

## 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 phillips 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

| Poles | MOUNTING ENDS ONLY |          | BARRIER & MOUNTING ENDS B Pole Ctrs. | BARRIER ENDS ONLY C Length |
|-------|--------------------|----------|--------------------------------------|----------------------------|
|       | A Mount Ctrs.      | 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                      |



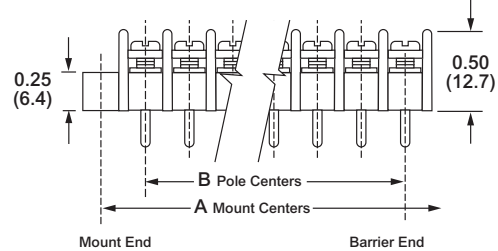
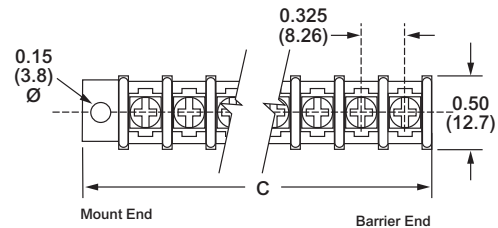
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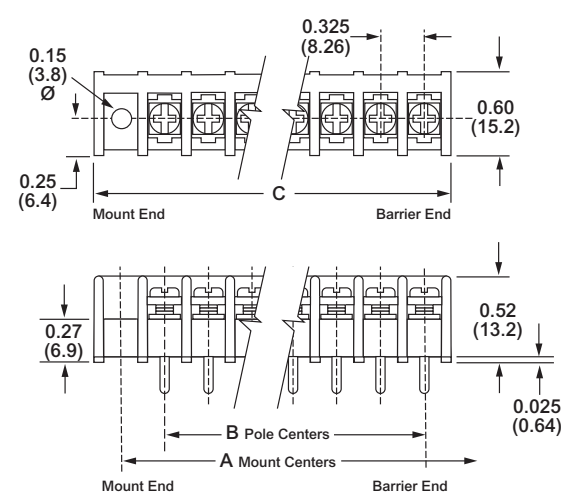
CB10210707

#### Dimensions - in (mm)

##### A1000 Series



##### CB1000 Series



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

Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Panel & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

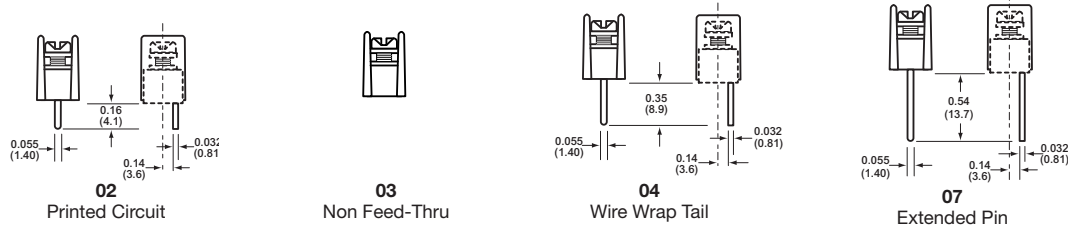
## Part Numbering System

| Series                                                                                                                                                     | Terminal Style                                                                           | Base/End                           | Poles                                  | Screw Options                                                                                                                                   | Options                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A1</b>                                                                                                                                                  |                                                                                          |                                    |                                        |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                     |
| <b>CB1</b>                                                                                                                                                 |                                                                                          |                                    |                                        |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                     |
| A1 - standard barrier<br>CB1 - closed back                                                                                                                 | 02 - printed circuit<br>03* - non feed-thru<br>04* - wire wrap tail<br>07 - extended pin | 1 - mount end<br>2** - barrier end | 02 to 36<br>02 to 34 on mount end base | Blank - std. screws<br>03 - stainless steel<br>07 - steel SEMS & washer (not available with hardware options)<br>CA*** - standard captive screw | DR - angle mts. (A1 only-pg 9)<br>B1 to B9 - 0.187" QC (all positions)<br>EB - exit back terminals on CB1 w/07 screw option only<br>L1 to L6 marking options (pg 27)<br>LT1 to LT6 marking options (CB1 only-pg 27)<br>MP & MT - mounting plates 0.150 dia (pg 9)<br>R26 & R45 - right angle bends (A1 only-pg 9)<br>†JA, JB & JC - barrier jumpers |
| *A1 only<br>**Not available with 03-non feed-thru terminal style<br>***Not compatible with 03-stainless steel screws<br>†Contact factory for configuration |                                                                                          |                                    |                                        |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                     |

Covers - (pg 28)

## Terminal Styles

Inches (Millimeters)



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



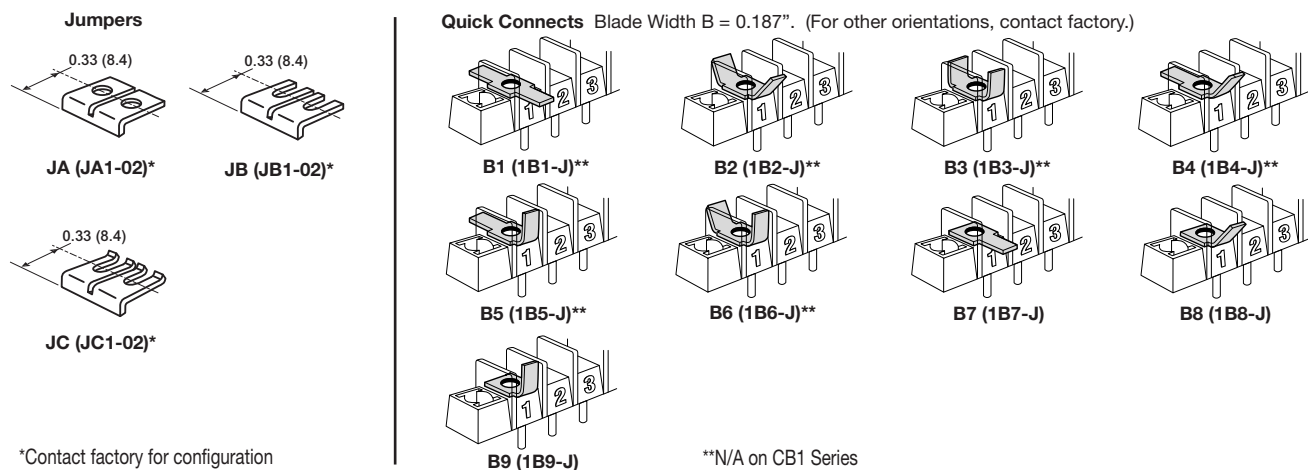
## CB1 Terminal Exit Options

Inches (Millimeters)



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

Inches (Millimeters)



\*Contact factory for configuration

\*\*N/A on CB1 Series

Series A1000 & CB1000

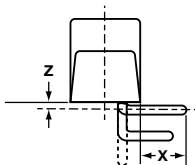
Single Row Terminal Blocks *Continued*

Mounting Options

Inches (Millimeters)

Right Angle Bends (A1 only)

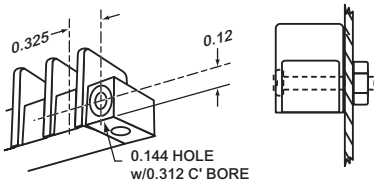
Right angle terminals are offered on the A1000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected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



| Bend Option Code       | X          | 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) |

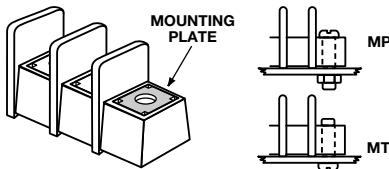
Dimensions: in (mm)

Drilled Right Angle (A1 only)  
(Dimensions in inches)



**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**.

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