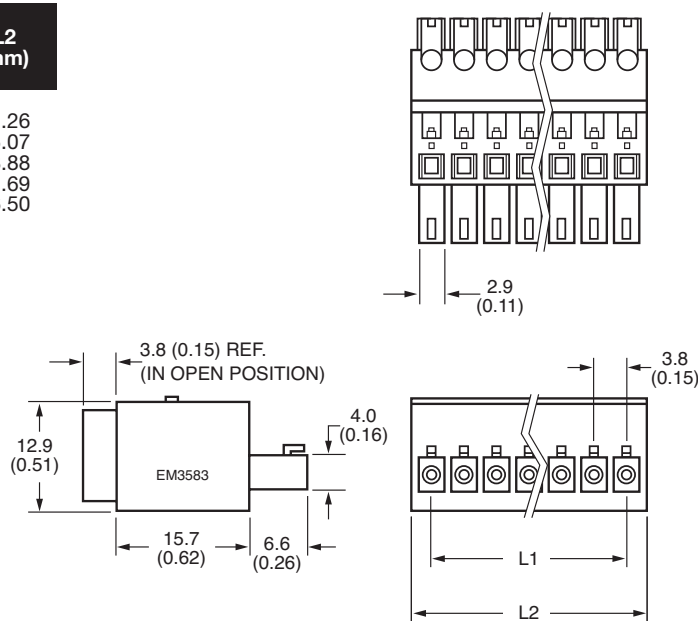
IDC Pluggable Block

(Mates with EM3593 Series); 3.81 Centers

**SPECIFICATIONS****Ratings:** 6A, 160V**Center Spacing:** 0.15" (3.81mm)**Wire Range:** #22-20 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Brass, Tin-Plated**Operating Temperature:** 105°C (221°F) max., -49°C (-40°F) min.**Construction:** Mold-to-length.**Agency Information:**  File E62622; CE Certified

EM358307

| Poles | L1<br>(mm) | L2<br>(mm) | Poles | L1<br>(mm) | L2<br>(mm) |
|-------|------------|------------|-------|------------|------------|
| 02    | 3.81       | 8.40       | 08    | 26.67      | 31.26      |
| 03    | 7.62       | 12.21      | 09    | 30.48      | 35.07      |
| 04    | 11.43      | 16.02      | 10    | 34.29      | 38.88      |
| 05    | 15.24      | 19.83      | 11    | 38.10      | 42.69      |
| 06    | 19.05      | 23.64      | 12    | 41.91      | 46.50      |
| 07    | 22.86      | 27.45      |       |            |            |

**Dimensions - mm (in)****Part Numbering System**

Inches (Millimeters)

**Series****EM3583****# of Positions****02 to 12****Mating Header:** EM3593 pg. 90

## Series EM3593

## Euro-Mag Terminal Blocks

Header (Mates with EM3553 Series); 3.81 Centers

## SPECIFICATIONS

Ratings: 6A, 160V

Center Spacing: 0.15" (3.81mm)

Housing Material: UL rated 94V0 Thermoplastic

Contact Material: Brass, Tin-Plated

Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.

Recommended PCB Hole Diameters: 0.51" (1.30mm)

Construction: Mold-to-length.

Agency Information:  File E62622; CE Certified

EM359312HC



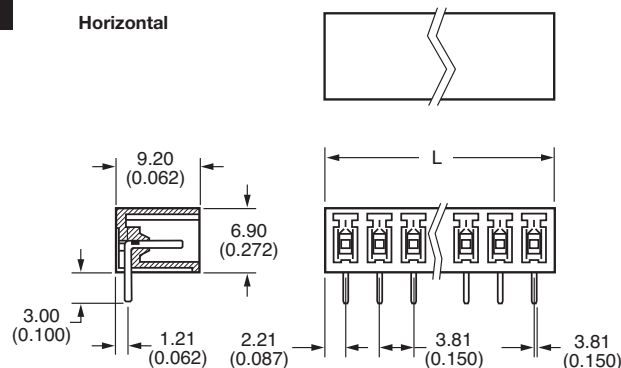
EM359308VC

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 02    |        | 08    | 31.09  |
| 03    | 8.23   | 09    | 34.90  |
| 04    | 12.04  | 10    | 38.71  |
| 05    | 15.85  | 11    | 42.52  |
| 06    | 19.66  | 12    | 46.33  |
| 07    | 23.47  |       |        |
|       | 27.28  |       |        |

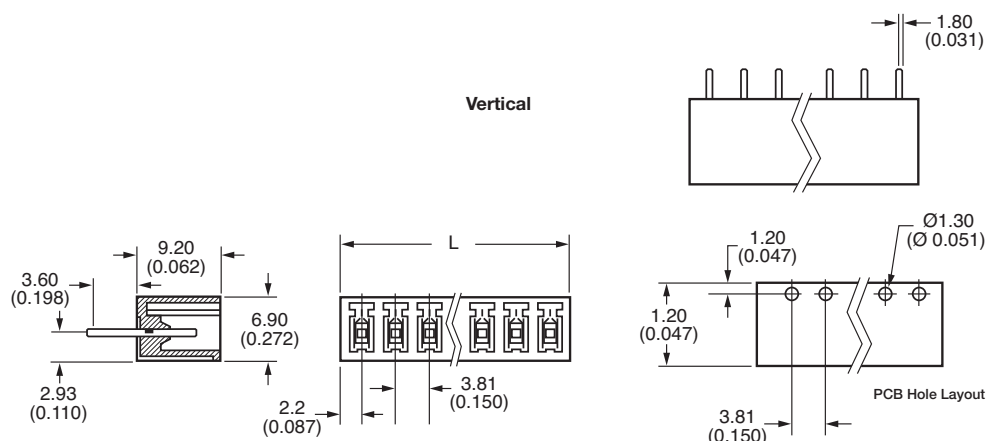
\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Dimensions - mm (in)

## Horizontal



## Vertical



## Part Numbering System

Inches (Millimeters)

## Series

EM3593

## # of Positions

02 to 12

## Orientation

H - Horizontal  
V - Vertical

## Side Base

C - Closed

Mating Plugs: EM3553 pg. 87  
EM3543 pg. 88  
EM3583 pg. 89

**EM2423 Series****Euro-Mag Terminal Blocks**

Pluggable Block with Flanges (Mates with EM2211 Series); 3.81 Centers

**SPECIFICATIONS**

**Rating:** 8A, 300V

**Center Spacing:** 0.15" (3.81mm)

**Wire Range:** #16-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.0 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

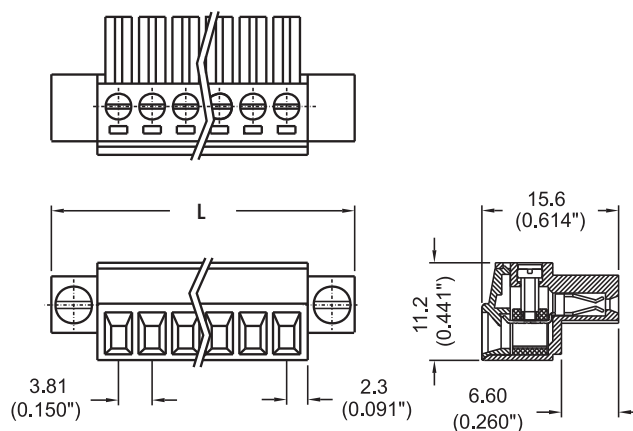
**Torque Rating:** 2.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



EM242307

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 17.91  |
| 3     | 21.72  |
| 4     | 25.53  |
| 5     | 29.34  |
| 6     | 33.15  |
| 7     | 36.96  |
| 8     | 40.77  |
| 9     | 44.58  |
| 10    | 48.39  |
| 11    | 52.20  |
| 12    | 56.01  |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2423

02 12

02 to 12

Mating Header: EM2211 pg. 93

**EM2443 Series****Euro-Mag Terminal Blocks**

Pluggable Block with Flanges (Mates with EM2211 Series); 3.81 Centers

**SPECIFICATIONS**

**Rating:** 10A, 300V

**Center Spacing:** 0.15" (3.81mm)  
Consult factory for 0.30" (7.62mm)

**Wire Range:** #16-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.0 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

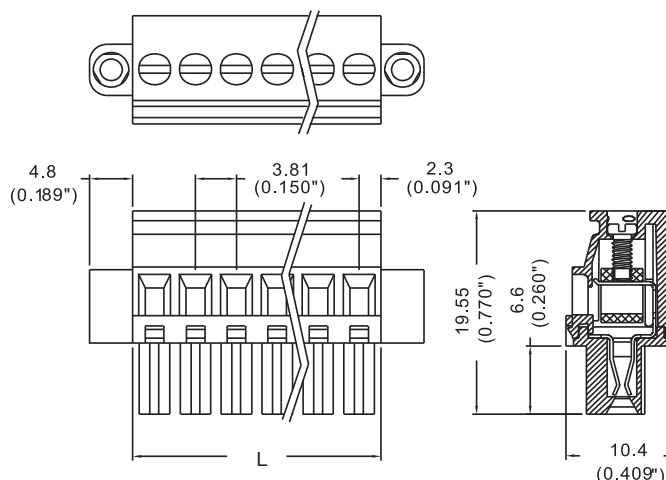
**Torque Rating:** 2.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified



EM2443

**Dimensions - mm (in)**

To convert to inches, divide by 25.4

| Poles | L (mm) |
|-------|--------|
| 2     | 7.90   |
| 3     | 11.71  |
| 4     | 15.52  |
| 5     | 19.33  |
| 6     | 23.14  |
| 7     | 26.95  |
| 8     | 30.76  |
| 9     | 34.57  |
| 10    | 38.38  |
| 11    | 42.19  |
| 12    | 46.00  |

**Part Numbering System**

Series

# of Poles

EM2443

□□

02 to 12

Mating Header: EM2211 pg. 93

**EM2211 Series****Euro-Mag Terminal Blocks**

Header with Flanges (Mates with EM2423,  
EM2443 Series); 3.81 Centers

**SPECIFICATIONS**

**Rating:** 8A, 300V

**Center Spacing:** 0.15" (3.81mm)

Consult factory for 0.30" (7.62mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C  
(-40°F) min.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

**Construction:** Mold to Length

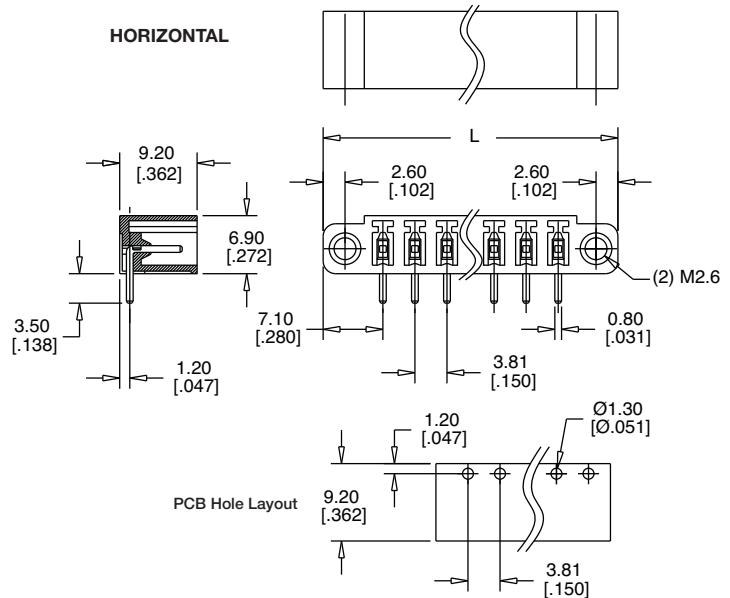
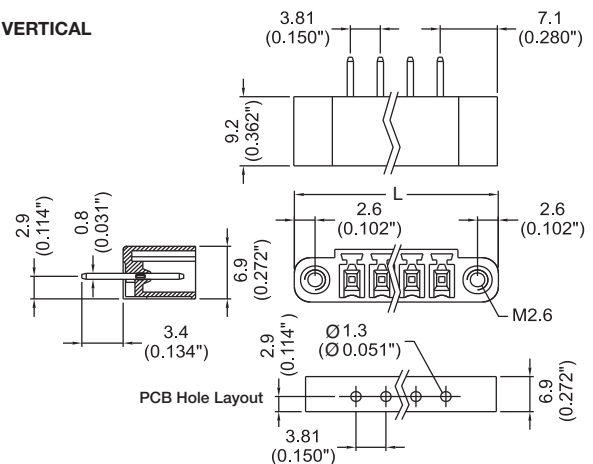
**Agency Information:** eUS File E62622; CE Certified



EM221106H



EM221109V

**Dimensions - mm (in)****HORIZONTAL****VERTICAL****Poles****L (mm)**

|    |       |
|----|-------|
| 2  | 18.02 |
| 3  | 21.83 |
| 4  | 25.64 |
| 5  | 29.45 |
| 6  | 33.26 |
| 7  | 37.07 |
| 8  | 40.88 |
| 9  | 44.69 |
| 10 | 48.50 |
| 11 | 52.31 |
| 12 | 56.12 |
| 14 | 63.74 |

To convert to inches, divide by 25.4

**Part Numbering System****Series**

EM2211

**# of Poles**

02 to 14

**Orientation**H - horizontal  
V - vertical

**Mating Plugs:** EM2423 pg. 91  
EM2443 pg. 92

**EM2525 Series****Euro-Mag Terminal Blocks**

Pluggable Block (Mates with EM2535 Series); 5.00 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.394" (10.00mm)

**Wire Range:** #12-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M3x5 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 7 lb-in.

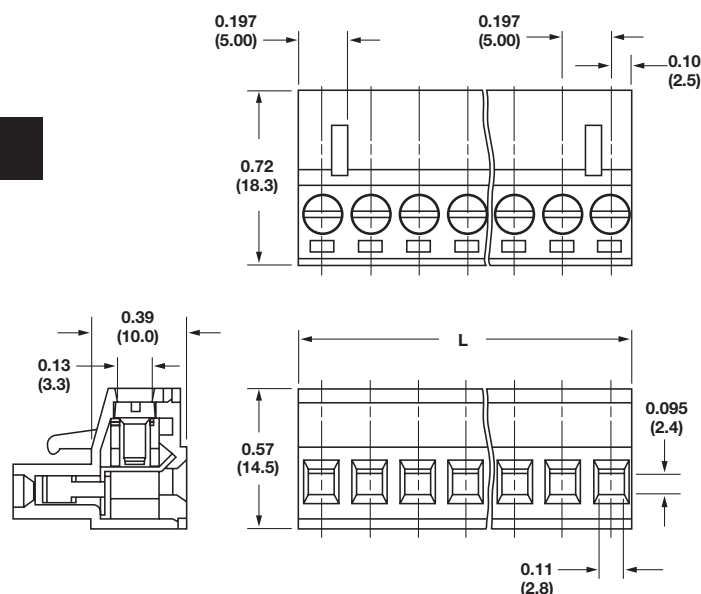
**Construction:** Mold-to-Length

**Connector Style:** Rising Cage Clamp

**Agency Information:**  File E62622; CE Certified



EM252503

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 02    | 10.0   | 14    | 70.0   |
| 03    | 15.0   | 15    | 75.0   |
| 04    | 20.0   | 16    | 80.0   |
| 05    | 25.0   | 17    | 85.0   |
| 06    | 30.0   | 18    | 90.0   |
| 07    | 35.0   | 19    | 95.0   |
| 08    | 40.0   | 20    | 100.0  |
| 09    | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Positions

EM2525

02 to 24

Mating Header: EM2535 pg. 97



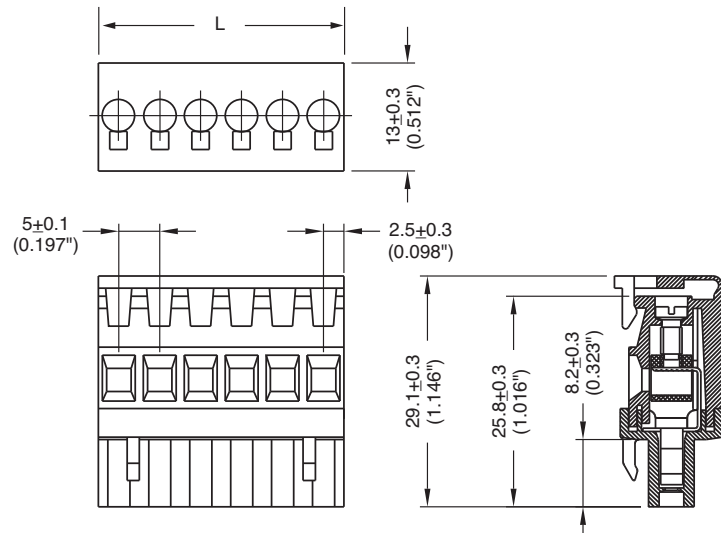
**EM2485 Series****Euro-Mag Terminal Blocks**

Pluggable Block with Cover

(Mates with EM2535 Series); 5.00 Centers

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.197" (5.00mm)**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin-Plated Phos Bronze**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 4.5 lb-in.**Construction:** Mold-to-Length**Agency Information:**  File E62622; CE Certified

EM248506

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 10.0   |
| 3     | 15.0   |
| 4     | 20.0   |
| 5     | 25.0   |
| 6     | 30.0   |
| 7     | 35.0   |
| 8     | 40.0   |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2485

□ □

02 - 08

Mating Header: EM2535 pg. 97

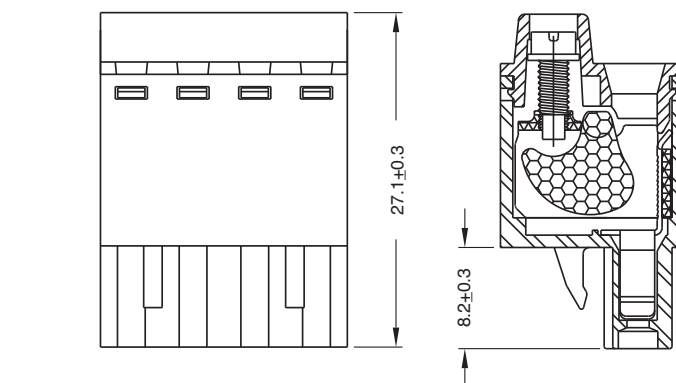
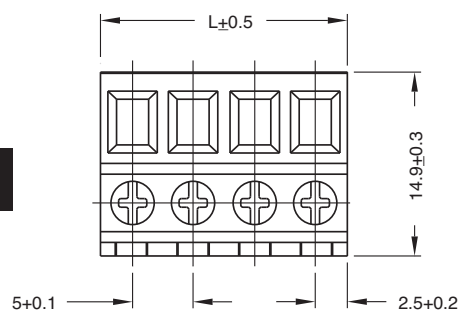
**EM3105 Series****Euro-Mag Terminal Blocks**

Pluggable Block; Top Entry

(Mates with EM2535 Series); 5.00 Centers

**SPECIFICATIONS****Rating:** 16A, 300V**Center Spacing:** 0.197" (5.00mm)**Wire Range:** #14-24 AWG**Housing Material:** UL rated 94V0 Thermoplastic**Contact Material:** Tin-Plated Phos Bronze**Cage Clamp:** Brass, Nickel-Plated**Screw Size:** M2.6 Nickel-Plated Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 4.5 lb-in.**Construction:** Mold-to-Length**Agency Information:** eULus File E62622; CE Certified

EM310508

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 8     | 40.0   |
| 3     | 15.0   | 9     | 45.0   |
| 4     | 20.0   | 10    | 50.0   |
| 5     | 25.0   | 11    | 55.0   |
| 6     | 30.0   | 12    | 60.0   |
| 7     | 35.0   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3105

□□

02 to 12

**Mating Plugs:** EM2525 pg. 94  
EM2485 pg. 95  
EM3105 pg. 96

**EM2535 Series****Euro-Mag Terminal Blocks**

Header (Mates with EM2525, EM2485 & EM3105 Series); 5.00 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

Consult factory for 0.394" (10.00mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

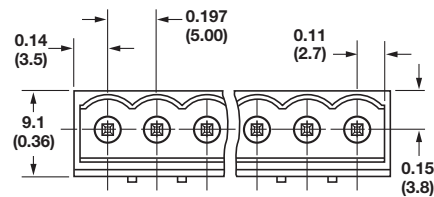
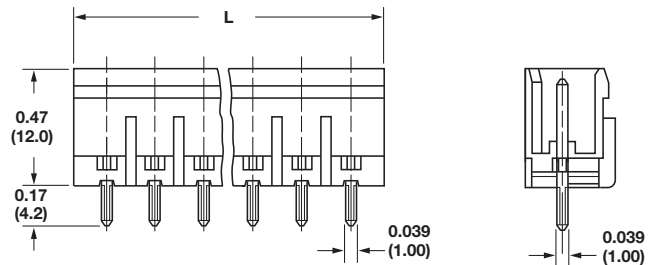
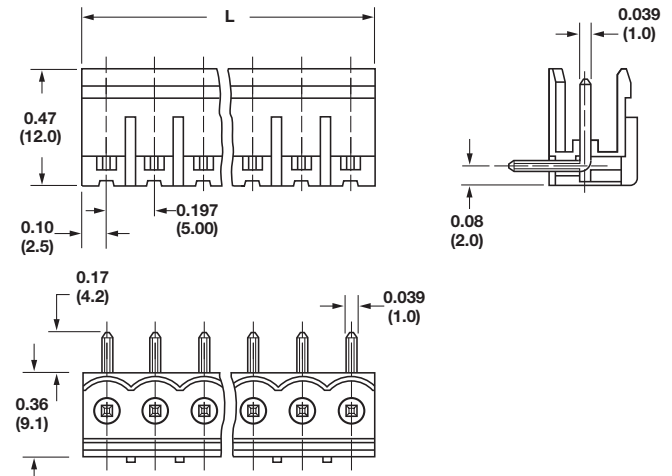
**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified



EM253505VC

EM253508HO

**Dimensions - mm (in)****VERTICAL - CLOSED****HORIZONTAL - OPEN**

| Position | Open L (mm) | Closed L (mm) | Position | Open L (mm) | Closed L (mm) |
|----------|-------------|---------------|----------|-------------|---------------|
| 02       | 10.0        | 12.0          | 14       | 70.0        | 72.0          |
| 03       | 15.0        | 17.0          | 15       | 75.0        | 77.0          |
| 04       | 20.0        | 22.0          | 16       | 80.0        | 82.0          |
| 05       | 25.0        | 27.0          | 17       | 85.0        | 87.0          |
| 06       | 30.0        | 32.0          | 18       | 90.0        | 92.0          |
| 07       | 35.0        | 37.0          | 19       | 95.0        | 97.0          |
| 08       | 40.0        | 42.0          | 20       | 100.0       | 102.0         |
| 09       | 45.0        | 47.0          | 21       | 105.0       | 107.0         |
| 10       | 50.0        | 52.0          | 22       | 110.0       | 112.0         |
| 11       | 55.0        | 57.0          | 23       | 115.0       | 117.0         |
| 12       | 60.0        | 62.0          | 24       | 120.0       | 122.0         |
| 13       | 65.0        | 67.0          |          |             |               |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

EM2535

# of Positions

02 to 24

Orientations

H - horizontal  
V - vertical

Side Base

O - open  
C - closed

Mating Plugs: EM2525 pg. 94  
EM2485 pg. 95  
EM3105 pg. 96

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided Boards

Compliance

**EM2565 Series****Euro-Mag Terminal Blocks**

Pluggable Block (Mates with EM2575 Series); 5.08 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.20" (5.08mm)

Consult factory for 0.40" (10.16mm)

**Wire Range:** #12-26 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Screw Size:** M3x5 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

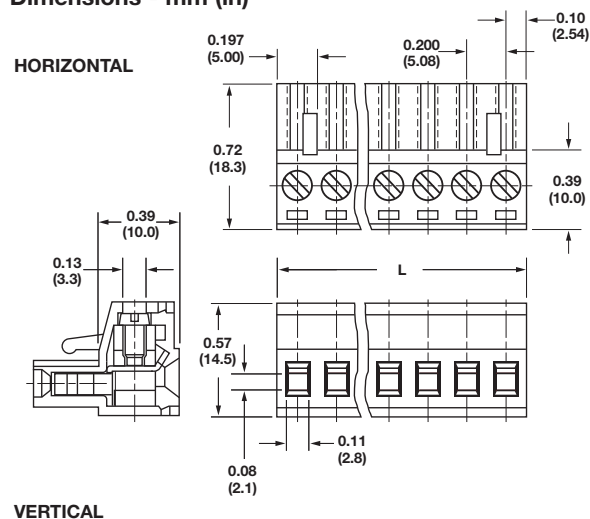
**Torque Rating:** 7 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified

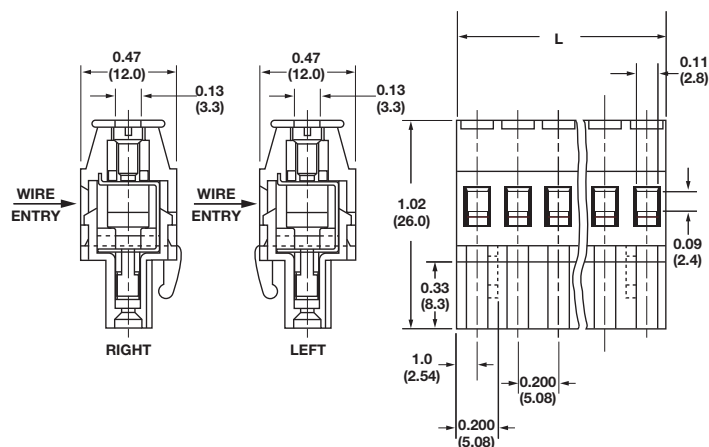


EM25603VR

**Dimensions - mm (in)**

To convert to inches, divide by 25.4

| Position | L (mm) | Position | L (mm) |
|----------|--------|----------|--------|
| 02       | 10.16  | 14       | 71.12  |
| 03       | 15.24  | 15       | 76.20  |
| 04       | 20.32  | 16       | 81.28  |
| 05       | 25.40  | 17       | 86.36  |
| 06       | 30.48  | 18       | 91.44  |
| 07       | 35.56  | 19       | 96.52  |
| 08       | 40.64  | 20       | 101.60 |
| 09       | 45.72  | 21       | 106.68 |
| 10       | 50.80  | 22       | 111.76 |
| 11       | 55.88  | 23       | 116.84 |
| 12       | 60.96  | 24       | 121.92 |
| 13       | 66.04  |          |        |

**Part Numbering System**

| Series        | # of Positions       | Orientation                    | Wire Entry<br>(Vertical Orientation Only) | Mating Header: EM2575 pg. 101 |
|---------------|----------------------|--------------------------------|-------------------------------------------|-------------------------------|
| <b>EM2565</b> | <input type="text"/> | <input type="text"/>           | <input type="text"/>                      |                               |
|               | 02 to 24             | H - horizontal<br>V - vertical | L - left<br>R - right                     |                               |

**EM2488 Series****Euro-Mag Terminal Blocks**

Pluggable Block (Mates with EM2575 Series); 5.08 Centers with Cover

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.20" (5.08mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

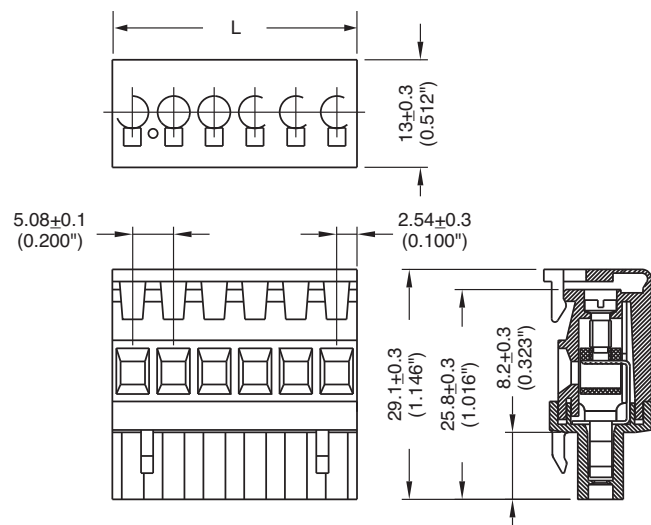
**Torque Rating:** 4.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  US File E62622; CE Certified



EM248806

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 10.16  |
| 3     | 15.24  |
| 4     | 20.32  |
| 5     | 25.40  |
| 6     | 30.48  |
| 7     | 35.56  |
| 8     | 40.64  |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM2488

□□

02 to 08

Mating Header: EM2575 pg. 101

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM3108 Series****Euro-Mag Terminal Blocks**

Pluggable Block; Front Entry (Mates with EM2575 Series); 5.08 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.20" (5.08mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

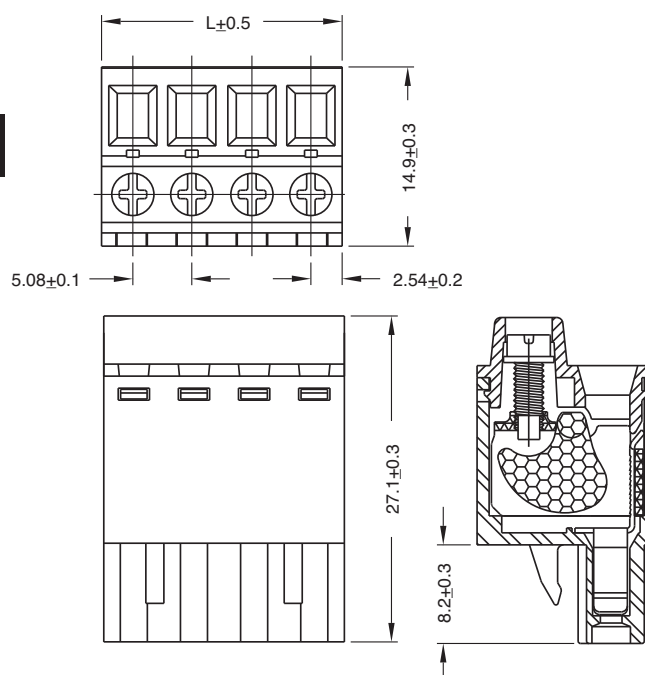
**Torque Rating:** 4.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



EM310808

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.16  | 14    | 71.12  |
| 3     | 15.24  | 15    | 76.20  |
| 4     | 20.32  | 16    | 81.28  |
| 5     | 25.40  | 17    | 86.36  |
| 6     | 30.48  | 18    | 91.44  |
| 7     | 35.45  | 19    | 96.52  |
| 8     | 40.64  | 20    | 101.60 |
| 9     | 45.72  | 21    | 106.68 |
| 10    | 50.80  | 22    | 111.76 |
| 11    | 55.88  | 23    | 116.84 |
| 12    | 60.96  | 24    | 121.92 |
| 13    | 66.04  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3108

02 to 24

Mating Header: EM2575 pg. 101





**Series EM2115 Series**

Pluggable Terminal Block with Flanges;  
(Mates with EM2215 Series); 5.00 Centers

**SPECIFICATIONS:**

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Phosphor Bronze

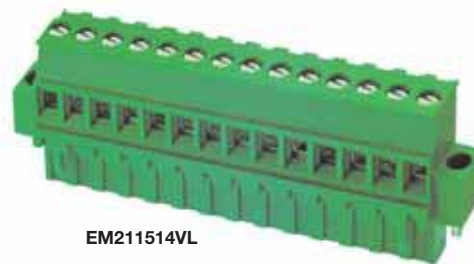
**Screw Size:** M2x6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -55°C (-67°F) min.

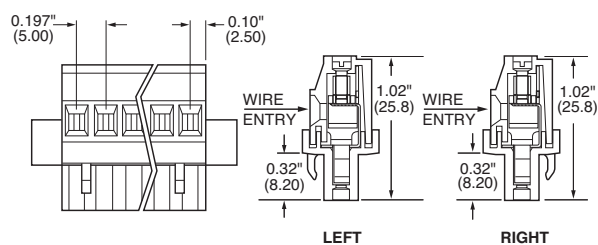
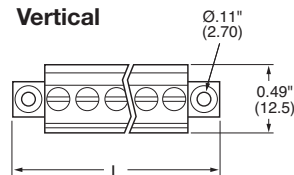
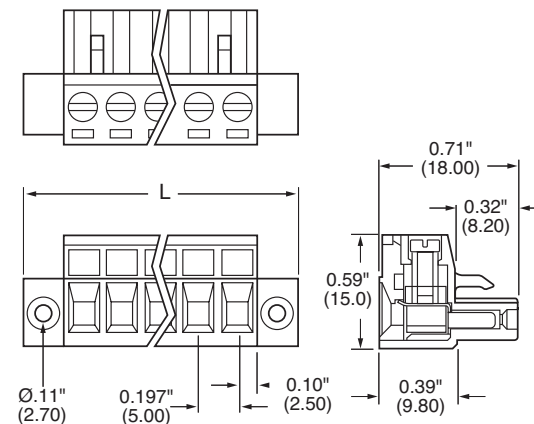
**Torque Rating:** 4.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  US File E62622; CE Certified



EM211514VL

**Dimensions - mm (in)****Vertical****Horizontal****Part Numbering System**

Inches (Millimeters)

**Series**

EM2115

**# of Poles**

02 to 22

**Orientation**V - Vertical  
H - Horizontal**Wire Entry**L - Left wire entry  
R - Right wire entry  
(specify for V orientation)**Mating Header:** EM2215 pg. 104

EM3115 Series  
Euro-Mag Terminal Blocks

Pluggable Block; Top Entry (Mates with EM2215 Series); 5.00 Centers

SPECIFICATIONS

Rating: 16A, 300V

Center Spacing: 0.197" (5.00mm)

Wire Range: #14-24 AWG

Housing Material: UL rated 94V0 Thermoplastic

Contact Material: Brass Tin-Plated

Cage Clamp: Brass, Nickel-Plated

Screw Size: M2.6 Nickel-Plated Steel

Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.

Torque Rating: 4.5 lb-in.

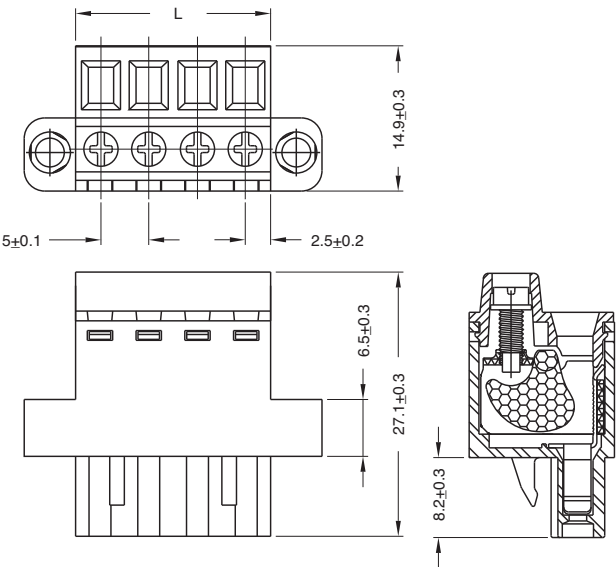
Construction: Mold-to-Length

Agency Information:  File E62622; CE Certified



EM311503

Dimensions - mm (in)



| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 20.0   | 14    | 80.0   |
| 3     | 25.0   | 15    | 85.0   |
| 4     | 30.0   | 16    | 90.0   |
| 5     | 35.0   | 17    | 95.0   |
| 6     | 40.0   | 18    | 100.0  |
| 7     | 45.0   | 19    | 105.0  |
| 8     | 50.0   | 20    | 110.0  |
| 9     | 55.0   | 21    | 115.0  |
| 10    | 60.0   | 22    | 120.0  |
| 11    | 65.0   | 23    | 125.0  |
| 12    | 70.0   | 24    | 130.0  |
| 13    | 75.0   |       |        |

To convert to inches, divide by 25.4

Part Numbering System

Series

# of Poles

EM3115

□□

02 to 22

Mating Header: EM2215 pg. 104

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**Series EM2215**

Header with Flanges; (Mates with EM2115, EM3115 Series); 5.00 Centers

**SPECIFICATIONS:**

**Rating:** 16A, 300V

**Center Spacing:** 0.197" (5.00mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

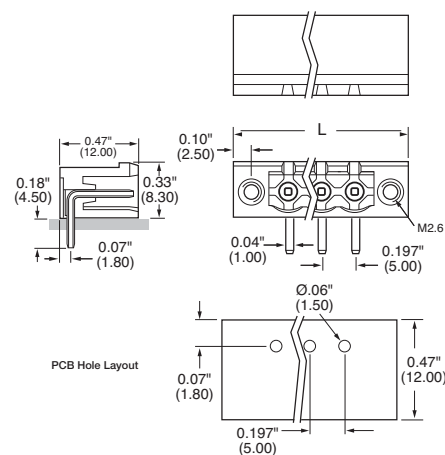
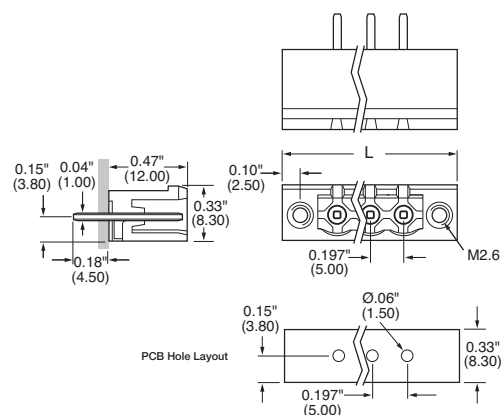
**Operating Temperature:** 105°C (221°F) max., -55°C (-67°F) min.

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



EM221503V

**Dimensions - mm (in)****Horizontal****Vertical****Part Numbering System**

Inches (Millimeters)

**Series****EM2215****# of Poles****02 to 22****Orientation****H - Horizontal****V - Vertical**

**Mating Plugs:** EM2115 pg. 102  
EM3115 pg. 103

**Series EM2118 Series**

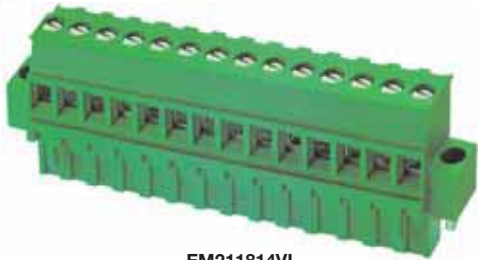
Pluggable Terminal Block with Flanges;  
(Mates with EM2218 Series); 5.08 Centers

**SPECIFICATIONS:**  
**Rating:** 16A, 300V  
**Center Spacing:** 0.20" (5.08mm)  
**Wire Range:** #14-24 AWG  
**Housing Material:** UL rated 94V0 Thermoplastic  
**Contact Material:** Tin-Plated Phosphor Bronze  
**Screw Size:** M 3x0 Nickel-Plated Steel  
**Operating Temperature:** 105°C (221°F) max., -55°C (-67°F) min.  
**Torque Rating:** 4.5 lb-in.  
**Construction:** Mold-to-Length  
**Agency Information:** cULus File E62622; CE Certified

| Poles | A (mm) | A (Inch) | Poles | A (mm) | A (Inch) |
|-------|--------|----------|-------|--------|----------|
| 2     | 20.32  | 0.8      | 13    | 76.20  | 3.0      |
| 3     | 25.40  | 1.0      | 14    | 81.28  | 3.2      |
| 4     | 30.48  | 1.2      | 15    | 86.36  | 3.4      |
| 5     | 35.56  | 1.4      | 16    | 91.44  | 3.6      |
| 6     | 40.64  | 1.6      | 17    | 96.52  | 3.8      |
| 7     | 45.72  | 1.8      | 18    | 101.60 | 4.0      |
| 8     | 50.80  | 2.0      | 19    | 106.68 | 4.2      |
| 9     | 55.88  | 2.2      | 20    | 111.76 | 4.4      |
| 10    | 60.96  | 2.4      | 21    | 116.84 | 4.6      |
| 11    | 66.04  | 2.6      | 22    | 121.92 | 4.8      |
| 12    | 71.12  | 2.8      |       |        |          |

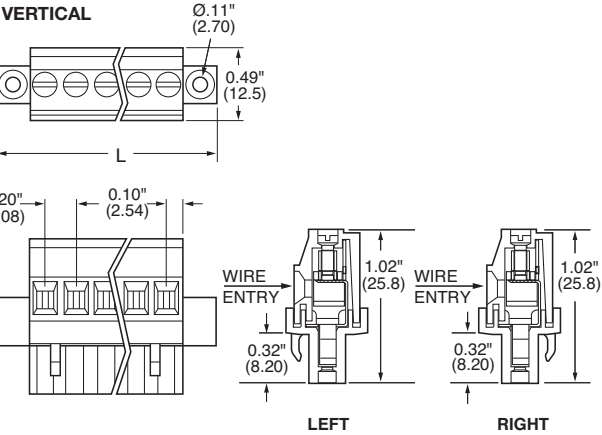


EM211803H



EM211814VL

**Dimensions - mm (in)**



**Part Numbering System**

Inches (Millimeters)

Series

EM2118

# of Positions

02 to 22

Orientation

V - Vertical  
H - Horizontal

Mating Header: EM2218 pg. 107

**EM3118 Series****Euro-Mag Terminal Blocks**

Pluggable Block, Top Entry (Mates with EM2218 Series); 5.08 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.20" (5.08mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M2.6 Nickel-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

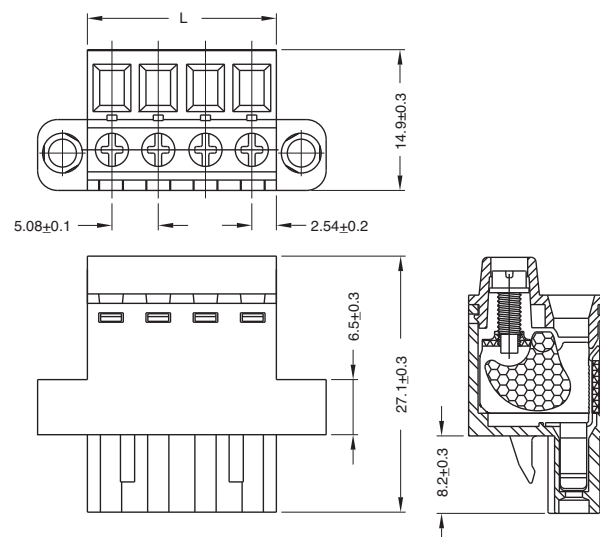
**Torque Rating:** 4.5 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  US File E62622; CE Certified



EM311803

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 20.32  | 13    | 76.20  |
| 3     | 25.40  | 14    | 81.28  |
| 4     | 30.48  | 15    | 86.36  |
| 5     | 35.45  | 16    | 91.44  |
| 6     | 40.64  | 17    | 96.52  |
| 7     | 45.72  | 18    | 101.60 |
| 8     | 50.80  | 19    | 106.68 |
| 9     | 55.88  | 20    | 111.76 |
| 10    | 60.96  | 21    | 116.84 |
| 11    | 66.04  | 22    | 121.92 |
| 12    | 71.12  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM3118

02 to 22

Mating Header: EM2218 pg. 107

**Series EM2218**

Header with Flanges; (Mates with EM2118, EM3118 Series); 5.08 Centers

**SPECIFICATIONS:**

**Rating:** 12A, 300V

**Center Spacing:** 0.20" (5.08mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Operating Temperature:** 105°C (221°F) max., -55°C (-67°F) min.

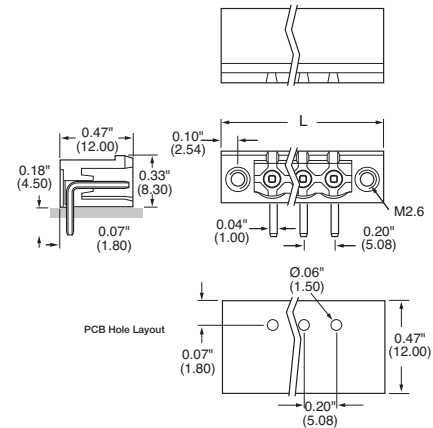
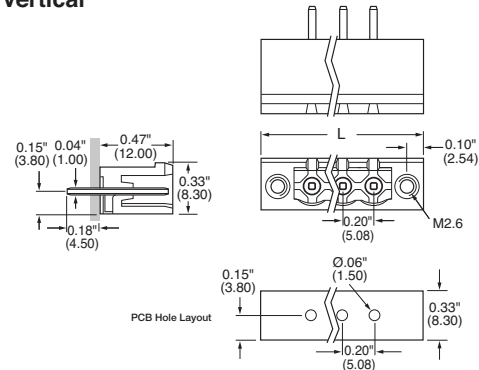
**Recommended PCB Hole Diameters:** 0.059" (1.50mm)

**Construction:** Mold-to-Length

**Agency Information:** cULus File E62622; CE Certified

EM221804H

EM221804V

**Dimensions - mm (in)****Horizontal****Vertical****Part Numbering System**

Inches (Millimeters)

**Series****EM2218****# of Poles****02 to 22****Orientation****H - Horizontal****V - Vertical**

**Mating Plugs:** EM2118 pg. 105  
EM3118 pg. 106

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM3516 Series****Euro-Mag Terminal Blocks**

Pluggable Block (Mates with EM3526 Series);  
7.62 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M3.0 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

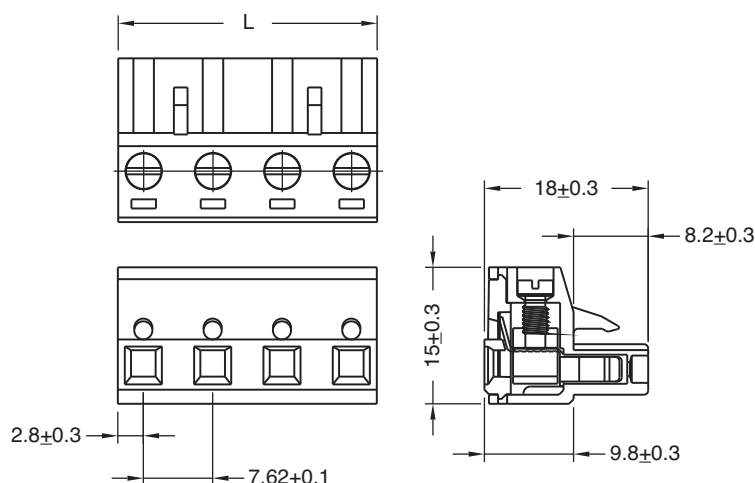
**Torque Rating:** 5.0 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified



EM351603

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 8.41   |
| 3     | 12.22  |
| 4     | 16.03  |
| 5     | 19.84  |
| 6     | 23.65  |
| 7     | 27.46  |
| 8     | 31.27  |
| 9     | 35.08  |
| 10    | 38.89  |
| 11    | 42.70  |
| 12    | 46.51  |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

Mating Header: EM3526 pg. 109

|   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|--|--|
| E | M | 3 | 5 | 1 | 6 |  |  |
|---|---|---|---|---|---|--|--|

02 to 12



**EM3526 Series****Euro-Mag Terminal Blocks**

Closed and Open Header (Mates with EM3516 Series); 7.62 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Brass Tin-Plated

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Recommended PCB Hole Diameters:** 0.055" (1.40mm)

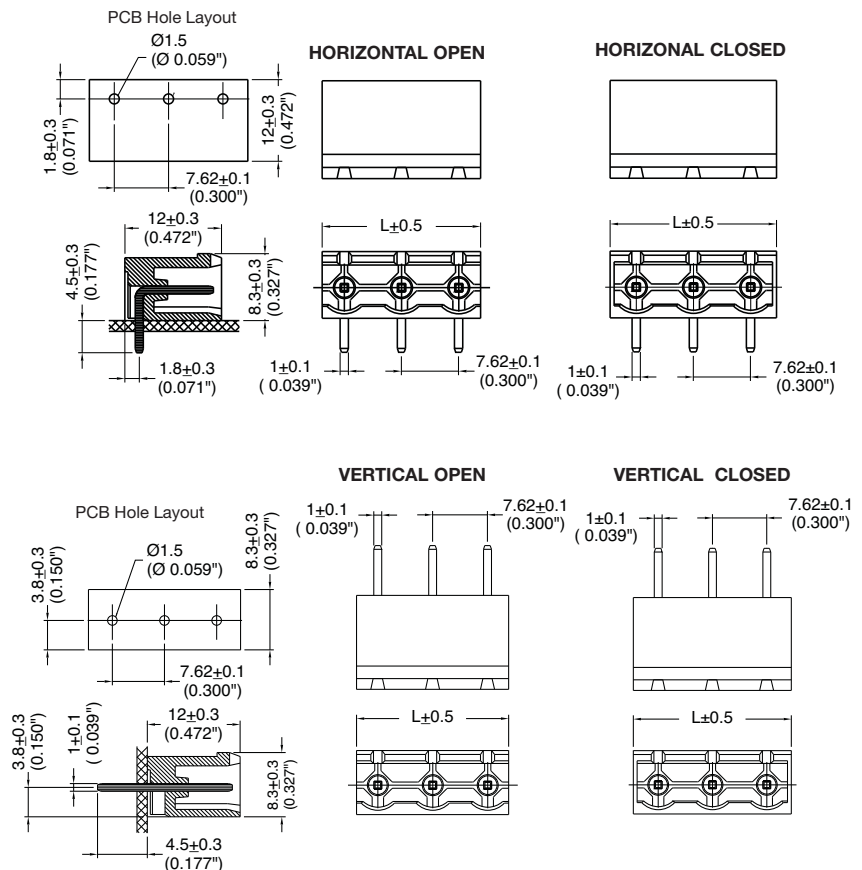
**Construction:** Mold-to-Length

**Agency Information:**  File E62622; CE Certified

**Dimensions - mm (in)**

| Poles | Open L (mm) | Closed L (mm) |
|-------|-------------|---------------|
| 2     | 13.44       | 15.24         |
| 3     | 21.06       | 22.86         |
| 4     | 28.68       | 30.48         |
| 5     | 36.60       | 38.10         |
| 6     | 43.92       | 45.72         |
| 7     | 51.54       | 53.34         |
| 8     | 59.16       | 60.96         |
| 9     | 66.78       | 68.58         |
| 10    | 74.40       | 76.20         |
| 11    | 82.02       | 83.82         |
| 12    | 89.64       | 91.44         |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

**EM3526**

# of Poles

02 to 24

Orientation

H - horizontal  
V - vertical

Side Base

O - open  
C - closed

Mating Plug: EM3516 pg. 108

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM2416 Series****Euro-Mag Terminal Blocks**

Pluggable Block with Flanges (Mates with EM2426 Series); 7.62 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Wire Range:** #14-24 AWG

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Cage Clamp:** Brass, Nickel-Plated

**Screw Size:** M3.0 Zinc-Plated Steel

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

**Torque Rating:** 5.0 lb-in.

**Construction:** Mold-to-Length

**Agency Information:**  US File E62622; CE Certified

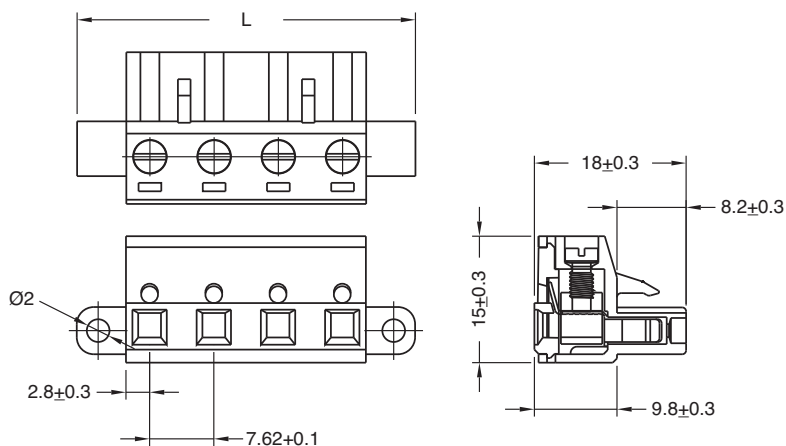


EM241602

**Dimensions - mm (in)**

| Poles | L (mm) |
|-------|--------|
| 2     | 24.90  |
| 3     | 32.50  |
| 4     | 40.10  |
| 5     | 47.80  |
| 6     | 55.40  |
| 7     | 63.00  |
| 8     | 70.60  |
| 9     | 78.20  |
| 10    | 89.90  |
| 11    | 93.50  |
| 12    | 101.10 |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

Mating Header: EM2426 pg. 111

EM2416

□□

02 to 12

**EM2426 Series****Euro-Mag Terminal Blocks**

Header with Flanges (Mates with EM2416 Series); 7.62 Centers

**SPECIFICATIONS**

**Rating:** 16A, 300V

**Center Spacing:** 0.30" (7.62mm)

**Housing Material:** UL rated 94V0 Thermoplastic

**Contact Material:** Tin-Plated Brass

**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.

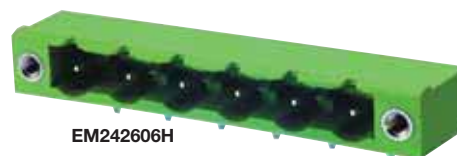
**Recommended PCB Hole Diameters:** 0.059" (1.50mm)

**Construction:** Mold-to-Length

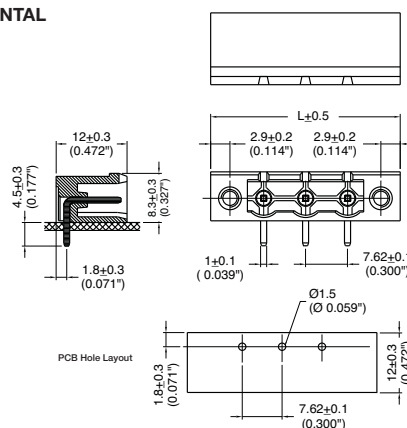
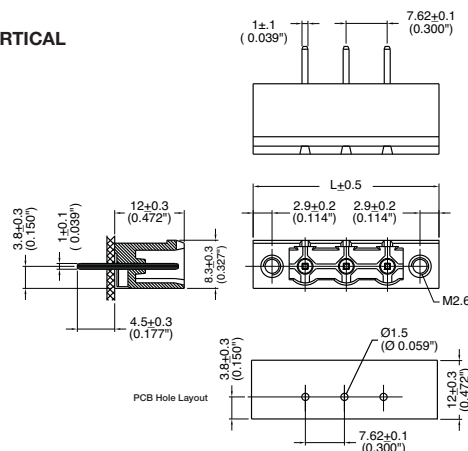
**Agency Information:** cULus File E62622; CE Certified



EM242603V



EM242606H

**Dimensions - mm (in)****HORIZONTAL****VERTICAL**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 25.62  | 8     | 71.34  |
| 3     | 33.24  | 9     | 78.96  |
| 4     | 40.86  | 10    | 86.58  |
| 5     | 48.48  | 11    | 94.20  |
| 6     | 56.10  | 12    | 101.80 |
| 7     | 63.72  |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

EM2426

# of Poles

02 to 12

Orientation

H - horizontal  
V - vertical

Mating Plug: EM2416 pg. 110

Terminal Blocks:  
Single & Double Row

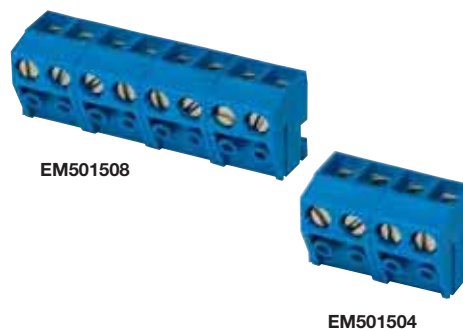
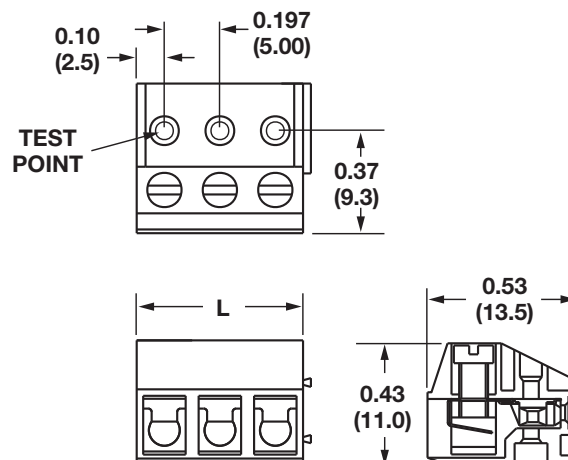
EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

**EM5015 Series****Euro-Mag Terminal Blocks**

Pluggable Block

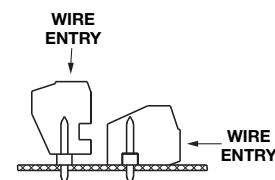
(Mates with EM5025 Series); 5.00 Centers

**SPECIFICATIONS****Rating:** 15A, 300V**Center Spacing:** 0.197" (5.00mm)**Wire Range:** #16-24 AWG**Housing Material:** Blue UL 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Screw Size:** M2x6 Chromatized Steel**Operating Temperature:** 120°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 3.0 lb-in.**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Connector Style:** Spring Clamp**Agency Information:** cULus File E62622; CE Certified**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2*    | 10.0   | 14    | 70.0   |
| 3*    | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

\*Mold-to-Length

**Mating orientations****Part Numbering System****Series****# of Poles****Mating Header:** EM5025 pg. 113

EM5015

□ □

02 to 24

**EM5025 Series****Euro-Mag Terminal Blocks**

Header (Mates with EM5015 Series);

5.00 Centers

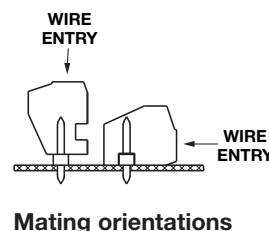
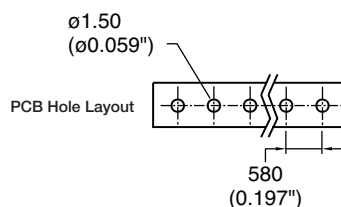
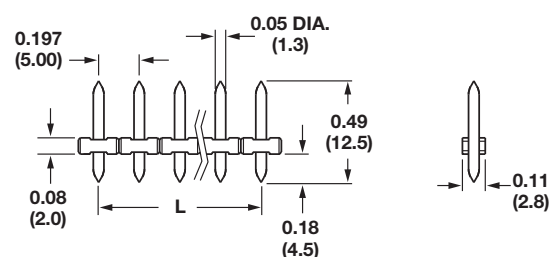
**SPECIFICATIONS****Rating:** 15A, 300V**Center Spacing:** 0.197" (5.00mm)**Housing Material:** Black UL 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Operating Temperature:** 120°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.059" (1.50mm)**Construction:** Mold-to-Length**Agency Information:**  File E62622; CE CertifiedTerminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 10.0   | 14    | 70.0   |
| 3     | 15.0   | 15    | 75.0   |
| 4     | 20.0   | 16    | 80.0   |
| 5     | 25.0   | 17    | 85.0   |
| 6     | 30.0   | 18    | 90.0   |
| 7     | 35.0   | 19    | 95.0   |
| 8     | 40.0   | 20    | 100.0  |
| 9     | 45.0   | 21    | 105.0  |
| 10    | 50.0   | 22    | 110.0  |
| 11    | 55.0   | 23    | 115.0  |
| 12    | 60.0   | 24    | 120.0  |
| 13    | 65.0   |       |        |

To convert to inches, divide by 25.4

**Dimensions - mm (in)****Mating orientations****Part Numbering System****Series****# of Poles****Mating Plug:** EM5015 pg. 112

|   |   |   |   |   |   |                      |                      |
|---|---|---|---|---|---|----------------------|----------------------|
| E | M | 5 | 0 | 2 | 5 | <input type="text"/> | <input type="text"/> |
|---|---|---|---|---|---|----------------------|----------------------|

02 to 24

**EM5035 Series****Euro-Mag Terminal Blocks**

Pluggable Block, Stackable

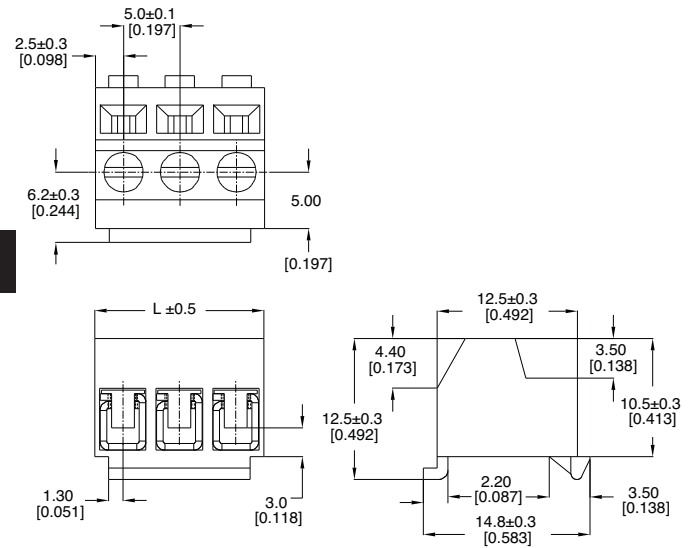
(Mates with EM5045 Series) 5.00 Centers

**SPECIFICATIONS****Rating:** 10A, 300V**Center Spacing:** 0.197" (5.00mm)**Wire Range:** #16-24 AWG**Housing Material:** Black UL 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Wire Protector:** Phosphor Bronze, Tin-Plated**Screw Size:** M2.6 Chromatized Steel**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Torque Rating:** 3.0 lb-in.**Construction:** Modular design features dovetails for interlocking to achieve longer lengths**Agency Information:** eUS File E62622; CE Certified

EM503503

EM503502

Shown with EM5045series header - order separately

**Dimensions - mm (in)**

To convert to inches, divide by 25.4

**Part Numbering System****Series****# of Poles**

EM5035

□□

02 to 24

**Mating Plug:** EM5045 pg. 115

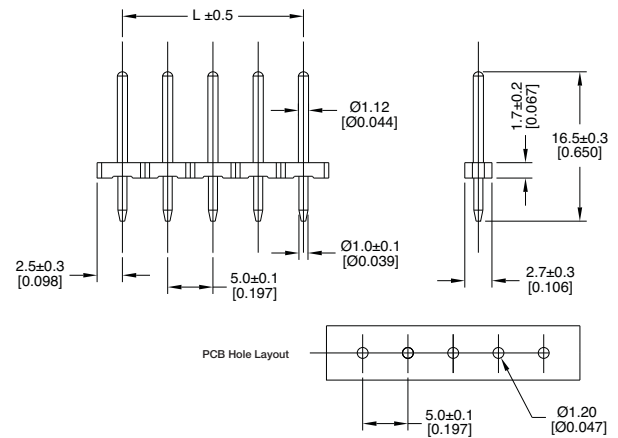
**EM5045 Series****Euro-Mag Terminal Blocks**

Header (Mates with EM5035 Series);

5.00 Centers

**SPECIFICATIONS****Rating:** 10A, 300V**Center Spacing:** 0.197" (5.00mm)**Housing Material:** Black UL 94V0 Thermoplastic**Contact Material:** Tin-Plated Brass**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.**Recommended PCB Hole Diameters:** 0.059" (1.50mm)**Construction:** Mold-to-Length**Agency Information:**  File E62622; CE Certified

EM504513

**Dimensions - mm (in)**

| Poles | L (mm) | Poles | L (mm) |
|-------|--------|-------|--------|
| 2     | 5.0    | 14    | 65.0   |
| 3     | 10.0   | 15    | 70.0   |
| 4     | 15.0   | 16    | 75.0   |
| 5     | 20.0   | 17    | 80.0   |
| 6     | 25.0   | 18    | 85.0   |
| 7     | 30.0   | 19    | 90.0   |
| 8     | 35.0   | 20    | 95.0   |
| 9     | 40.0   | 21    | 100.0  |
| 10    | 45.0   | 22    | 105.0  |
| 11    | 50.0   | 23    | 110.0  |
| 12    | 55.0   | 24    | 115.0  |
| 13    | 60.0   |       |        |

To convert to inches, divide by 25.4

**Part Numbering System**

Series

# of Poles

EM5045

□□

02 to 24

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References



## Series NDN Rail Mount Terminal Blocks

35mm DIN Rail Compatible

### SPECIFICATIONS

**High Density Design:** Up to 48 circuits per foot

**Clamping Collar:** Secures wires

**Large, Captive, Wire-Ready Screws:** Speeds assembly

**Snap-on Installation to DIN Rail:** Fast, easy assembly

**Fully Shielded Construction:** 600V spacings

**Unique One-Piece Construction:** Increases reliability

**Thermoplastic Moldings:** Strong and impact resistant

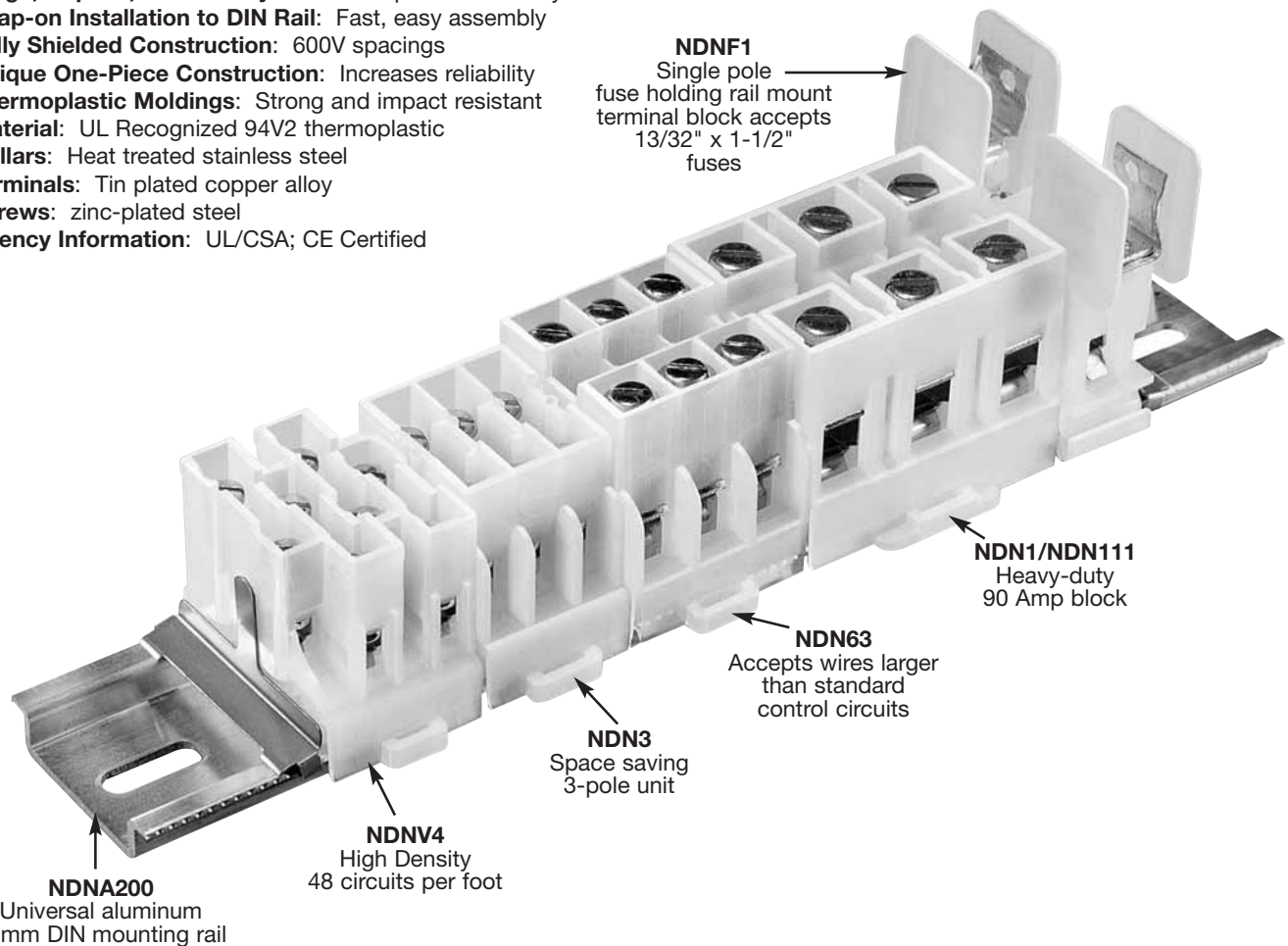
**Material:** UL Recognized 94V2 thermoplastic

**Collars:** Heat treated stainless steel

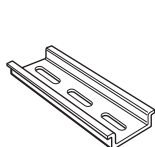
**Terminals:** Tin plated copper alloy

**Screws:** zinc-plated steel

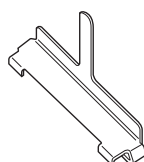
**Agency Information:** UL/CSA; CE Certified



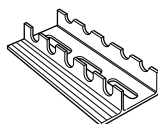
## Series NDN Terminal Block Accessories



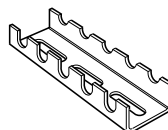
**NDNA**  
35mm DIN Rail  
Aluminum  
**NDNA 100** 1 meter  
**NDNA 200** 2 meters



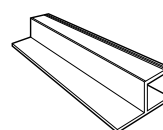
**NDNAS**  
35mm DIN Rail  
End Stop



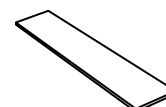
**NFTA**  
C-Rail  
Aluminum  
Lengths to 72"



**NRA**  
C-Rail  
Low Profile  
No Flange  
Aluminum  
Lengths to 37-1/2"



**SOA72**  
72" Long  
Stand-Off Channel  
For C-Rail



**MARKING  
TAPE**  
See Series  
Specifications



**JUMPERS**  
See Series  
Specifications

## Rail Mount Terminal Blocks

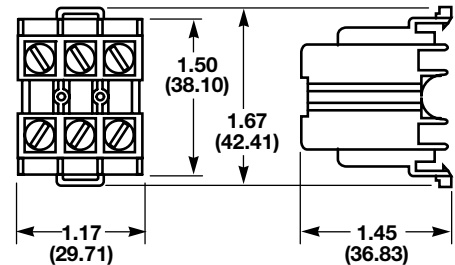
### NDN63

#### SPECIFICATIONS:

**Rating:** 65A, 600V  
**Center Spacing:** 0.375" (9.52mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 30  
**Circuit Jumper:** JN3, 2 circuits  
**Wire Range:** AWG #6-18 CU  
**Screw Size:** #10-32  
**Mounting Options:** 35mm DIN rail, C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 35 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



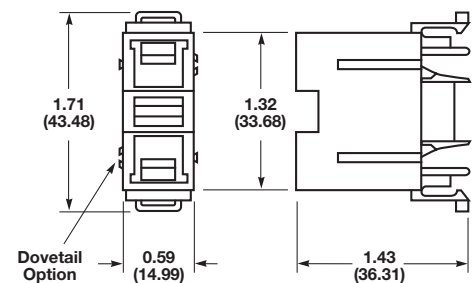
### NDN1

#### SPECIFICATIONS:

**Rating:** 90A, 600V  
**Center Spacing:** 0.635" (16.13mm)  
**Number of Poles:** 1  
**Circuits Per Foot:** 18  
**Wire Range:** AWG #2-18 CU  
**Screw Size:** #1/4-28  
**Mounting Options:** 35mm DIN rail, C-rail  
 \* Dove-tail option is available for mounting side-by-side.  
 Order part no. NDN1A-WH  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 32 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 47235



Dimensions - in (mm)



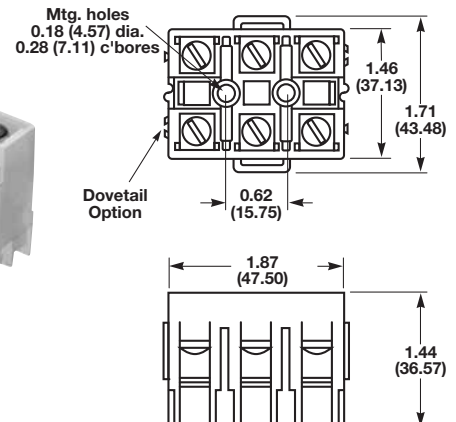
### NDN111

#### SPECIFICATIONS:

**Rating:** 90A, 600V  
**Center Spacing:** 0.635" (16.13mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 18  
**Circuit Jumper:** JN1, 2 circuits  
**Wire Range:** AWG #2-18 CU  
**Screw Size:** #1/4-28  
**Mounting Options:** 35mm DIN rail, C-rail, Base Mount  
 \* Dove-tail option is available for mounting side-by-side.  
 Order part no. NDN111-A  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 32 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 47235



Dimensions - in (mm)



## Rail Mount Terminal Blocks

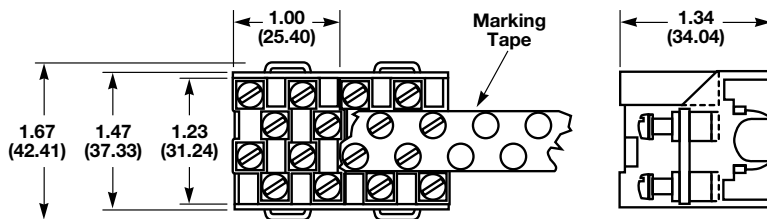
### NDNV4

#### SPECIFICATIONS:

**Rating:** NDNV4 30A, 600V  
**Center Spacing:** 0.25" (6.35mm)  
**Number of Poles:** 4  
**Circuits Per Foot:** 48  
**Circuit Jumper:** JN4, 4 circuits  
**Wire Range:** AWG #10-22 CU  
**Screw Size:** #6-32  
**Mounting Options:** 35mm DIN rail, C-rail  
**Marking Tape:** MTC6  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



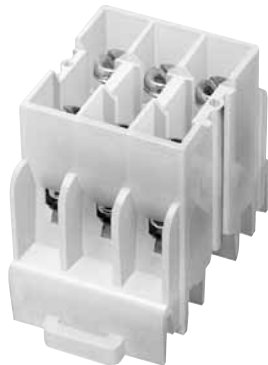
Dimensions - in (mm)



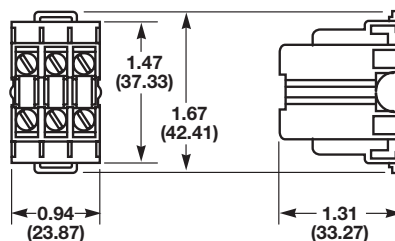
### NDN3

#### SPECIFICATIONS:

**Rating:** 30A - field wiring; 40A - factory wiring  
 600V  
**Center Spacing:** 0.300" (7.62mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 38  
**Circuit Jumper:** JNDN3, 2 circuits  
**Wire Range:** AWG #10-22 CU  
**Screw Size:** #6-32  
**Mounting Options:** 35mm DIN rail, C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



## Rail Mount Terminal Blocks

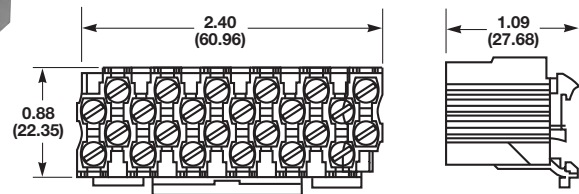
### N512

#### SPECIFICATIONS:

**Rating:** 5A, 600V; 20A, 300V  
**Center Spacing:** 0.197" (5.00mm)  
**Number of Poles:** 12  
**Circuits Per Foot:** 60  
**Circuit Jumper:** JN512, 12 circuits  
**Wire Range:** AWG #12-22 CU  
**Screw Size:** #4-48  
**Mounting Options:** C-rail, 15mm DIN rail  
**Marking Tape:** AT512  
**Torque Rating:** 12 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** CSA File 15364



Dimensions - in (mm)



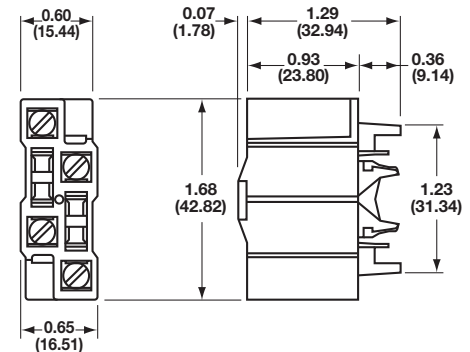
### NFT2

#### SPECIFICATIONS:

**Rating:** 40A, 600V;  
 55A Factory Wired  
**Center Spacing:** 0.281" (7.13mm)  
**Number of Poles:** 2  
**Circuits Per Foot:** 38  
**Circuit Jumper:** JN2, 2 circuits  
**Wire Range:** AWG #8-22 CU  
**Screw Size:** #8-32  
**Mounting Options:** C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



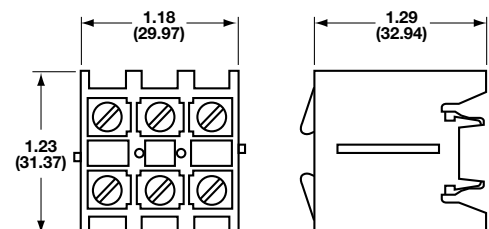
### NFT3

#### SPECIFICATIONS:

**Rating:** 40A, 600V  
 55A Factory Wired  
**Center Spacing:** 0.390" (9.91 mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 28  
**Circuit Jumper:** JN3, 2 circuits  
**Wire Range:** AWG #8-22 CU  
**Screw Size:** #8-32  
**Mounting Options:** C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 47235



Dimensions - in (mm)



## Rail & Base Mount Terminal Blocks

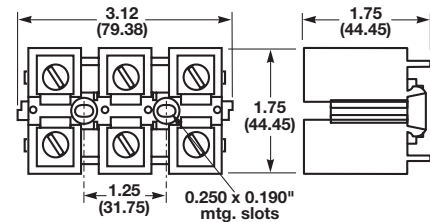
### NC3

#### SPECIFICATIONS:

**Rating:** 175A, 600V  
**Center Spacing:** 1.06" (26.92mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 11  
**Wire Range:** 2/0-#14 CU/AL  
**Screw Size:** 5/16-24  
**Mounting Options:** C-rail, Base Mount  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 45 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



#### Dimensions - in (mm)



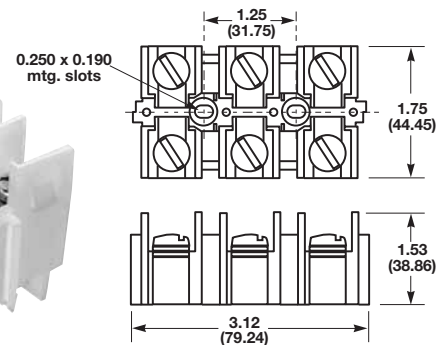
### NSE3

#### SPECIFICATIONS:

**Rating:** 115A, 600V  
**Center Spacing:** 1.06" (26.92mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 11  
**Circuit Jumper:** JNSE3, 2 circuits  
**Wire Range:** For use with wire crimped to ring terminal  
**Screw Size:** #1/4-28  
**Mounting Options:** C-rail, Base Mount  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 32 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



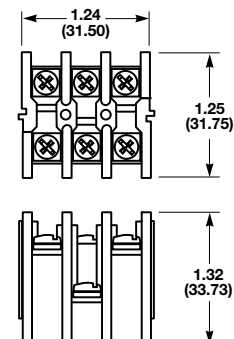
#### Dimensions - in (mm)



### NSS3

#### SPECIFICATIONS:

**Rating:** 30A, 600V  
**Center Spacing:** 0.385" (9.77mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 28  
**Circuit Jumper:** JNSS3, 2 circuits  
**Wire Range:** For use with wire crimped to ring terminal  
**Screw Size:** #6-32  
**Mounting Options:** C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 12 lb-in  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364





## Depluggable Rail Mount Terminal Blocks

### PLU3

#### SPECIFICATIONS:

**Rating:** 40A, 600V

**Center Spacing:** 0.390" (9.91mm)

**Number of Poles:** 3

**Circuits Per Foot:** 28

**Circuit Jumper:** JN3, 2 circuits

**Wire Range:** AWG #8-22 CU

**Screw Size:** #8-32

**Mounting Options:** C-rail, Stackable

**Marking Tape:** MT12-1-2

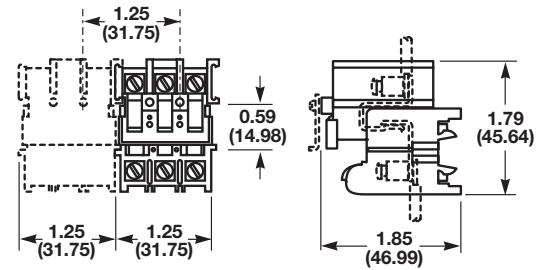
**Torque Rating:** 18 lb-in

**Operating Temperature:** 105°C

**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



### PLU1 Series

#### SPECIFICATIONS:

**Rating:** 70A, 600V

**Center Spacing:** 0.625" (15.88mm)

**Number of Poles:** 1-3

**Part Numbers:**

- PLU1 (1-pole)
- PLU11 (2-pole)
- PLU111 (3-pole)

**Circuits Per Foot:** 19

**Circuit Jumper:** JN1, 2 circuits

**Wire Range:** AWG #4-18 CU

**Screw Size:** #1/4-28

**Mounting Options:** C-rail, Stackable

**Marking Tape:** MT12-1-2

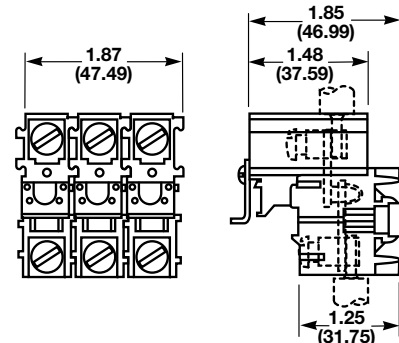
**Torque Rating:** 32 lb-in

**Operating Temperature:** 105°C

**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



### PSU1 Series

#### SPECIFICATIONS:

**Rating:** 45A\*, 600V

\*45A rating achieved with ring terminal crimped to wire.

**Center Spacing:** 0.625" (15.88 mm)

**Number of Poles:** 1-3

**Part Number:**

- PSU1 (1-pole)
- PSU11 (2-pole)
- PSU111 (3-pole)

**Circuits Per Foot:** 19

**Wire Range:** For use with crimp on connectors only.

**Screw Size:** #10-32

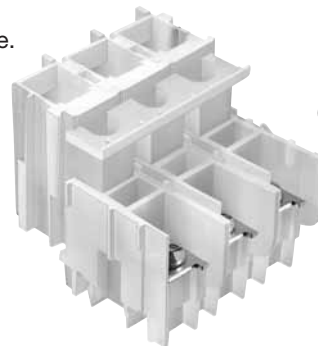
**Mounting Options:** C-rail, Stackable

**Marking Tape:** MT12-1-2

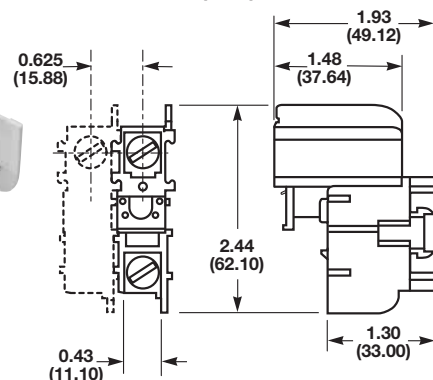
**Torque Rating:** 24 lb-in

**Operating Temperature:** 105°C

**Agency Information:** UL File E62622, CSA File 15364



Dimensions - in (mm)



Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## Fuse Holding Rail Mount Terminal Blocks

### NDNF1

#### SPECIFICATIONS:

**Rating:** 30A, 600V; UL/CSA

**Number Of Poles:** 1

**Fuse Size:** 13/32" x 1-1/2"

**Circuit Jumper:** JF1, 2 Circuits

**Wire Range:** AWG #8-22 CU

**Mounting Options:** 35mm DIN rail, C-rail

**Fuse Pullers:** • PF1 (standard)

• neon or incandescent bulb

\*LPF1 (lighted neon or incandescent bulb).

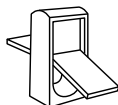
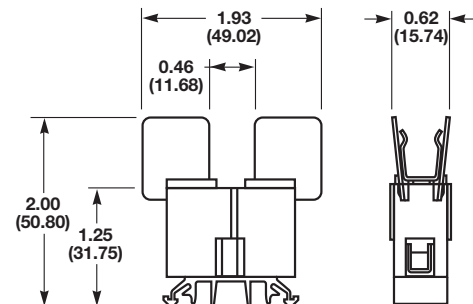
**Torque Rating:** 18 lb-in

**Operating Temperature:** 105°C

**Agency Information:** CSA File 15364



Dimensions - in (mm)



PF1  
Fuse Puller



LPF1  
Lighted Fuse Puller

\*Visual indicator for open fuse is neon or incandescent bulb, depending on voltage. Specify voltage required.

### NDND1 non-fused terminal block enables isolation of individual circuits for testing

### NDNFD1 fused terminal block

### NDNLFD1 fused terminal block with visual indicator\* for open fuse

#### SPECIFICATIONS:

**Ratings:** NDND1: 30A, 600V

NDNFD1: 15A, 600V

NDNLFD1: 15A, 600V

**Number of Poles:** 1

**Fuse size:** 1/4" x 1-1/4"

**Circuit Jumper:** JF1, 2 circuits

**Wire Range:** AWG #8-22 CU

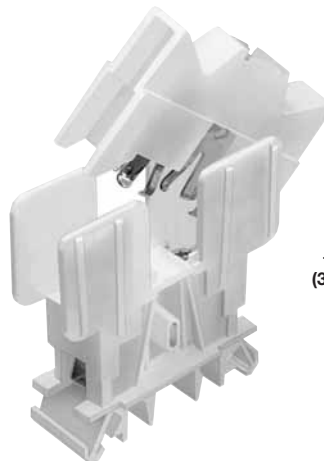
**Mounting Options:** 35mm DIN rail, C-rail

**Marking Tape:** MT12-1-2

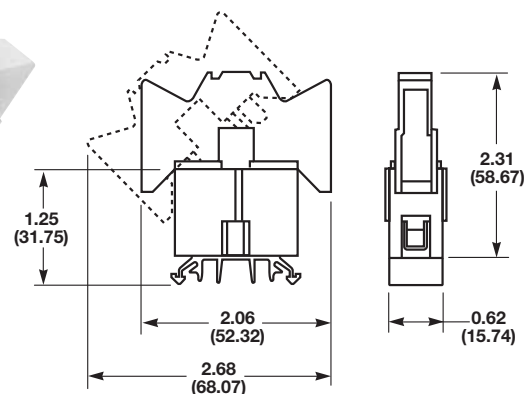
**Torque Rating:** 18 lb-in

**Operating Temperature:** 105°C

**Agency Information:** CSA File 15364



Dimensions - in (mm)



\*Visual indicator for open fuse is neon or incandescent bulb, depending on voltage. Specify voltage required.



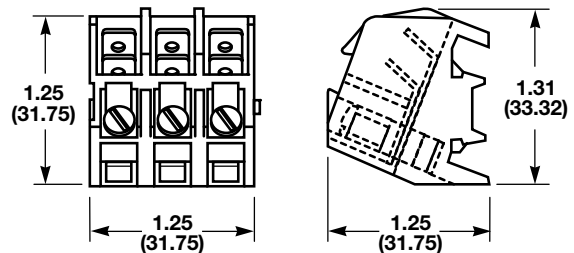
## Quick Connect Terminal Blocks

**NTQ23****SPECIFICATIONS:**

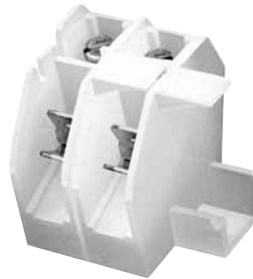
**Rating:** 40A, 600V  
**Center Spacing:** 0.390" (9.91mm)  
**Number of Poles:** 3  
**Circuits Per Foot:** 28  
**Wire Range:** AWG #8-22 CU  
**Screw Size:** #8-32  
**Quick Connects:** 0.250" x 0.031"  
**Mounting Options:** C-rail  
**Marking Tape:** MT12-1-2  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C



Dimensions - in (mm)

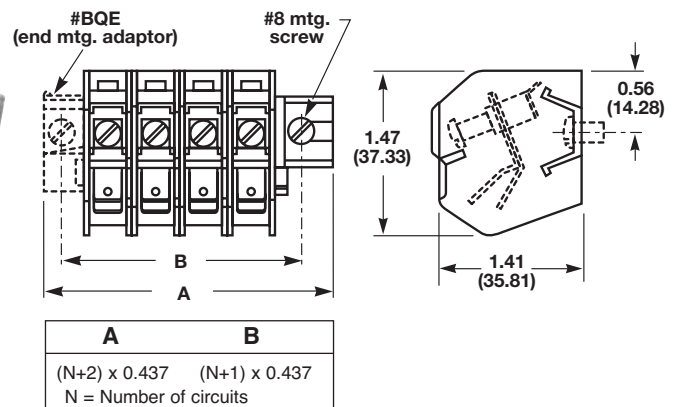
**BNQ21****SPECIFICATIONS:**

**Rating:** 40A, 600V  
**Center Spacing:** 0.437" (11.10mm)  
**Number of Poles:** 1  
**Circuits Per Foot:** 24  
**Wire Range:** AWG #8-22 CU  
**Screw Size:** #8-32  
**Quick Connects:** 0.250" x 0.031"  
**Mounting Options:** Base Mount Stackable; End Piece (Part No. BQE) is required for mounting. Mounting screws recommended every 8 circuits.  
**Torque Rating:** 18 lb-in  
**Operating Temperature:** 105°C  
**Screw Size:** #8-32  
**Agency Information:** UL File E62622, CSA File 15364

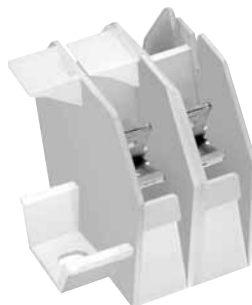


**BQE**  
End Mounting  
Adapter Required

Dimensions - in (mm)

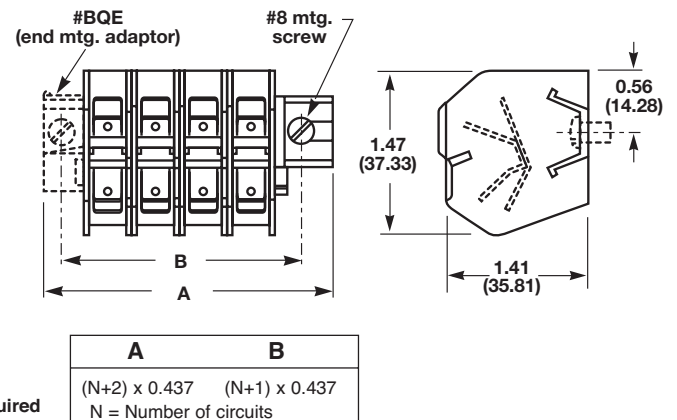
**BQQ41****SPECIFICATIONS:**

**Rating:** 30A, 600V  
**Center Spacing:** 0.437" (11.10mm)  
**Number of Poles:** 1  
**Circuits Per Foot:** 24  
**Wire Range:** For use with quick connect terminals only.  
**Quick Connects:** 0.250" x 0.031"  
**Mounting Options:** Base Mount, Stackable; End Piece (Part No. BQE) is required for mounting. Mounting screws recommended every 8 circuits.  
**Operating Temperature:** 105°C  
**Agency Information:** UL File E62622, CSA File 15364



**BQE**  
End Mounting Adapter Required

Dimensions - in (mm)

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

## Base Mount Terminal Blocks

## KT3

## SPECIFICATIONS:

Rating: 40A, 600V

Center Spacing: 0.390" (9.91mm)

Number of Poles: 3

Circuits Per Foot: 28

Circuit Jumper: JN3, 2 circuits

Wire Range: AWG #8-22 CU

Screw Size: #8-32

Mounting Options: Base Mount, Stackable

Marking Tape: MT12-1-2

Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: UL File

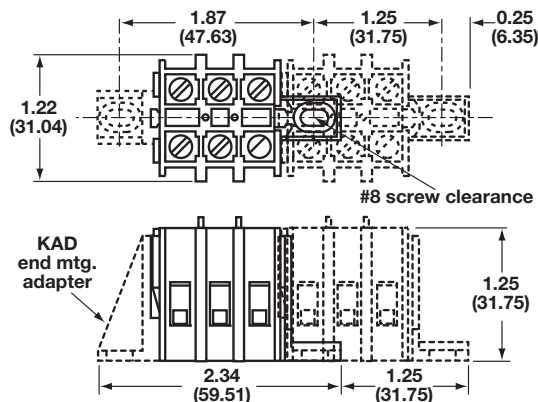
E62622, CSA File 15364



KAD

End Mount Adapter Required  
KT3-A01 includes KAD

## Dimensions - in (mm)



## KT4

## SPECIFICATIONS:

Rating: 30A, 600V

Center Spacing: 0.25" (6.35mm)

Number of Poles: 4

Part Number:

•KT4-WH-A

•KT4-WH-B

Note: When used in series must order A and B

Circuits Per Foot: 48

Circuit Jumper: JN4, 4 circuits

Wire Range: AWG #10-22 CU

Screw Size: #6-32

Mounting Options: Base Mount

Mounting screws recommended every 12 circuits

Marking Tape: MTC6

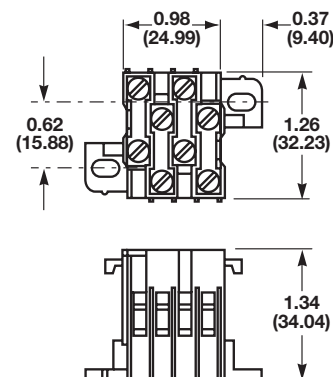
Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: UL File E62622, CSA File 15364



## Dimensions - in (mm)



## PLK3

## SPECIFICATIONS:

Rating: 40A, 600V

Center Spacing: 0.39" (9.91mm)

Number of Poles: 3

Circuits Per Foot: 28

Circuit Jumper: JN3, 2 circuits

Wire Range: AWG #8-22 CU

Screw Size: #8-32

Mounting Options: Base Mount,  
Stackable; End Piece (Part No. KAD)is required for mounting. Mounting  
screws recommended every 15 circuits.

Marking Tape: MT12-1-2

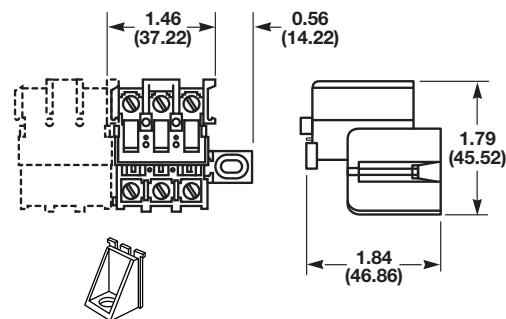
Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: UL File E62622



## Dimensions - in (mm)



KAD

End Mount Adapter Required

## Series 15188

Disconnect Terminal Blocks for 35mm DIN Rail Mount

### SPECIFICATIONS

**Rating:** 30A, 600V\*

**Center Spacing:** 0.375" (9.52mm)

**Wire Range:** #12-16 AGW CU

**Screw Size:** #6-32 zinc-plated phillot

**Number of Poles:** 3- and 4-pole only

**Mounting:** 35mm DIN Rail

Optional End Stop NDNAS

**Jumpers:** 2- through 4-pole available

**Materials:** Molded Base: UL rated 94V-2 thermoplastic.

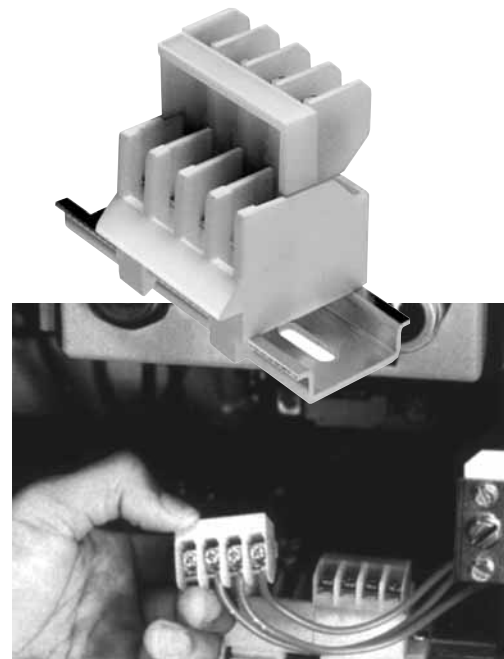
Tin plated copper alloy contacts.

**Torque Rating:** 12 lb-in

**Operating Temperature:** 105°C

**Agency Information:** UL File E62622, CSA File 47235

\* 30A rating achieved with #10AWG wire crimped to ring terminal; 25A without.



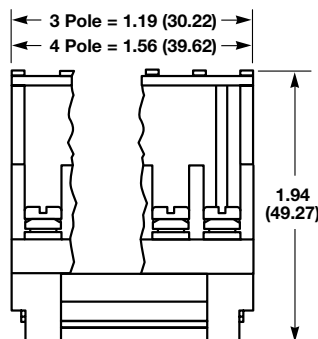
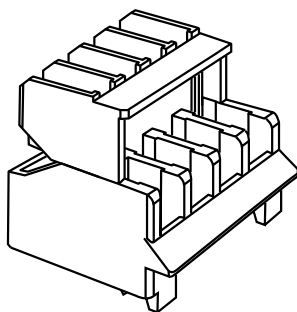
Terminal Blocks:  
Single & Double Row

EuroMag Series

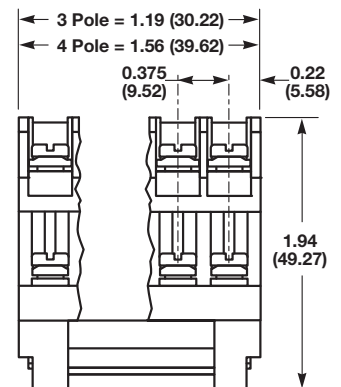
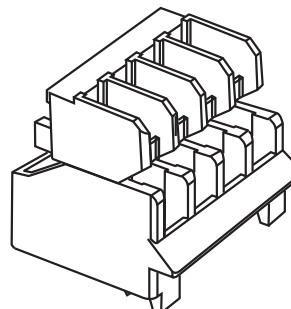
Terminal Blocks:  
Base & Rail Mount

### Dimensions - in (mm)

#### IN-LINE WIRING DIRECTION



#### REVERSE WIRING DIRECTION



Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## Part Numbering System

Series

15188

-

Poles

3 to 4

Wiring

blank - inline  
R - reverse

S - locking snap

## 15288 Series

Disconnect Terminal Blocks  
for DIN Rail Mount

### SPECIFICATIONS

**Rating:** 65A, 600V\*

**Center Spacing:** 0.54" (13.7mm)

**Wire Range:** #6-16 AWG

**Screw Size:** #8-32 zinc-plated phillslot

**Number of Poles:** 3-pole only

**Mounting:** 35mm DIN Rail

**Optional Accessories:** Optional End Stop NDNAS  
(order optional accessories separately)

**Materials:** Molded Base: UL rated 94V2 thermoplastic.  
Tin-plated copper alloy contacts.

**Torque Rating:** 20 lb-in (30 lb-in for 8AWG bare wire)

**Operating Temperature:** 105°C (221°F)

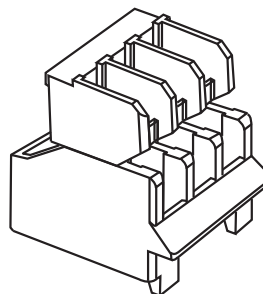
**Agency Information:** UL File E62622

\*CSA rating achieved with #6AWG wire crimped to ring terminal 50A without.

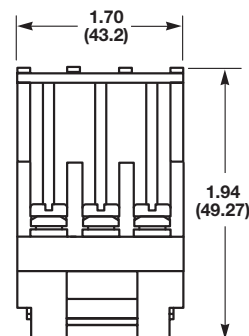
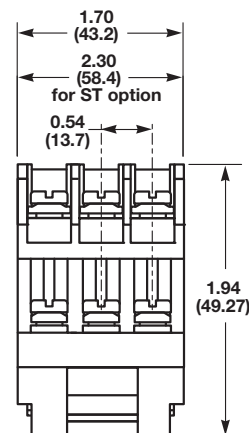
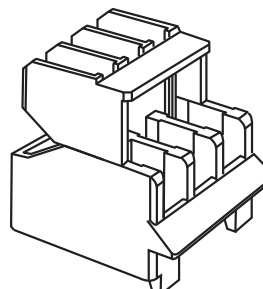


Dimensions - in (mm)

REVERSE WIRING DIRECTION



INLINE WIRING DIRECTION



## Part Numbering System

Series

15288

Wiring

blank

blank - inline  
R - reverse

Options

S ST SS

S - snap  
ST - screw together  
SS - solid DIN rail snap

## Series KU

### Base Mount Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 60A, 600V\*

**Center Spacing:** 0.625" (15.88mm)

**Number of Poles:** 2- to 12-poles

**Wire Range:** #6-22 AWG CU

**Screw Size:** #10-32

**Torque Rating:** 20 lb-in.

**Distance Between Barriers:** 0.437" (11.09mm)

**Mounting:** Base mount

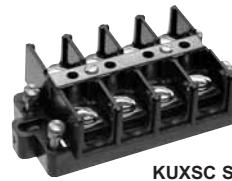
**Material:** Molded base: Black, UL rated 94V1 Nuclear Grade Noryl

Terminal plating: Nickel over brass

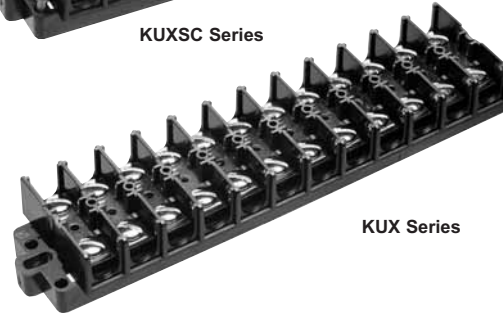
**Operating Temperature:** 105°C max.

**Agency Information:** UL File E62622, CSA File 47235

\* 60A rating achieved with #6 copper wire crimped to ring terminal.

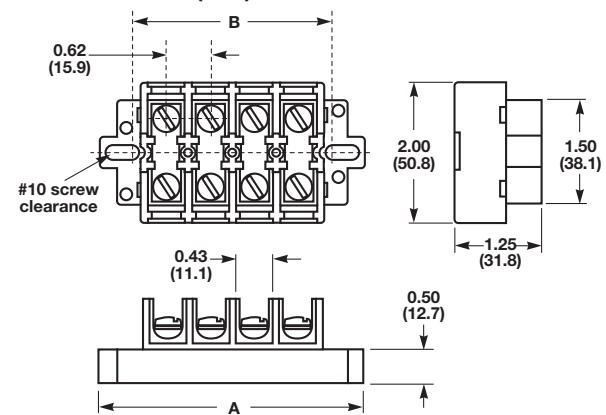


KUXSC Series



KUX Series

#### Dimensions - in (mm)



| Poles | A    | KU B | KUX only A |
|-------|------|------|------------|
| 02    | 2.50 | 1.62 | 2.00       |
| 03    | 3.12 | 2.25 | 2.62       |
| 04    | 3.75 | 2.87 | 3.25       |
| 05    | 4.37 | 3.50 | 3.87       |
| 06    | 5.00 | 4.12 | 4.50       |
| 07    | 5.62 | 4.75 | 5.12       |
| 08    | 6.25 | 5.37 | 5.75       |
| 09    | 6.87 | 6.00 | 6.37       |
| 10    | 7.50 | 6.62 | 7.00       |
| 11    | 8.12 | 7.25 | 7.62       |
| 12    | 8.75 | 7.87 | 8.25       |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Part Numbering System

#### Series



- KU** - standard block
- KUX** - short block
- KURL** - standard w/removable link
- KUXRL** - short block w/removable link

#### Poles



**02 to 12**

#### Screw Options



- 00** - screws shipped bulk
- W** - brass washer head, nickel-plated
- P** - steel screw w/pressure plate zinc-plated
- B** - brass washer head, no plating
- BP** - brass phillslot, nickel-plated

#### Covers



- WC** - top cover & 2 end plates

#### Marking Strip



- MT** - matte finish - white
- NU** - numbered 1 to 12, horizontal
- NUV** - numbered 1 to 12, vertical
- PT** - marker strip for cover

## Part Numbering System - SC Series

**KUSC** - standard w/shorting strap & 4 shorting screws **02 to 12**

**KUXSC** - short block w/shorting strap & 4 shorting screws

- 00** - screws shipped bulk
- W** - brass washer head, nickel-plated
- P** - steel screw w/pressure plate zinc-plated
- B** - brass washer head, no plating
- BP** - brass phillslot, nickel-plated

**WC** - top cover & 2 end plates

**PT** - marker strip for cover

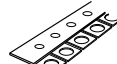
## Accessories



**MTMU##**  
Molded Marking Tape - Matte Finish



**NUM##**  
Molded Marking Tape



**JU12**  
Jumper - 12 Circuits



**NUE**  
End Piece for NUC



**NUC##**  
Cover

## Series 11675

### Quick-Connect Power Distribution Blocks

#### SPECIFICATIONS

**Rating:** 40A, 250V

**Poles:** 2- to 6-poles with (3) 0.25" quick-connect terminals per pole

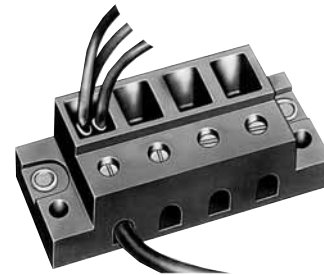
**Wire Range:** #8-14 AWG CU

**Torque Rating:** 18 lb-in.

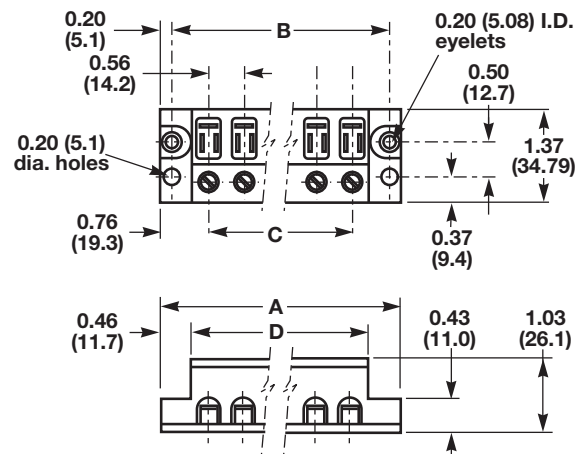
**Operating Temperature:** 150°C

**Design:** Screw connections for field wiring. Quick connects reduce cost of internal wiring.

**Agency Information:** UL File E62622, CSA File 47235



Dimensions - in (mm)



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Series 11725

### Quick-Connect Power Distribution Blocks

#### SPECIFICATIONS

**Rating:** 70A, 600V

**Poles:** 2-, 3- or 4-poles with (4) 0.25" quick-connect terminals per pole

**Wire Range:** #2-14 AWG CU / #2-8 AWG AL

**Torque Rating:** 45 lb-in.

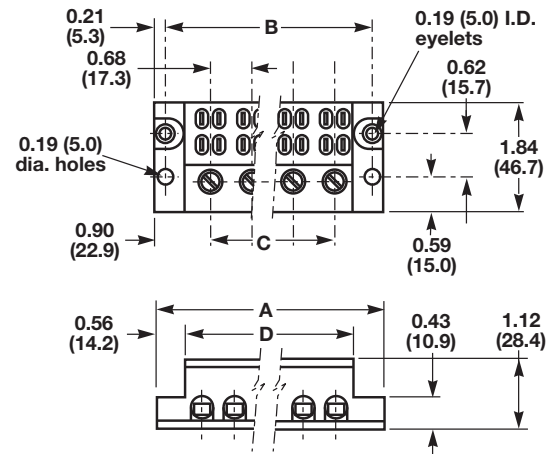
**Operating Temperature:** 150°C

**Design:** Screw connections for field wiring. Quick connects reduce cost of internal wiring.

**Agency Information:** UL File E62622, CSA File 47235



Dimensions - in (mm)



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.



## Series 14002

### Barrier Terminal Blocks

#### SPECIFICATIONS

**Rating:** 115A, 600V

**Poles:** 2- to 6-poles

**Wire Range:** #2-14 AWG CU / #2-8 AWG AL

**Torque Rating:** 2-3, 50 lb-in; 4-6, 45 lb-in; 8, 40 lb-in; 10-14, 35 lb-in.

**Operating Temperature:** 150°C

**Marking:** Marking strip optional, consult factory.

**Options:** CP = pressure plate, rated 60A, 600V

Q = quick-connect, rated 50A, 600V

To order enter letter code in front of part number: ie; CP14002-2

**Agency Information:** UL File E62622, CSA File 47235

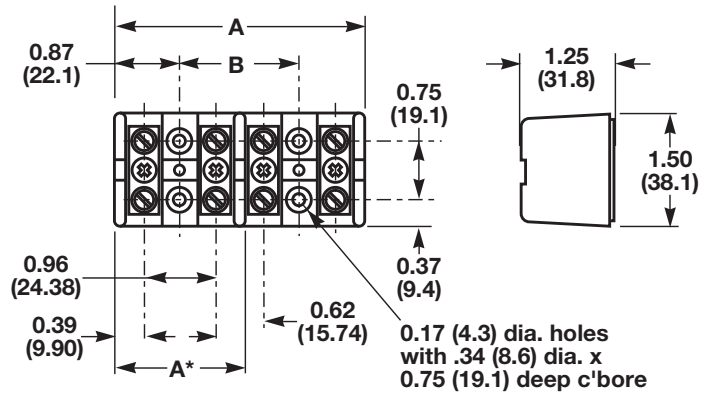
| Part Number | A    | B    |
|-------------|------|------|
| 14002-2     | 1.75 | —    |
| 14002-3     | 2.37 | —    |
| 14002-4     | 3.34 | 1.59 |
| 14002-5     | 3.96 | 2.21 |
| 14002-6     | 4.59 | 2.84 |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

Note: "A" dimension for 14002-2 & 14002-3 only. (14002-2 & 14002-3 have only two mounting holes.)



Dimensions - in (mm)



## Series 14004

### Dead Front Terminal Blocks

#### SPECIFICATIONS

**Rating:** 90A, 600V

**Poles:** 2- to 12-poles

**Wire Range:** #4-14 AWG CU / #4-8 AWG AL

| Torque Rating: | Cu AWG | AL AWG | Lb-in |
|----------------|--------|--------|-------|
|                | 4-6    | 4-6    | 35    |
|                | 8      | 8      | 25    |
|                | 10-14  | 10-12  | 20    |
|                | 16-18* | —      | 20    |

\*Solid conductor only

**Operating Temperature:** 75°C

**Marking:** Marking strip optional, consult factory.

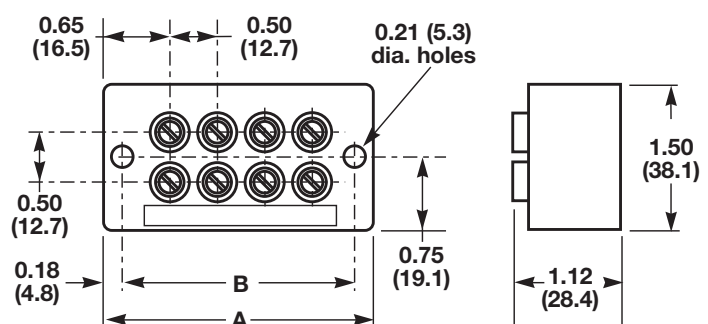
**Agency Information:** UL File E62622, CSA File 47235

| Part Number | A    | B    |
|-------------|------|------|
| 14004-2     | 1.81 | 1.43 |
| 14004-3     | 2.31 | 1.93 |
| 14004-4     | 2.81 | 2.43 |
| 14004-5     | 3.31 | 2.93 |
| 14004-6     | 3.81 | 3.43 |
| 14004-7     | 4.31 | 3.93 |
| 14004-8     | 4.81 | 4.43 |
| 14004-9     | 5.31 | 4.93 |
| 14004-10    | 5.81 | 5.43 |
| 14004-11    | 6.31 | 5.93 |
| 14004-12    | 6.81 | 6.43 |

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.



Dimensions - in (mm)





## Series 160, 162, 163 & 165

### Splicer Terminal Blocks

#### SPECIFICATIONS

**Rating:** To 620A, 600V; UL/CSA. See table.

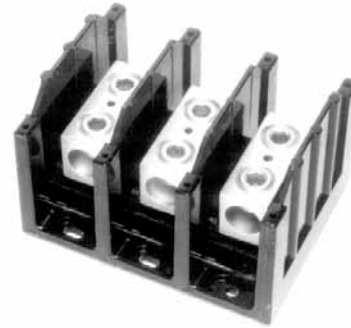
**Materials:** Molded material: Black,  
UL rated 94V0 thermoplastic

**Operating Temperature:** 150°C

**Marking:** Marker strip is optional, consult factory.

**Agency Information:** UL 221592; General Industrial Class  
per UL 1059; CSA LR053787; CE Certified

**Covers:** See page 134



160 Series only

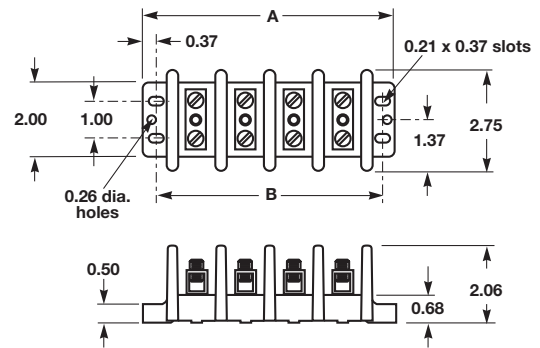
| Part Number | Line Connection     | Load Connection     | Connector Material & Ampacity | Agency Approvals |
|-------------|---------------------|---------------------|-------------------------------|------------------|
| *16000      | 2/0-#8CU-AL         | 2/0-#8CU-AL         | AL-175A                       | UL -             |
| *16003      | 250k cmil-#6CU only | 250k cmil-#6CU only | CU-255A                       | UL -             |
| *16005      | 350k cmil-#6CU/AL   | 350k cmil-#6CU/AL   | AL-310A                       | UL -             |
| 16200       | #2-#14CU, #2-#8AL   | #2-#14CU, #2-#8AL   | AL-115A                       | UL/CSA           |
| 16201       | 1/0-#14CU Only      | 1/0-#14CU Only      | CU-150A                       | UL/CSA           |
| 16204       | 2/0-#8CU-AL         | 2/0-#8CU-AL         | AL-175A                       | UL/CSA           |
| 16301       | 250cmil-#6CU Only   | 250cmil-#6CU Only   | CU-255A                       | UL/CSA           |
| 16303       | 350cmil-#6CU/AL     | 350cmil-#6CU/AL     | AL-310A                       | UL/CSA           |
| 16306       | 500cmil-#6CU/AL     | 500cmil-#6CU/AL     | AL-380A                       | UL/CSA           |
| 16500       | 250cmil-#4CU/AL     | 250cmil-#4CU/AL     | AL-620A                       | UL/CSA           |
| 16504       | 500Mcmil-#6CU/AL    | 500Mcmil-#6CU/AL    | AL-760A                       | UL/CSA           |

\* 160 Series Bases have mounting holes outside the barriers. Other bases (162 through 165) have mounting holes within barriers. See dimensional drawings.

② Openings per pole.

| No. of Poles | A    | B    |
|--------------|------|------|
| 2            | 4.12 | 3.62 |
| 3            | 5.37 | 4.87 |
| 4            | 6.62 | 6.12 |

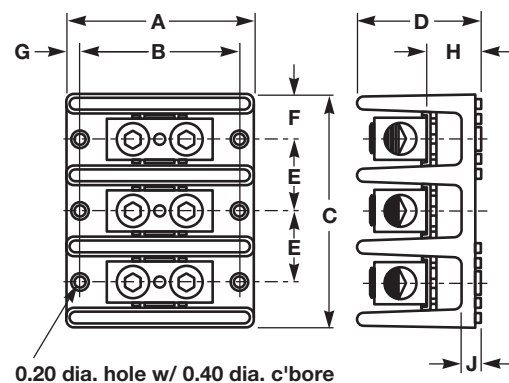
Dimensions - in



| Series | A    | B    | C 1-pole | C 2-pole | C 3-pole |
|--------|------|------|----------|----------|----------|
| 162    | 2.87 | 2.25 | 1.06     | 1.87     | 2.68     |
| 163    | 4.00 | 3.37 | 1.98     | 3.60     | 5.21     |
| 165    | 5.50 | 4.75 | 3.12     | 5.81     | 8.50     |

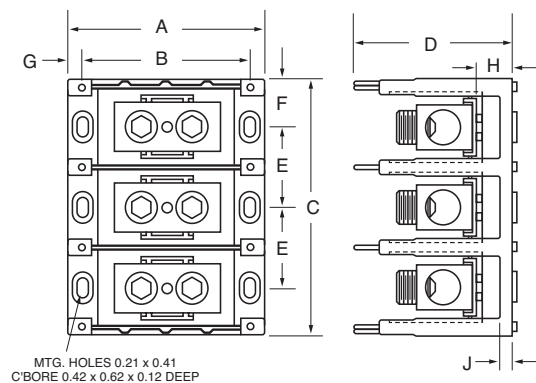
| Series | D    | E    | F    | G    | H    | J    |
|--------|------|------|------|------|------|------|
| 162    | 1.75 | 0.81 | 0.53 | 0.31 | 0.84 | 0.31 |
| 163    | 3.32 | 1.62 | 0.97 | 0.31 | 0.87 | 0.35 |
| 165    | 3.12 | 2.68 | 1.56 | 0.37 | 1.37 | 0.62 |

Dimensions - in



162 Series

Dimensions - in



163 Series

## Series PDBFS

### Power Distribution Blocks

#### Feature/Benefits

- Enclosed, safer installation; IP-20 finger-safe under specific conditions
- High Short-Circuit Current Ratings up to 200,000A: PDBs do not have to be the weak link in achieving high SCCR for an industrial control panel
- Small footprint saves panel space
- Listed to UL1953 which has minimum spacing requirements at 600V of at least 1" through air and 2" over surface required for feeders in UL UL508A Industrial Control Panels
- For 2D CAD drawings visit [www.cooperbussmann.com](http://www.cooperbussmann.com)



#### Agency/Standards

- UL Listed 1953, Guide QPQS, File E256146
- CSA Certified, Class 6228-01, File 15364
- CE component IEC 60947-7-1
- IEC 60529, IP-20 (Finger Safe) under specific wiring conditions

#### Electrical

- 600Vac or dc (UL 1953), 690Vac or dc (IEC)
- IP-20 Finger Safe under specific conditions
- Short-Circuit Current Ratings up to 200,000kA, see table
- Ampacities up to 760 Amps
- CU Wire range 14 AWG to 500 kcmil or 2.5 to 240 mm<sup>2</sup>

#### Mechanical

- DIN rail or panel mount; PDBFS330 & PDBFS504 panel mount only
- Captive termination screws; screws do not get misplaced
- Wire ready: captive termination screws shipped backed out to save time on conductor installations
- Sliding DIN rail latch for easy mounting
- Single pole, gang mountable for multiple pole applications with interlocking dovetail accessory (optional)
- Flammability, UL 94V0
- Tin-plated AL connectors suitable for CU conductors
- Elongated hole for panel mounting; easier mounting with greater flexibility in matching up with drilled panel holes
- Part 2A1279: Interlocking dovetail pin accessory  
One pin interlocks two units, two pins to interlock three units
- DIN rail end anchors required to prevent damage to block when torquing

### Series PDBFS

|                                     |      | Terminal Copper Conductor Capability         |                                              |                   | Short-Circuit Current Rating Data |                      |                        |                     |                      |                     |                         |
|-------------------------------------|------|----------------------------------------------|----------------------------------------------|-------------------|-----------------------------------|----------------------|------------------------|---------------------|----------------------|---------------------|-------------------------|
| Catalog Number<br>(All Single Pole) | Amps | Line                                         | Load                                         | Configuration     | Conductors                        |                      | Max Fuse Class & Amp** |                     |                      |                     | SCCR                    |
|                                     |      | Wire Range                                   | Wire Range                                   | Openings per Pole | Line                              | Load                 | J                      | T                   | RK1                  | RK5                 |                         |
|                                     |      |                                              |                                              | Line Load         | AWG or kcmil                      | AWG or kcmil         | LPJ                    | JJS JJN             | LPS-RK LPN-RK        | FRS-R FRN-R         |                         |
| PDBFS204                            | 175A | 2/0 - 8 AWG<br>70 - 10 mm <sup>2</sup>       | 2/0 - 8 AWG<br>70 - 10 mm <sup>2</sup>       |                   | 2/0 - 8                           | 2/0 - 8              | 200                    | 200                 | 100                  | 60                  | 200kA                   |
| PDBFS220                            | 175A | 2/0 - 8 AWG<br>70 - 10 mm <sup>2</sup>       | 4 - 14 AWG<br>25 - 2.5 mm <sup>2</sup>       |                   | 2/0 - 8                           | 4 - 12<br>4 - 14     | 200<br>175†<br>200†    | 200<br>175†<br>200† | 100†<br>100†<br>100† | 60†<br>60†<br>60†   | 200kA<br>100kA<br>50kA  |
| PDBFS303                            | 310A | 350kcmil - 6 AWG<br>150 - 16 mm <sup>2</sup> | 350kcmil - 6 AWG<br>150 - 16 mm <sup>2</sup> |                   | 350 - 6                           | 350 - 6              | 400                    | 400                 | 200                  | 100                 | 200kA                   |
| PDBFS330                            | 380A | 500kcmil - 6 AWG<br>240 - 16 mm <sup>2</sup> | 2 - 14 AWG<br>35 - 2.5 mm <sup>2</sup>       |                   | 500 - 6                           | 2 - 6<br>2 - 14      | 400<br>200†<br>175†    | 400<br>200†<br>175† | 200†<br>100†<br>100† | 100†<br>30†<br>30†  | 200kA<br>50kA<br>100kA  |
| PDBFS377                            | 570A | 300kcmil - 4 AWG<br>150 - 12 mm <sup>2</sup> | 4 - 14 AWG<br>25 - 2.5 mm <sup>2</sup>       |                   | 300<br>300 - 4                    | 4 - 8<br>4<br>4 - 14 | 600<br>600†<br>200†    | 600<br>600†<br>200† | 400†<br>400†<br>100† | 200†<br>200†<br>30† | 200kA<br>50kA<br>50kA   |
| PDBFS500                            | 620A | 350kcmil - 4 AWG<br>185 - 12 mm <sup>2</sup> | 350kcmil - 4 AWG<br>185 - 12 mm <sup>2</sup> |                   | 350<br>350 - 4                    | 350<br>350 - 4       | 600<br>600             | 600<br>800          | 400<br>600           | 200<br>200          | 200kA<br>100kA          |
| PDBFS504                            | 760A | 500kcmil - 6 AWG<br>240 - 16 mm <sup>2</sup> | 500kcmil - 6 AWG<br>240 - 16 mm <sup>2</sup> |                   | 500<br>500 - 6                    | 500<br>500 - 6       | 600<br>600             | 800*<br>800*        | 600<br>600           | 400<br>600          | 200kA<br>100kA<br>100kA |

Ampacities 75C per NEC® Table 310.16 and UL508A Table 28.1

\*Class L 800A (KRP-C 800\_SP) or less fuses suitable for this particular SCCR case.

\*\* Class G 60A (SC-60) or less or Class CC 30A (LP-CC-30, FNQ-R-30, KTK-R-30) or less are suitable for all these SCCRs in this table.

† Higher SCCR may be available, check latest datasheet 1149.

## Series 160, 162, 163 & 165

### Power Distribution Blocks

#### SPECIFICATIONS

**Rating:** To 840A, 600V; UL/CSA. See table.

**Materials:** Molded material: Black,  
UL rated 94V0 thermoplastic

**Operating Temperature:** 150°C

**Marking:** Marker strip is optional, consult factory.

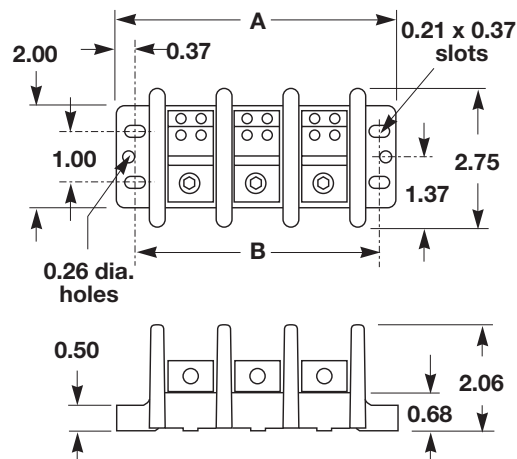
**Agency Information:** UL 221592; General Industrial Class per  
UL 1059; CSA LR053787; CE Certified

**Covers:** See page 134



#### 160 Series only

| No. of Poles | A    | B    |
|--------------|------|------|
| 2            | 4.12 | 3.62 |
| 3            | 5.37 | 4.87 |
| 4            | 6.62 | 6.12 |



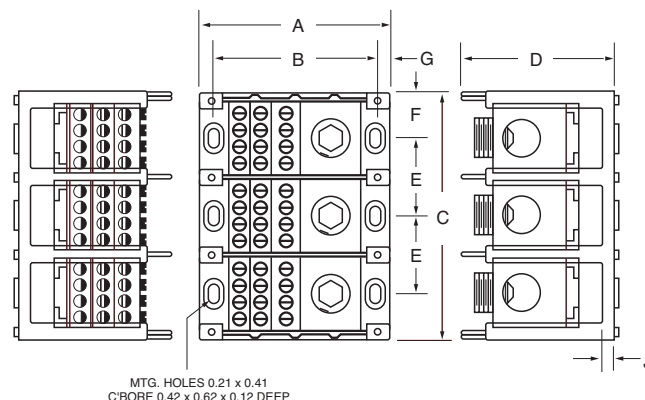
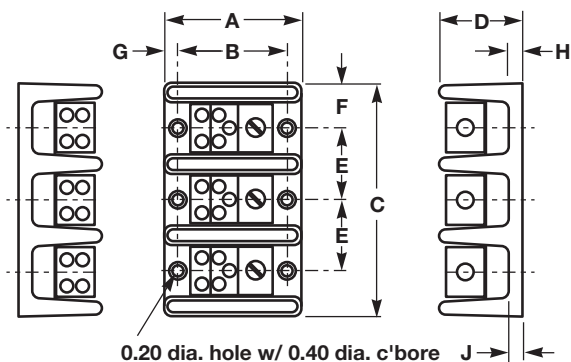
| Part Number | Line Connection      | Load Connection      | Connector Material & Ampacity | Agency Approvals |
|-------------|----------------------|----------------------|-------------------------------|------------------|
| *16021      | 2/0-#14CU, 2/0-#8AL  | ④#4-14CU, #4-#8AL    | AL-175A                       | UL/CSA           |
| *16023      | 350kcmil-#6CU/AL     | ④#4-14CU, #4-#12AL   | AL-310A                       | UL/CSA           |
| 16220       | 2/0-#14CU, 2/0-#8AL  | ④#4-14CU, #4-#8AL    | AL-175A                       | UL/CSA           |
| 16321       | 2/0-#14CU, 2/0-#8AL  | ④#4-14CU, #4-#8AL    | AL-175A                       | UL/CSA           |
| 16323       | 350kcmil-#6CU/AL     | ④#4-14CU, #4-#12AL   | AL-310A                       | UL/CSA           |
| 16325       | ②2/0-#14CU, 2/0-#8AL | ④#4-14CU, #4-#8AL    | AL-350A                       | UL/CSA           |
| 16330       | 500kcmil-#6CU/AL     | ④#2-#14CU, #2-#12AL  | AL-380A                       | UL/CSA           |
| 16332       | 350kcmil-#6CU/AL     | ④#2-#14CU, #2-#8AL   | AL-310A                       | UL/CSA           |
| 16335       | 500kcmil-#6CU/AL     | ②1/0-#14CU, 1/0-#8AL | AL-380A                       | UL/CSA           |
| 16370       | 350kcmil-#6CU/AL     | ④#2-#14CU, #2-#8AL   | AL-310A                       | UL/CSA           |
| 16371       | 350kcmil-#6CU/AL     | ②1/0-#14CU, 1/0-#8AL | AL-310A                       | UL/CSA           |
| 16372       | 350kcmil-#6CU/AL     | ④#4-#14CU, #4-#12AL  | AL-310A                       | UL/CSA           |
| 16373       | 350kcmil-#6CU/AL     | ④#2-#14CU, #2-#8AL   | AL-310A                       | UL/CSA           |
| 16375       | 600kcmil-#2CU/AL     | ②1/0-#14CU, #10AL    | AL-420A                       | UL/CSA           |
| 16376       | 600kcmil-#2CU/AL     | ④#4-#14CU, #4-#12AL  | AL-420A                       | UL/CSA           |
| 16377       | ③300kcmil-#4CU/AL    | ④#2-#14CU, #2-8AL    | AL-570A                       | UL/CSA           |
| 16528       | ③600kcmil-#2CU/AL    | ②1/0-#14CU, 1/0-#8AL | AL-840A                       | UL/CSA           |
| 16530       | ③500kcmil-#6CU/AL    | ④3/0-#6CU/AL         | AL-760A                       | UL/CSA           |

\* 160 Series Bases have mounting holes outside the barriers. Other bases (162 through 165) have mounting holes within barriers. See dimensional drawings.

① Openings per pole.

| Series | A    | B    | C<br>1-pole | C<br>2-pole | C<br>3-pole |
|--------|------|------|-------------|-------------|-------------|
| 162    | 2.87 | 2.25 | 1.06        | 1.87        | 2.68        |
| 163    | 4.00 | 3.37 | 1.98        | 3.60        | 5.21        |
| 165    | 5.50 | 4.75 | 3.12        | 5.81        | 8.50        |

| Series | D    | E    | F    | G    | H    | J    |
|--------|------|------|------|------|------|------|
| 162    | 1.75 | 0.81 | 0.53 | 0.31 | 0.84 | 0.31 |
| 163    | 3.32 | 1.62 | 0.97 | 0.31 | 0.87 | 0.35 |
| 165    | 3.12 | 2.68 | 1.56 | 0.37 | 1.37 | 0.62 |



## Series 162, 163 & 165

### Connector/Stud Power Distribution Blocks

#### SPECIFICATIONS

**Rating:** To 760A, 600V; UL/CSA. See table.

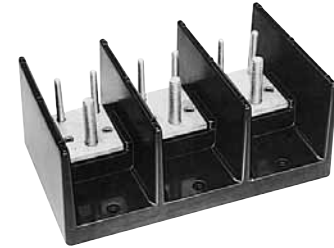
**Materials:** Molded material: Black, UL rated 94V0 thermoplastic

**Operating Temperature:** 150°C

**Marking:** Marker strip is optional, consult factory.

**Agency Information:** UL 221592; General Industrial Class per UL 1059; CSA LR053787; CE Certified

**Covers:** See page 134

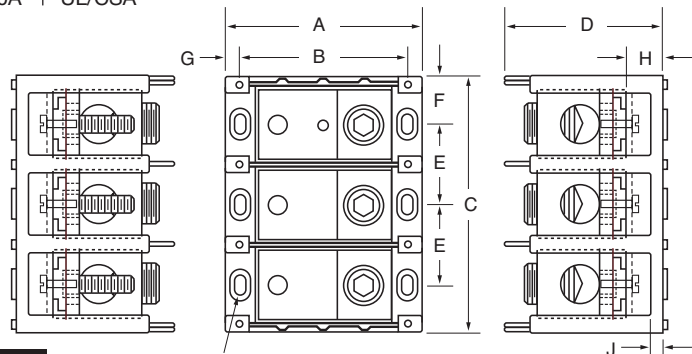


| Part Number              | Line Connection    | Load Connection    | Connector Material & Ampacity | Agency Approvals |
|--------------------------|--------------------|--------------------|-------------------------------|------------------|
| <b>Connector to Stud</b> |                    |                    |                               |                  |
| 16280                    | 2/0-#14CU/AL       | 1/4-20x3/4 Stud    | AL-175A                       | UL               |
| 16281                    | 2/0-#14CU/AL       | 1/4-20 Tapped hole | AL-175A                       | UL               |
| 16378                    | 500kcmil-#6CU/AL   | 1/4-20x1 Stud      | AL-380A                       | UL/CSA           |
| 16383                    | 500kcmil-#6CU/AL   | 3/8-16x1 Stud      | AL-380A                       | UL/CSA           |
| 16582                    | 500kcmil-#6CU/AL   | 3/8-16x1 5/8 Stud  | AL-760A                       | UL/CSA           |
| <b>Stud to Stud</b>      |                    |                    |                               |                  |
| 16290                    | 1/4-20x3/4 Stud    | 1/4-20x3/4 Stud    | Cu-175A                       | UL               |
| 16390                    | 3/8-16x1 1/8 Stud  | 3/8-16x1 1/8 Stud  | CU-250A                       | UL/CSA           |
| 16394                    | 1/2-13x1 1/16 Stud | 1/2-13x1 1/16 Stud | CU-400A                       | UL/CSA           |
| 16395                    | 3/8-16x1 1/16 Stud | 1/4-20x9/16 Stud   | CU-310A                       | UL/CSA           |
| 16591                    | 3/8-16x1 1/16 Stud | 3/8-16x1 1/16 Stud | CU-400A                       | UL/CSA           |
| 16593                    | 1/2-13x1 Stud      | 1/2-13x1 Stud      | CU-600A                       | UL/CSA           |

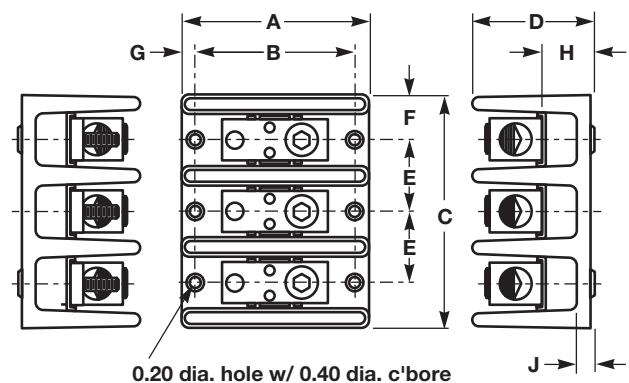
<sup>1)</sup> Openings per pole.

| Series | A    | B    | C 1-pole | C 2-pole | C 3-pole |
|--------|------|------|----------|----------|----------|
| 162    | 2.87 | 2.25 | 1.06     | 1.87     | 2.68     |
| 163    | 4.00 | 3.37 | 1.98     | 3.60     | 5.21     |
| 165    | 5.50 | 4.75 | 3.10     | 5.79     | 8.48     |

| Series | D    | E    | F    | G    | H    | J    |
|--------|------|------|------|------|------|------|
| 162    | 1.75 | 0.81 | 0.53 | 0.31 | 0.84 | 0.31 |
| 163    | 3.32 | 1.62 | 0.97 | 0.31 | 0.87 | 0.35 |
| 165    | 2.93 | 2.68 | 1.55 | 0.37 | 1.19 | 0.44 |



MTG. HOLES 0.21 x 0.41  
C'BORE 0.42 x 0.62 x 0.12 DEEP



Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

**Series EN**

Power Blocks

1.78" Centers

**SPECIFICATIONS****Rating:** 285A, 600V; UL/CSA**Wire Range:** Line Connection: #300MCM-#4 CU/AL

Load Connection: (6) #6-14AWG CU

(6) #8-14 AWG AL

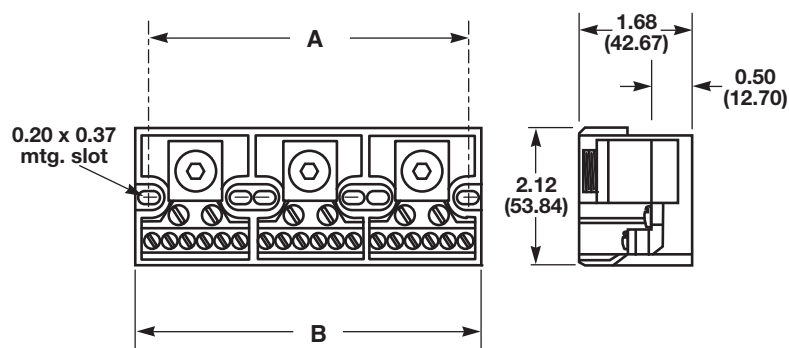
**Material:** Molded material; Black, UL rated

94V2 thermoplastic

**Poles:** 1-3**Operating Temperature:** 125°C**Torque Rating:** 200 lb-in. line terminal, 20 lb-in. load terminal**Agency Information:** UL File E62622, CSA File 47235**Covers:** Not available

| Series         | A    | B    |
|----------------|------|------|
| EN61- (1-pole) | 1.38 | 1.78 |
| EN62- (2-pole) | 3.15 | 3.62 |
| EN63- (3-pole) | 4.93 | 5.37 |

Dimensions - in (mm)

**Covers (160, 162, 165 Series)****Part Numbering System**

Series



160

162

165

1 - One Pole Block (162, 165 Series only)

2 - Two Pole Block

3 - Three Pole Block

4 - Four Pole Block (160 Series only)

**Covers (163 Series)****Part Numbering System**

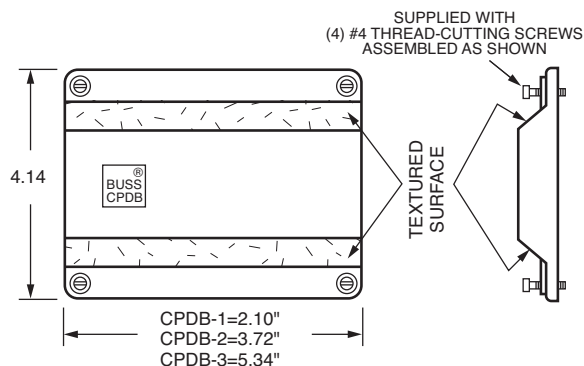
Series



1 - One Pole Block

2 - Two Pole Block

3 - Three Pole Block



Clear with write on surface



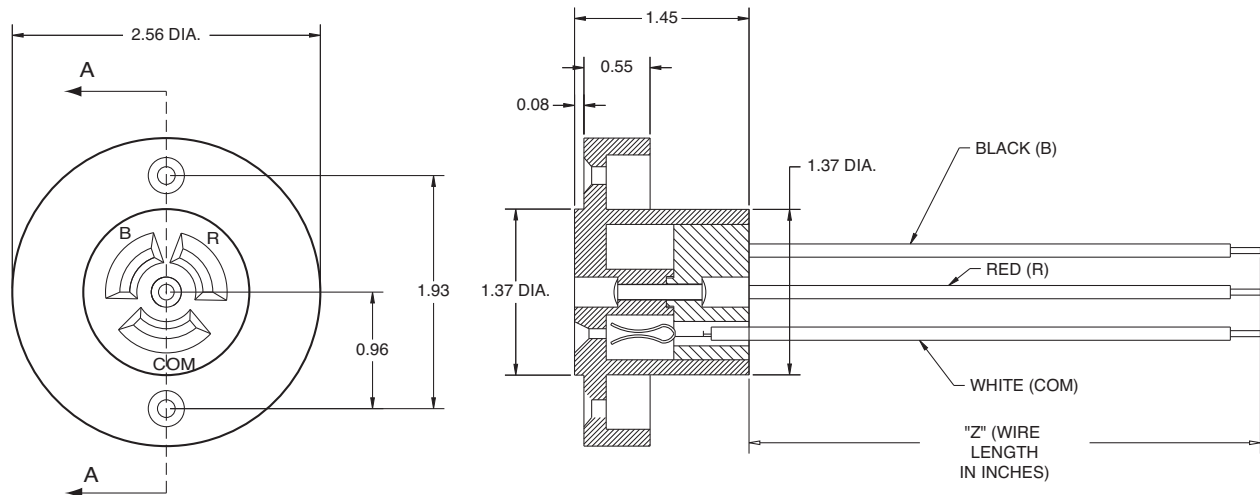
## Photo Control Receptacle Series

### Wire Management Products

- 3-pole, 3-wire receptacles for plug-in, locking type photo controls used in outdoor areas and roadway lighting.
- Receptacle configuration, terminals and limiting dimensions are in accordance with Figure 3 of EE Pub. No. TDJ-146, NEMA Pub. No. SH 16-1962 and UL 773.
- Wire types and sizes ranging from #12 AWG through 16 AWG rated at 600V with temperature ratings from 105° to 200°C. Consult factory for other wire colors.
- Hook-up wires are an integral part of the assembly with lengths furnished to customer specification.
- UL Recognized under file E65288 for a rating of 1kW or 1800VA for potentials up to 480V.
- CSA certified under file LR21295 for 15 amps at 125V.
- CE Certified.



#### Dimensions - in



### Part Numbering System

#### Series

**13661**

#### Terminal Type

**W**

W - wire

#### Wire Type



See Table I

#### Wire Gauge



See Table II

#### Wire Length



Dimension "Z"\*

\* Min 4"

**TABLE I (Wire Type)**

| Ass'y No.  | Wire Description                                                                                                              |
|------------|-------------------------------------------------------------------------------------------------------------------------------|
| 13661-W1XX | Min. of 26 Strands, Copper Conductor, 125°C-600V Crosslinked Polyethylene.                                                    |
| 13661-W2XX | Min. of 26 Strands, Copper Conductor, Silicone Rubber Insulation and Fiber Glass Braid Jacket, Nec. Type SFF-2(150°C)         |
| 13661-W3XX | Min. of 26 Strands, Copper Conductor, Type TW, 105°C-600V Insulation (16 gauge only)                                          |
| 13661-W4XX | Min. of 7 Strands, Copper Conductor of 0.0192 Silicone Rubber Insulation and Fiber Glass Braid Jacket, Nec. Type SF-2 (200°C) |
| 13661-W5XX | Min of 19 Strands, Copper Conductor, Type AWM. 105°C-600V Insulation                                                          |

**TABLE II (Wire Gauge)**

| Ass'y No.  | Wire Gauge |
|------------|------------|
| 13661-W2XX | 12 Gauge   |
| 13661-W4XX | 14 Gauge   |
| 13661-W6XX | 16 Gauge   |

## Stud Type Junction Blocks (Non-Feed Thru)



## Series C4559 & C6083

### SPECIFICATIONS

**Rating:** 30A, 600V

**Operating Temperature:** 250°F (120°C)

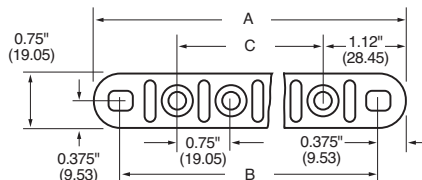
**Standards:** 2 to 16 steel studs with #10-24 threads on 0.750" centers and a "dog point" to guide nut onto thread.

**Torque Rating:** 20 lb-in (25 lb-in).

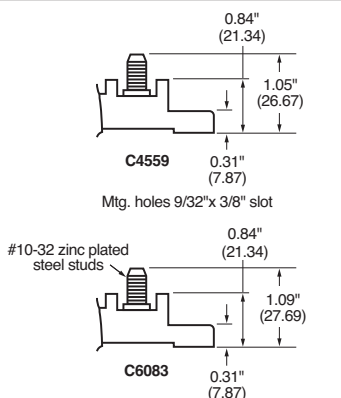
**Marking:** Numbers and arrows molded on top of barriers indicate terminals.

**Agency Information:** CSA File 15364

### Dimensions - in (mm)



Other series available with 0.750" centers:



(A,B,C Dimensions are the same as C4559)

| Part No.-Poles | A             | B             | C             |
|----------------|---------------|---------------|---------------|
| C4559-2        | 3.00 (76.2)   | 2.25 (57.1)   | 0.75 (19.0)   |
| C4559-3        | 3.75 (95.2)   | 3.00 (76.2)   | 1.50 (38.1)   |
| C4559-4        | 4.50 (114.3)  | 3.75 (95.2)   | 2.25 (57.1)   |
| C4559-5        | 5.25 (133.3)  | 4.50 (114.3)  | 3.00 (76.2)   |
| C4559-6        | 6.00 (152.4)  | 5.25 (133.3)  | 3.75 (95.2)   |
| C4559-7        | 6.75 (171.4)  | 6.00 (152.4)  | 4.50 (114.3)  |
| C4559-8        | 7.50 (190.5)  | 6.75 (171.4)  | 5.25 (133.3)  |
| C4559-9        | 8.25 (209.5)  | 7.50 (190.5)  | 6.00 (152.4)  |
| C4559-10       | 9.00 (228.6)  | 8.25 (209.5)  | 6.75 (171.4)  |
| C4559-11       | 9.75 (247.6)  | 9.00 (228.6)  | 7.50 (190.5)  |
| C4559-12       | 10.50 (266.7) | 9.75 (247.6)  | 8.25 (209.5)  |
| C4559-13       | 11.25 (285.7) | 10.50 (266.7) | 9.00 (228.6)  |
| C4559-14       | 12.00 (308.4) | 11.25 (285.7) | 9.75 (247.6)  |
| C4559-15       | 12.75 (323.8) | 12.00 (308.4) | 10.50 (266.7) |
| C4559-16       | 13.50 (342.9) | 12.75 (323.8) | 11.25 (285.7) |

## Series C5237 & JB1032

### SPECIFICATIONS

**Rating:** UL: 30A, 300V; CSA: 30A, 600V.

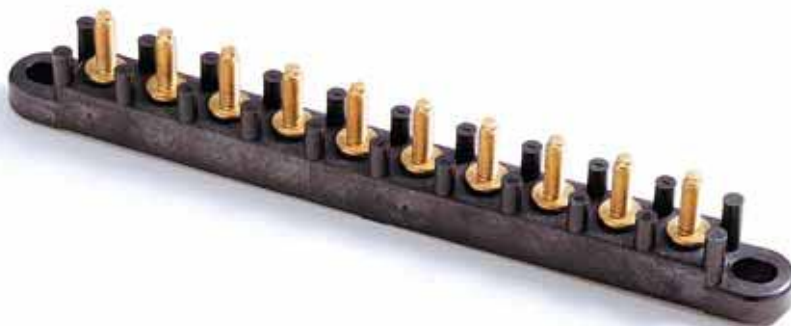
**Operating Temperature:** 250°F (120°C)

**Standards:** 1 to 15 brass studs on 0.625" centers with #10-32 thread and a "dog point" to guide nut onto thread.

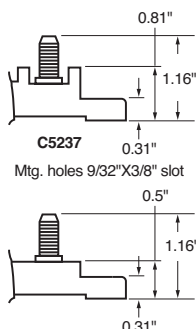
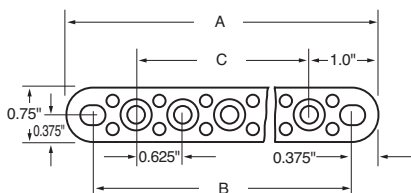
**Torque Rating:** 20 lb-in (25 lb-in).

**Marking:** Numbers and arrows molded on top of barriers indicate terminals.

**Agency Information:** CSA File 15364



### Dimensions - in (mm)



**JB1032-120-XX**  
(No bosses between studs)  
(A,B,C Dimensions are the same as C5237)

| Part No.-Poles | A             | B             | C            |
|----------------|---------------|---------------|--------------|
| C5237-1        | 2.00 (50.8)   | 1.25 (31.7)   | -            |
| C5237-2        | 2.62 (66.7)   | 1.87 (47.5)   | 0.625 (15.9) |
| C5237-3        | 3.25 (82.5)   | 2.50 (63.4)   | 1.25 (31.7)  |
| C5237-4        | 3.87 (98.4)   | 3.12 (79.4)   | 1.87 (47.5)  |
| C5237-5        | 4.50 (114.3)  | 3.75 (95.2)   | 2.50 (63.4)  |
| C5237-6        | 5.12 (130.8)  | 4.37 (111.1)  | 3.12 (79.4)  |
| C5237-7        | 5.75 (146.0)  | 5.00 (127.0)  | 3.75 (95.2)  |
| C5237-8        | 6.37 (161.9)  | 5.62 (142.9)  | 4.37 (111.1) |
| C5237-9        | 7.00 (177.8)  | 6.25 (158.7)  | 5.00 (127.0) |
| C5237-10       | 7.62 (193.7)  | 6.87 (174.6)  | 5.62 (142.9) |
| C5237-11       | 8.25 (209.5)  | 7.50 (190.5)  | 6.25 (158.7) |
| C5237-12       | 8.87 (225.4)  | 8.12 (206.4)  | 6.87 (174.6) |
| C5237-13       | 9.50 (241.3)  | 8.75 (222.2)  | 7.50 (190.5) |
| C5237-14       | 10.12 (257.2) | 9.37 (238.1)  | 8.12 (206.4) |
| C5237-15       | 10.75 (273.0) | 10.00 (254.0) | 8.75 (222.2) |



## Stud Type Junction Blocks

### SPECIFICATIONS

**Material:** Studs on non-feed-thrus are steel plated; feed-thrus are copper alloy.

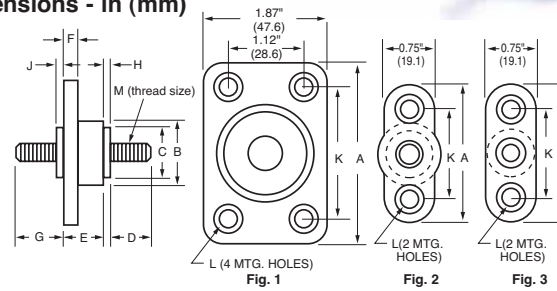
**Applications:** Heavy-duty ground or power connection points in AC or DC circuits. Feed-thru or stand alone mount options available for transformers, communication and computer power sections along with various vehicle electrical systems.

**Benefits:** Modular design offers design and manufacturing flexibility.

### Suggested Max. Termination Ratings:

| Thread/Stud Sz. | Max. Amps |
|-----------------|-----------|
| #10             | 50        |
| #1/4 & M6       | 100       |
| #5/16           | 200       |
| #3/8            | 250       |
| #1/2            | 400       |

Dimensions - in (mm)



| Part      | Fig. | A              | B              | C              | D              | E              | F            | G              | H            | J            | K              | L                                        | M       | Max. Torque (in-lb) | Material                             | Color |
|-----------|------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|--------------|--------------|----------------|------------------------------------------|---------|---------------------|--------------------------------------|-------|
| C1925*    | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic /<br>Zinc-plated Brass | Red   |
| C1925B*   | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic /<br>Zinc-plated Brass | Black |
| C1925-1*  | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic /<br>Tin-plated Brass  | Red   |
| C1925-1B* | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic /<br>Tin-plated Brass  | Black |
| C1925-2*  | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 3/8-16  | 150                 | Thermoplastic /<br>Tin-plated Brass  | Red   |
| C1925-2B* | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia.<br>C'bore x .16 deep | 3/8-16  | 150                 | Thermoplastic /<br>Tin-plated Brass  | Black |
| C1933     | 1    | 2.75<br>(69.8) | 1.44<br>(36.3) | 1.25<br>(31.7) | 1.5<br>(38.1)  | 1.12<br>(28.6) | .37<br>(9.5) | None           | .19<br>(4.8) | None         | 2.0<br>(50.8)  | .22 dia.                                 | 1/2-13  | 300                 | Thermoplastic /<br>Zinc-plated Brass | Black |
| C1933-1   | 1    | 2.75<br>(69.8) | 1.44<br>(36.3) | 1.25<br>(31.7) | 1.5<br>(38.1)  | 1.12<br>(28.6) | .37<br>(9.5) | None           | .19<br>(4.8) | None         | 2.0<br>(50.8)  | .22 dia.                                 | 5/16-18 | 75                  | Thermoplastic /<br>Zinc-plated Brass | Black |
| C1938*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Brass | Black |
| C1938R*   | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Brass | Red   |
| C1938-1*  | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 5/16-18 | 75                  | Thermoplastic /<br>Tin-plated Brass  | Black |
| C1938-1R* | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 5/16-18 | 75                  | Thermoplastic /<br>Tin-plated Brass  | Red   |
| C2791*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | .69<br>(17.5)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic /<br>Zinc-plated Brass | Black |
| C2791-R*  | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | .69<br>(17.5)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic /<br>Zinc-plated Brass | Red   |
| C2909*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | 1.0<br>(25.4)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 10-32   | 24                  | Thermoplastic /<br>Zinc-plated Brass | Black |
| C2909-1*  | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | 1.0<br>(25.4)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic /<br>Zinc-plated Brass | Black |
| C4044*    | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Brass | Black |
| C4044-1*  | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Tin-plated Brass  | Black |
| C4044-1R* | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Tin-plated Brass  | Red   |
| C5898*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Brass | Red   |
| C6344-2   | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 1/2-20  | 150                 | Thermoplastic /<br>Zinc-plated Steel | Black |
| C7018*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .47<br>(11.9)  | .69<br>(17.5)  | .31<br>(7.9) | .53<br>(13.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | M6      | 55                  | Thermoplastic /<br>Zinc-plated Steel | Black |
| C7020*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .88<br>(22.2)  | .69<br>(17.5)  | .31<br>(8.0) | 1.25<br>(31.8) | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Brass | Red   |
| JB3816-2  | 2    | 2.12<br>(54.0) | .98<br>(24.9)  | .62<br>(15.9)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.37<br>(34.9) | .22 dia. w/.37 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Steel | Black |
| JB3816-3  | 2    | 2.12<br>(54.0) | .98<br>(24.9)  | .62<br>(15.9)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.37<br>(34.9) | .22 dia. w/.37 dia.<br>C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic /<br>Zinc-plated Steel | Red   |

\*Feed-thru Options - Nuts & washers; consult factory.

## Series C7021

### Power Feed Thru Terminal Block

#### APPLICATIONS

The C7021 terminal block is intended for use in applications requiring up to 175A utilizing a 2-hole compression lug on 5/8" centers. It is ideal for use as an input/output block for telecommunications power panels, or anywhere in which eliminating busbars would be an advantage.

#### SPECIFICATIONS

**Ratings:** 175A\* per pole, 300V.

**Center Spacing:** 0.690" (17.5mm)

**Wire Range:** AWG #2/0-8

**Material:** UL 94V0 Thermoplastic

**Number of Poles:** 2- to 6-pole

**Bolt Hole Spacing:** 0.625" (15.88mm)

**Stud:** Standard 1/4-20 stud or optional M6 stud.

**Mounting:** Optional mounting ears.

**Stud Material:** Brass, Tin-Plated.

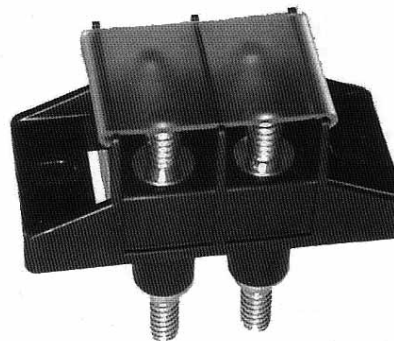
**Torque Rating:** 36 lb-in

**Operating Temperature:** 130°C

**Accessories:** Dead-Front covers (CSB7021-XX)

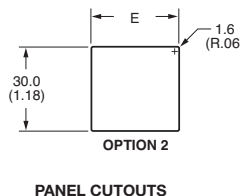
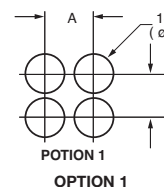
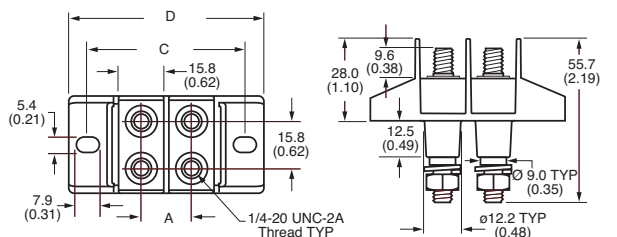
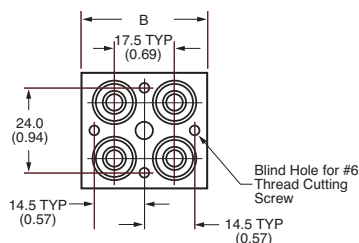
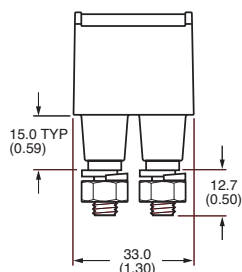
**Agency Information:** UL File E62622

\*175 achieved using both studs in parallel, 115A using a single stud per line.



Dimensions - mm (in)

| Part No.    | A           | B            | C            | D            | E            |
|-------------|-------------|--------------|--------------|--------------|--------------|
| C7021-01-X  |             |              | 37 (1.45)    | 49.5 (1.95)  | 15 (0.6)     |
| C7021-02-X  | 17.5 (0.69) | -            | 54.4 (2.14)  | 67.3 (2.65)  | 31.8 (1.25)  |
| C7021-03-X  | 34.9 (1.37) | -            | 70.9 (2.83)  | 84.8 (3.34)  | 49.2 (1.94)  |
| C7021-04-X  | 52.3 (2.06) | -            | 89.3 (3.52)  | 102.2 (4.02) | 66.7 (2.63)  |
| C7021-05-X  | 69.8 (2.75) | -            | 106.8 (4.20) | 119.7 (4.71) | 84.2 (3.31)  |
| C7021-06-X  | 87.2 (3.44) | -            | 124.2 (4.89) | 134.1 (5.40) | 101.7 (4.00) |
| C7021-01N-X |             |              |              |              |              |
| C7021-02N-X | 17.5 (0.69) | 36.1 (1.42)  | -            | -            | 31.8 (1.25)  |
| C7021-03N-X | 34.9 (0.69) | 53.5 (2.11)  | -            | -            | 49.2 (1.94)  |
| C7021-04N-X | 52.3 (2.06) | 71.0 (2.80)  | -            | -            | 66.7 (2.63)  |
| C7021-05N-X | 69.8 (2.75) | 88.4 (3.48)  | -            | -            | 84.2 (3.31)  |
| C7021-06N-X | 87.2 (3.44) | 105.9 (4.17) | -            | -            | 101.7 (4.00) |



## Part Numbering System

Inches (Millimeters)

#### Series

C7021

#### Poles

— □ □

- 01 - 1 pole (2 studs)
- 02 - 2 pole (4 studs)
- 03 - 3 pole (6 studs)
- 04 - 4 pole (8 studs)
- 05 - 5 pole (10 studs)
- 06 - 6 pole (12 studs)

#### Mount Ends

□

- Blank - Mount ends
- N - No mount ends

#### Studs

□ □ —

- Blank - Standard
- M6 - M6 studs

#### Hardware

□

- Blank - No hardware
- 0 - Bulk pack, one set
- 1 - Bulk pack, two sets
- 2 - Assembled, bottom
- 3 - Assembled, top
- 4 - Assembled, both sets

**Series C7024****Power Feed Thru Terminal Block****APPLICATIONS**

The C7024 terminal block is intended for use in applications requiring up to 115A utilizing a 2-hole compression lug on 3/4" centers. It is ideal for use as an input/output block for telecommunications power panels, or anywhere in which eliminating busbars would be an advantage.

**SPECIFICATIONS**

**Ratings:** 115A per pole, 600V.

**Center Spacing:** 0.75" (19.1mm)

**Material:** UL 94V0 Thermoplastic

**Wire Range:** AWG #28

**Number of Poles:** 1- to 12-poles

**Bolt Hole Spacing:** 0.75" (19.1mm)

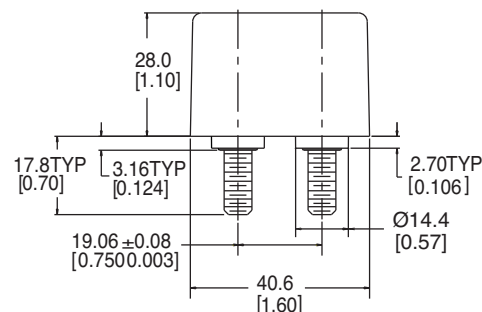
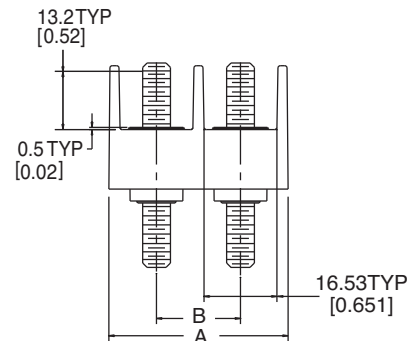
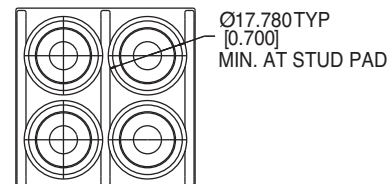
**Stud:** Standard 1/4-28 stud

**Stud Material:** Tin-Plated Bronze.

**Torque Rating:** 36 lb-in

**Operating Temperature:** 130°C

**Agency Information:** UL File E62622

**Dimensions - mm (in)**

| Part Number | "A" Dimension<br>±0.4(±0.02) | "B" Dimension            |
|-------------|------------------------------|--------------------------|
| C7024-01    | 21.6(0.85)                   | -                        |
| C7024-02    | 40.6(1.60)                   | 19.05±0.08(0.750±0.003)  |
| C7024-03    | 59.7(2.35)                   | 38.10(1.500)             |
| C7024-04    | 78.7(3.10)                   | 57.15±0.26(2.250±0.010)  |
| C7024-05    | 97.8(3.85)                   | 76.2(3.00)               |
| C7024-06    | 116.8(4.60)                  | 95.25±0.26(3.750±0.010)  |
| C7024-07    | 135.9(5.35)                  | 114.30±0.38(5.250±0.015) |
| C7024-08    | 154.9(6.10)                  | 133.35±0.38(5.25±0.015)  |
| C7024-09    | 174.0(6.85)                  | 152.40±0.38(6.00±0.015)  |
| C7024-10    | 193.0(7.60)                  | 171.45±0.38(6.750±0.015) |
| C7024-11    | 212.1(8.35)                  | 190.50±0.38(7.500±0.015) |
| C7024-12    | 231.1(9.10)                  | 209.55±0.38(8.250±0.015) |

**Part Numbering System**

Series

**C7024**

Poles

— ☐ ☐

01 – 12

Inches (Millimeters)

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Base & Rail MountPower Distribution  
BlocksWire Management  
ProductsEdge Connectors,  
One-Sided BoardsCompliance  
References

## Series 15133

Depluggable PCB Mount  
Terminal Blocks

### SPECIFICATIONS

**Rating:** 20A, 300V

**Center Spacing:** 0.375" or 3/8" (9.52mm)

**Wire Range:** #12-22 AWG

**Number of Poles:** 7- to 10-poles

**PC Board:** For soldering to PCB (.00015" tin over copper flash)

**Material:** Black, UL Rated 94V0 Thermoplastic

**Screws:** #6-32 zinc-plated steel SEMS

**Torque Rating:** 12 lb-in

**Terminals:** 15133-XX-10-X – Tin or gold plated brass  
15133-XX-20-X – Nickel-or gold-plated copper alloy plug terminal, tin-or gold-plated female terminal

**Operating Temperature:** 221°F (105°C)

**Agency Information:** UL File E62622

### APPLICATIONS

The 15133 is a series of input/output circuit board connectors. Available in a 1-piece or 2-piece design, they stack side-by-side with self-aligning housings to prevent incorrect mating. Both designs feature an integral, living hinge cover that saves the labor of attaching a separate cover. The cover provides a dead front for prevention of electrical contact, yet it also has test probe holes for easy circuit testing.

The 1-piece design is for applications not requiring unplugging the connector. It solders to the printed circuit board. Molded stand-offs ensure good solderability.

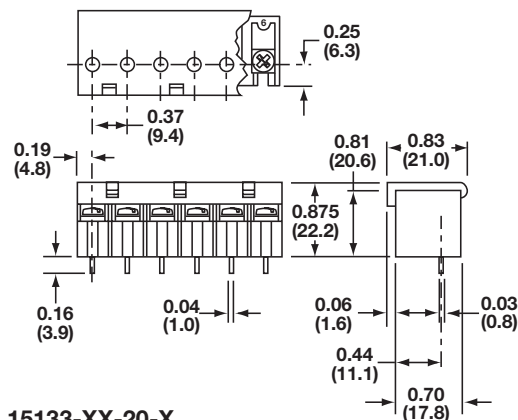
The 2-piece design enables quick connect and disconnect of several circuits at once. It allows fast board changing in the field without shutting down the entire system. The bottom section of the connector solders to the board. Male contacts are shrouded while the female has stand-offs; both are molded into the block. The top section of the connector plugs into the bottom section.



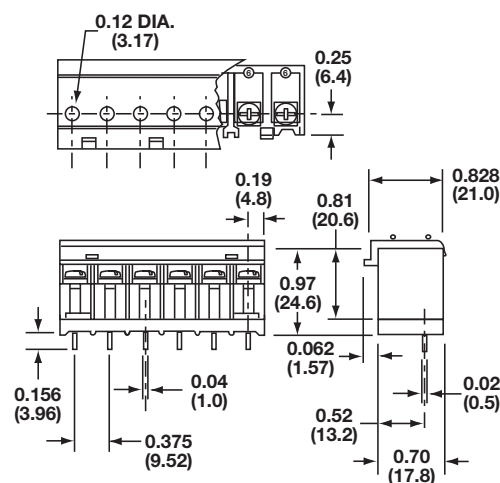
15133-06-20-T

### Dimensions - in (mm)

#### 15133-XX-10-X



#### 15133-XX-20-X



## Part Numbering System

Inches (Millimeters)

**Series**

15133

**Poles**

02 to 10

**Style**

1 - One piece  
2 - Two piece

**Mounting**

0 - No mtg. holes

**Terminal Plating**

T - Tin  
G - Gold\*

\* Consult Factory

## Series 1384X

Edge Connectors –  
1 Sided Boards/Vertical Mount

### SPECIFICATIONS

**Rating:** 10A, 250V

**Center Spacing:** 0.375" or 3/8" (9.52mm)

**Wire Range:** #14-22 AWG CU; entry to PC board at 90° angle.

**Number of Poles:** 4- to 16-poles

**PC Board:** Edge contact accepts standard 1/16" (0.0625) PCB.

**Contacts:** Cantilever design 0.02" thick phosphorus bronze with mating surface tin-plated (0.0002) over copper (0.00005).

**Terminals:** Pressure plate terminals.

**Material:** Black, UL Rated 94V0 Thermoplastic (125°C)

**Operating Temperature:** -55°C to 105°C (212°F)

**Agency Information:** CSA File 47235

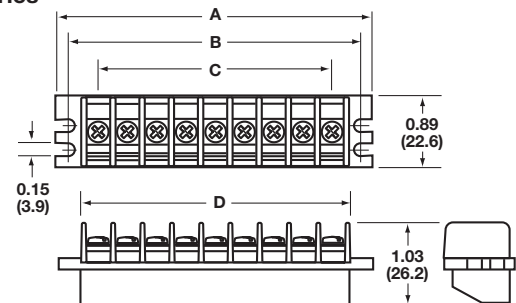
13848-08G02B



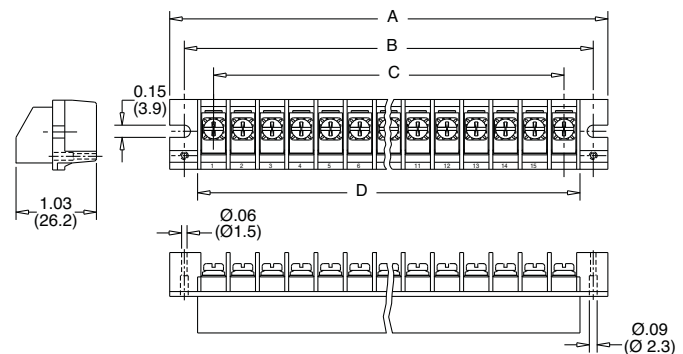
13847-08T02B

### Dimensions - in (mm)

#### 13847 Series



#### 13848 Series



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.  
Optional polarizing key (Part No. C5971) consult with factory.

## Part Numbering System

Inches (Millimeters)

| Series      | Block Style                                                                                                                                                             | Poles                                                                                                                                                                   | Terminal Plating                                                                                                                                                        | Screw Style                                                                          | Block Color                                                                           | Special Options                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>1384</b> |   |   |   |  |  |  |
|             | 7 - Flat mtg. ears w/ 2 slots<br>8 - Mtg. ears w/2 standoffs with hole for mounting strip                                                                               | 04 to 16                                                                                                                                                                | T - Tin over copper<br>G - Gold*                                                                                                                                        | 02 - #6-32 pan head w/ SEMS wire clamp                                               | B - Black                                                                             | M - Marking strip                                                                     |

\* Consult Factory



## Series 15104

### Edge Connectors – 1 Sided Boards / Right Angle Mount

#### SPECIFICATIONS

**Rating:** 10A, 300V

**Center Spacing:** 0.375" or 3/8" (9.52mm)

**Wire Range:** #12-22 AWG CU

**Number of Poles:** 6- to 28-poles

**Screw Size:** #6-32

**Torque Rating:** 12 lb-in

**Terminals:** Pressure plate terminals with screws set at 45° or 90° angle

**PC Board:** Edge contact accepts standard 1/16" (0.0625) PCB

**Contacts:** Tuning fork design of 0.021" thick phosphorus bronze with 0.0001" bright tin-plating

**Material:** Black, UL Rated 94V0 Thermoplastic

**Operating Temperature:** 95°C max.

**Agency Information:** UL File E62622, CSA File 47235



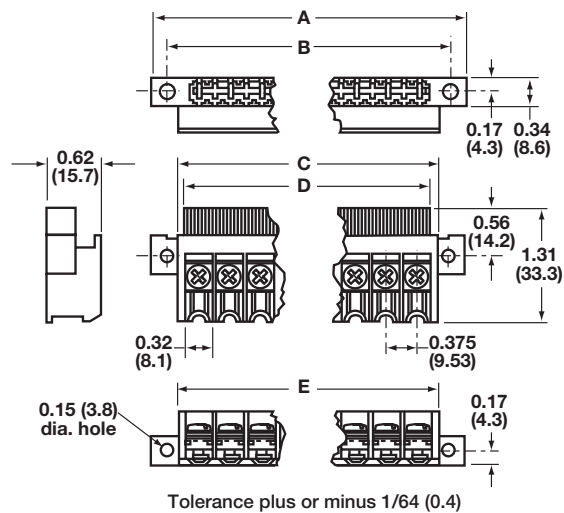
15104-061T1

| Poles | A     | B     | C     | D     | E     | Board Width |
|-------|-------|-------|-------|-------|-------|-------------|
| 06    | 3.00  | 2.62  | 2.00  | 2.16  | 2.36  | 1.99        |
| 08    | 3.75  | 3.37  | 2.75  | 2.91  | 3.11  | 2.74        |
| 10    | 4.50  | 4.12  | 3.50  | 3.66  | 3.86  | 3.49        |
| 12    | 5.25  | 4.87  | 4.25  | 4.41  | 4.61  | 4.24        |
| 14    | 6.00  | 5.62  | 5.00  | 5.16  | 5.36  | 4.99        |
| 16    | 6.75  | 6.37  | 5.75  | 5.91  | 6.11  | 5.74        |
| 18    | 7.50  | 7.12  | 6.50  | 6.66  | 6.86  | 6.49        |
| 20    | 8.25  | 7.87  | 7.25  | 7.41  | 7.61  | 7.23        |
| 22    | 9.00  | 8.62  | 8.00  | 8.16  | 8.36  | 7.98        |
| 24    | 9.75  | 9.37  | 8.75  | 8.91  | 9.11  | 8.73        |
| 26    | 10.50 | 10.12 | 9.50  | 9.66  | 9.86  | 9.48        |
| 28    | 11.25 | 10.87 | 10.25 | 10.41 | 10.61 | 10.23       |

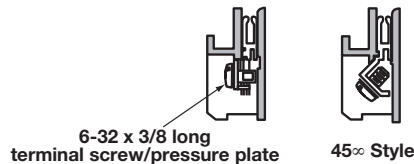
\* Dimensions in inches. To convert to millimeters, multiply by 25.4.  
Integral standoffs for mounting marker strips - consult factory.

#### Dimensions - in (mm)

##### 15104 Series



Tolerance plus or minus 1/64 (0.4)



## Part Numbering System

#### Series

15104

#### Poles

06 to 28 (Increments of 2)

#### Terminal

1 - 90° angle  
2 - 45° angle

#### Plating

T - Tin  
G - Gold\*

#### Screw

1 - #6-32 pan head. w/wire clamp

\* Consult Factory



## Cooper Bussmann Compliance References

### UL1059 & CSA 22.2 No. 158 Voltage Rating

Voltage ratings of terminal blocks are based on the minimum spacing between electrically conductive parts and a minimum withstand voltage. The spacings are measured under two conditions: 1) through air, defined as the shortest distance an arc must travel through an air path from one electrically conductive part to another at opposite polarity or from an electrically conductive part to a grounded surface; and 2) over surface, defined as the shortest distance an arc must travel as it tracks along the surface of an insulating material from one electrically conductive part to another at opposite polarity or from an electrically conductive part to a grounded surface. The withstand voltage, termed dielectric withstand, is dependent on the voltage rating. The value is 1000V plus twice the rated voltage for one minute. This is tested under both conditions listed above. The following chart shows the UL 1059 and CSA 22.2 No. 158 spacing requirements, in inches.

### IEC Compliance

Some Magnum Terminal Blocks comply with the requirements in IEC Publication 60947-7-1 Terminal Blocks for Copper Conductors. These blocks are concurrently recognized and certified under the UL Classification Program. Ratings, except where indicated, are concurrent with UL 1059.

### CE

In 1998, Cooper Bussmann received CE certification on all Magnum products. For terminal blocks, CE is a self-certification mark applied to products that have met safety and performance requirements set forth by the European Union (EU). This mark is required for free movement of product in the European market.

| Application                                                                                                                         | Voltage Rating                     | Spacing Through Air  | Spacing Over Surface |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------|----------------------|
| <b>CLASS A</b><br>Service equipment, including dead-front switchboards, panelboards, service entrance devices, etc.                 | 51 - 150<br>151 - 300<br>301 - 600 | 0.50<br>0.75<br>1.00 | 0.75<br>1.25<br>2.00 |
| <b>CLASS B</b><br>Commercial appliances, including business equipment, electronic data processing equipment, etc.                   | 51 - 150<br>151 - 300<br>301 - 600 | 0.06<br>0.09<br>0.38 | 0.06<br>0.09<br>0.50 |
| <b>CLASS C</b><br>General industrial, including machine tool controls, which can further be defined as equipment governed by UL508. | 51 - 150<br>151 - 300<br>301 - 600 | 0.13<br>0.25<br>0.38 | 0.25<br>0.38<br>0.50 |
| <b>CLASS D</b><br>Industrial devices having limited ratings.                                                                        | 51 - 300<br>301 - 600              | 0.06<br>0.19         | 0.13<br>0.38         |

| Magnum Series | 51-150 Volts | CLASS A<br>151-300 Volts | 301-600 Volts | 51-150 Volts | CLASS B<br>151-300 Volts | 301-600 Volts | 51-150 Volts | CLASS C<br>151-300 Volts | 301-600 Volts | 51-300 Volts | 301-600 Volts |
|---------------|--------------|--------------------------|---------------|--------------|--------------------------|---------------|--------------|--------------------------|---------------|--------------|---------------|
| A/CB1000      |              |                          |               |              | X                        |               | X            |                          |               | X            |               |
| A/CB2000      |              |                          |               |              | X                        |               |              | X                        |               |              |               |
| LP2000        |              |                          |               |              | X                        |               | X            |                          |               |              |               |
| A/CB3000      |              |                          |               |              |                          | X             |              |                          | X             |              |               |
| LP3000        |              |                          |               |              | X                        |               | X            |                          |               |              |               |
| A/B4000       | X            |                          |               |              |                          | X             |              |                          | X             |              |               |
| A/CB5000      |              |                          |               |              | X                        |               | X            |                          |               | X            |               |
| 7000          |              |                          |               | X            |                          |               | X            |                          |               |              |               |
| TB100         |              |                          |               |              | X                        |               | X            |                          |               | X            |               |
| TB200         |              |                          |               |              | X                        |               |              | X                        |               |              | X             |
| TB200HB       |              |                          |               |              |                          | X             |              |                          | X             |              | X             |
| TB300         |              |                          |               |              |                          | X             |              |                          | X             |              | X             |
| TB400         |              |                          |               |              |                          | X             |              |                          | X             |              |               |

### Customer Satisfaction Team

Available to answer questions regarding Magnum products Monday-Friday, 8:00 a.m. – 6:00 p.m. Central Time for all US time zones. Contact:

- Phone: 636-527-3877
- Toll-free fax: 800-544-2570
- E-mail: [busscustsat@cooperindustries.com](mailto:busscustsat@cooperindustries.com)

### C<sup>3</sup> – the Enhanced, Online Cooper Customer Center

Provides real time product availability, net pricing, order status & shipment tracking across six Cooper divisions: B-line, Bussmann, Crouse-hinds, Lighting, Power Systems & Wiring Devices. Call 877-995-5955 for log-in assistance. Available at:

- [www.cooperpc3.com](http://www.cooperpc3.com)

### Application Engineering

Technical assistance is available to all customers. Staffed by degreed electrical engineers, this application support is available Monday-Friday, 8:00 a.m. – 5:00 p.m. Central Time. Contact:

- Phone: 636-527-1270
- Fax: 636-527-1607
- E-mail: [fusetechn@cooperindustries.com](mailto:fusetechn@cooperindustries.com)
- Live Chat: [www.cooperbussmann.com](http://www.cooperbussmann.com)

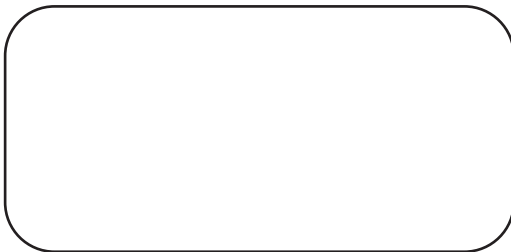
### Online Resources

Visit [www.cooperbussmann.com](http://www.cooperbussmann.com) for the following resources:

- Product search & cross-reference
- Product & technical materials
- Solutions centers for information on topical issues including arc-flash, selective coordination & short-circuit current rating
- Technical tools, like our arc-flash calculator

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