

## 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



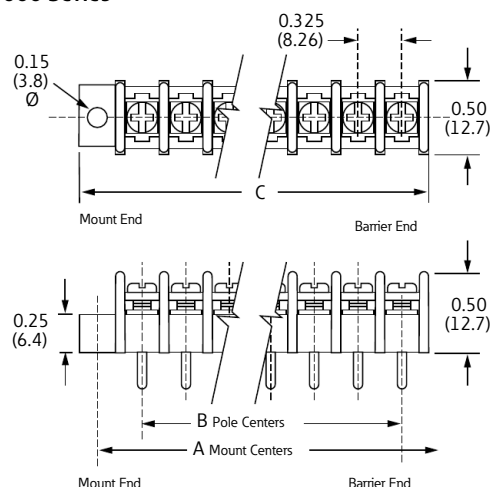
CB10210707



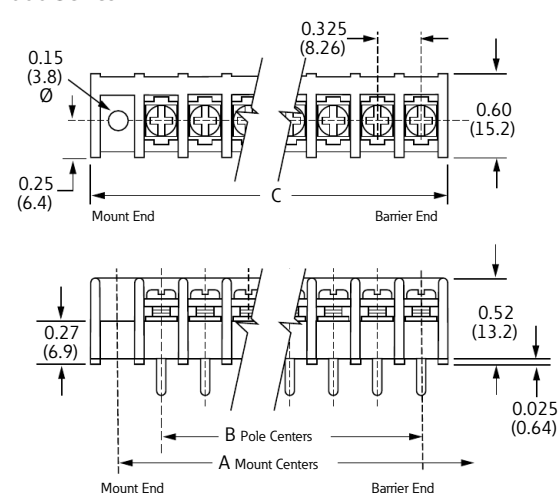
A102206

#### Dimensions - in (mm)

##### A1000 Series



##### CB1000 Series



| Poles | MOUNTING ENDS ONLY |          | BARRIER & MOUNTING ENDS<br>B Pole Ctrs. | BARRIER ENDS ONLY<br>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                         |

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

Terminal Blocks:  
Single Row

EuroMag Series

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>                                               |                                                                                                                      |                                                  |                                                      |                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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>07</b> - steel SEMS & washer (not available with hardware options)<br><b>CA***</b> - standard captive screw | <b>DR</b> - angle mts. (A1 only-pg 7)<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>L1 to L6</b> marking options (pg 25)<br><b>LT1 to LT6</b> marking options (CB1 only-pg 25)<br><b>MP &amp; MT</b> - mounting plates 0.150 dia (pg 7)<br><b>R26 &amp; R45</b> - right angle bends (A1 only-pg 7)<br><b>†JA, JB &amp; JC</b> - barrier jumpers |

Covers - (pg 26)

\*A1 only

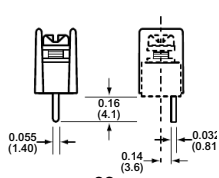
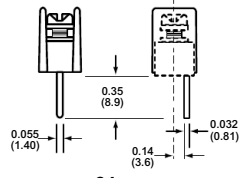
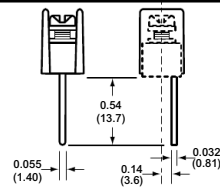
\*\*Not available with 03-non feed-thru terminal style

\*\*\*Not compatible with 03-stainless steel screws

†Contact factory for configuration

## Terminal Styles

Inches (Millimeters)

02  
Printed Circuit03  
Non Feed-Thru04  
Wire Wrap Tail07  
Extended Pin

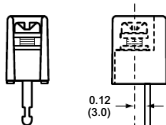
## Screw Options

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

Standard  
Zinc-Plated Steel - (F508-J)03  
Stainless Steel - (F510-J)07  
Zinc-plated Steel Screws - (F522-J)

## CB1 Terminal Exit Options

Inches (Millimeters)



Exit Rear (std.)

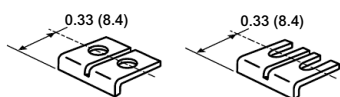
EB  
Exit Back

## Hardware Options

(Bulk ordering part numbers are in parentheses)

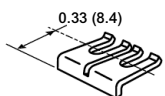
Inches (Millimeters)

## Jumpers



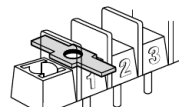
JA (JA1-02)\*

JB (JB1-02)\*



JC (JC1-02)\*

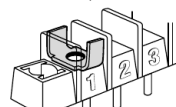
## Quick Connects Blade Width B = 0.187". (For other orientations, contact factory.)



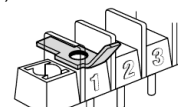
B1 (1B1-J)\*\*



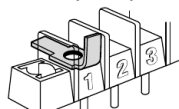
B2 (1B2-J)\*\*



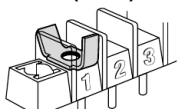
B3 (1B3-J)\*\*



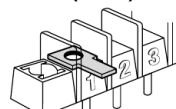
B4 (1B4-J)\*\*



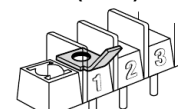
B5 (1B5-J)\*\*



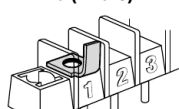
B6 (1B6-J)\*\*



B7 (1B7-J)\*\*



B8 (1B8-J)\*\*



B9 (1B9-J)\*\*

\*\*N/A on CB1 Series

\*Contact factory for configuration

Series A1000 & CB1000

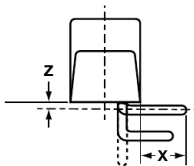
Single Row Terminal Blocks *Continued*

Mounting Options

Inches (Millimeters)

Right Angle Bends (A1 only)

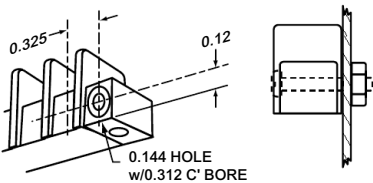
Right angle terminals are offered on the A1000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected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



| Bend Option Code       | X          | 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)

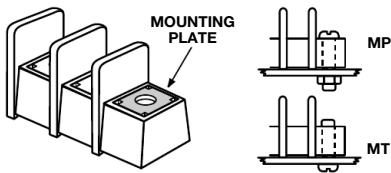
Drilled Right Angle (A1 only)  
(Dimensions in inches)



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**.