

## 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;

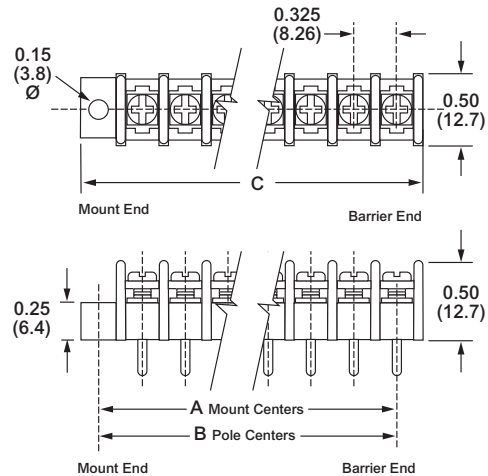
CE Certified; UL File: E62622, CSA File: 15364

\*General industrial applications

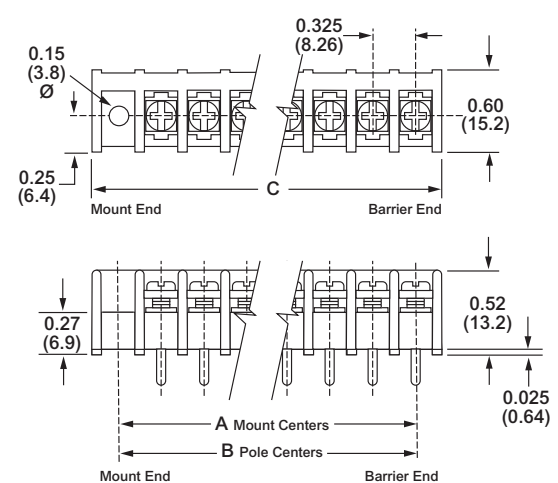


#### Dimensions - in (mm)

##### 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

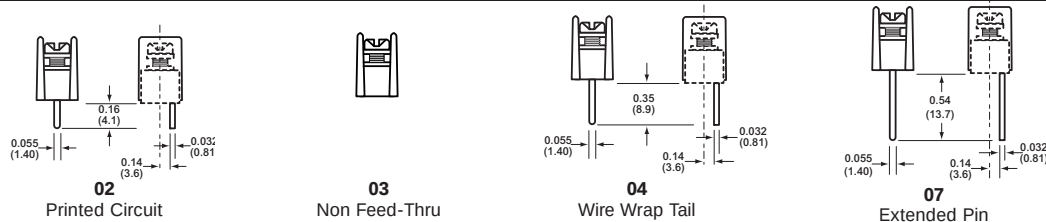
## Part Numbering System

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

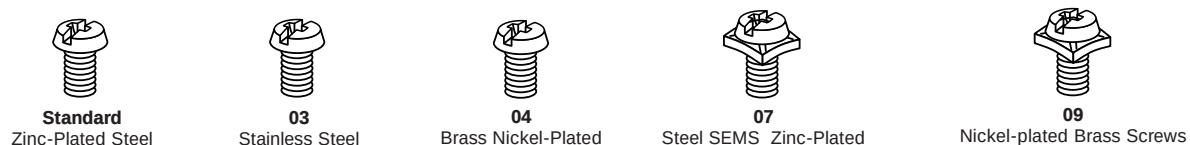
Covers - (pg 23)

## Terminal Styles

Inches (Millimeters)



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



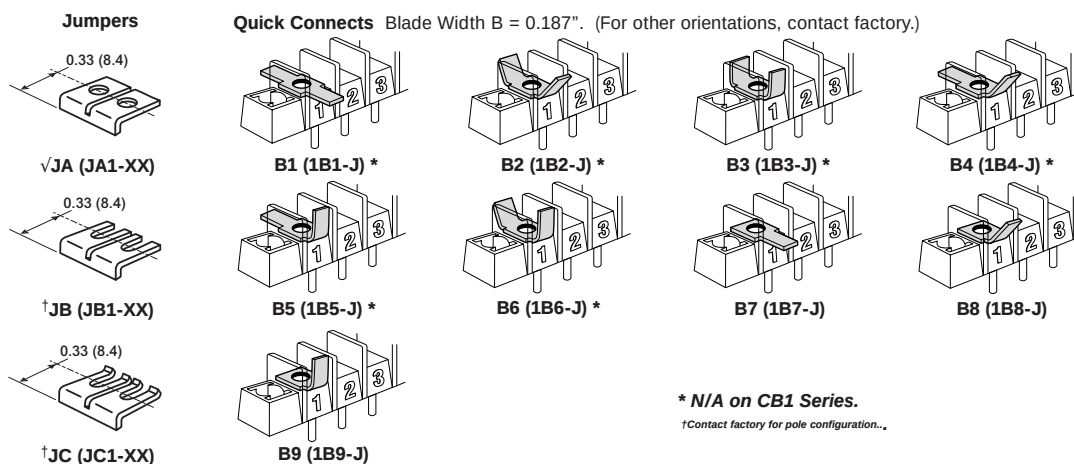
## CB1 Terminal Exit Options

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

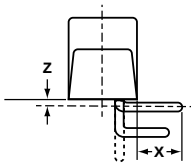
### Single Row Terminal Blocks *Continued*

#### Mounting Options

Inches (Millimeters)

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

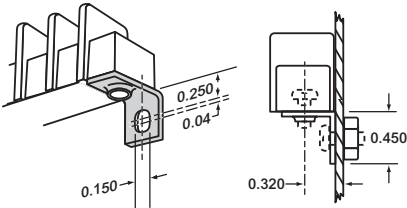
Right angle terminals are offered on the A1000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected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



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

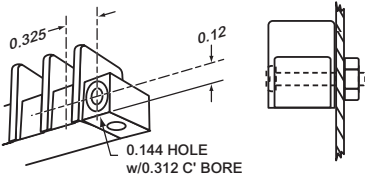
Dimensions in inches. To convert to millimeters, multiply by 25.4.

##### Angle Brackets (A1 only)



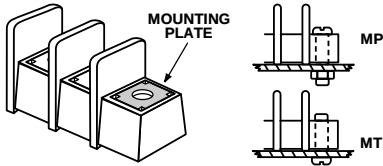
**Option AB**  
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **1AB-J**.

##### 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**.