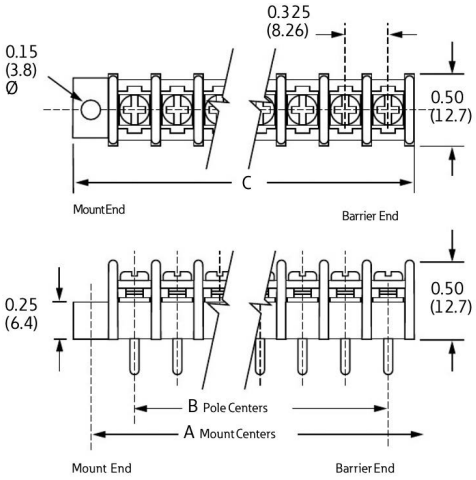
A1

Dimensions Inches (Millimeters)

A1

A10220307



Specifications

Rating: 20A, 250V*

Center Spacing: 0.325" (8.26mm)

Wire Range: #14-22 AWG Cu

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

Torque Rating: 9 lb-in.

Base: Standoffs are standard on CB1000 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

	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS	BARRIER ENDS ONLY
Poles	A Mounting Ctrs.	C Length	B Pole 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

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

Part Numbering System

Family

A1 - standard barrier

CB1 - closed back

Terminal Style

02 - printed circuit

04 - wire wrap

07 - extended pin

Base/End

1 - mount end

2 - barrier end

Poles

02 to **24** A1

02 to **30** CB1

Screw Options

Blank–std. screws

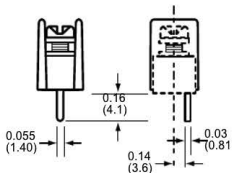
03- stainless steel

07- steel SEMS & washer (not available with hardware options)

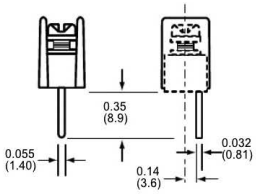
Options

DR - angle mts. (A1 only-pg 5)
B1 to **B9** - 0.187″ QC (all positions)
L1 to **L6** marking options (pg 25)
LT1 to **LT6** marking options (CB1 only-pg 25)
MP & MT - mounting plates 0.150 dia (pg 5)
R26 - rightangle bends (A1 only-pg 5)

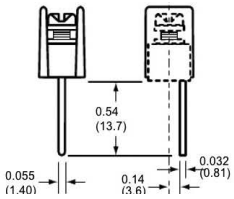
Terminal Styles Inches (Millimeters)



02
Printed Circuit



04
Wire Wrap Tail



07
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)

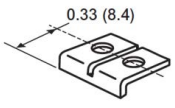
03
Stainless Steel (F510-J)

07
Zinc-Plated Steel Screws (F522-J)

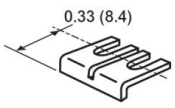
Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

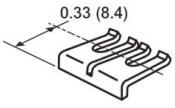
Jumpers



(JA1-xx-J)



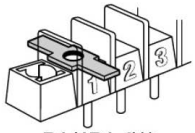
(JB1-xx-J)



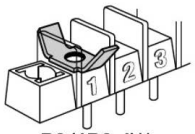
(JC1-xx-J)

*Contact Eaton for desired configuration

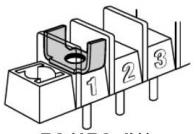
Quick Connects Blade Width B = 0.187″



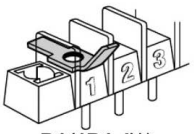
B1 (1B1-J)**



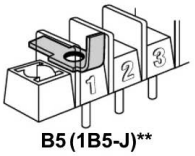
B2 (1B2-J)**



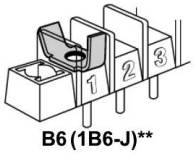
B3 (1B3-J)**



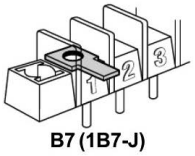
B4 (1B4-J)**



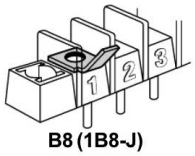
B5 (1B5-J)**



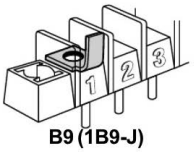
B6 (1B6-J)**



B7 (1B7-J)



B8 (1B8-J)



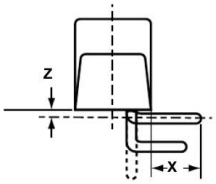
B9 (1B9-J)

** N/A on CB1

Mounting Options

Right Angle Bends (A1 only)

Right angle terminals are offered on the A1. 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 R26 Bend Option Code to the terminal part number.

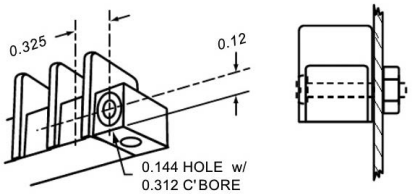


Bend Option Code	X	Z
R26 (04 terminal only)	0.14 (3.5)	0.09 (2.3)

Dimensions: in (mm)

Right Angle Bends (A1 only)

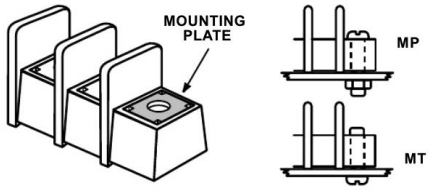
(Dimensions in inches)



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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