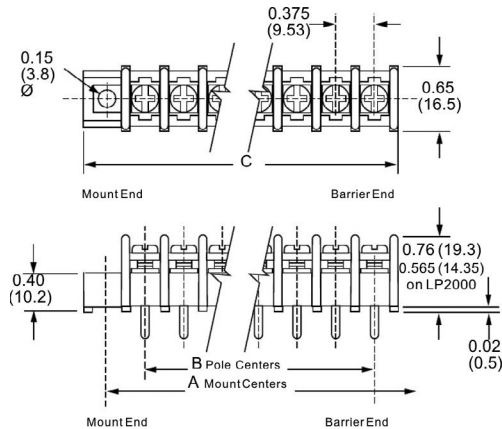


Single Row Terminal Blocks

A2, LP2 & CB2

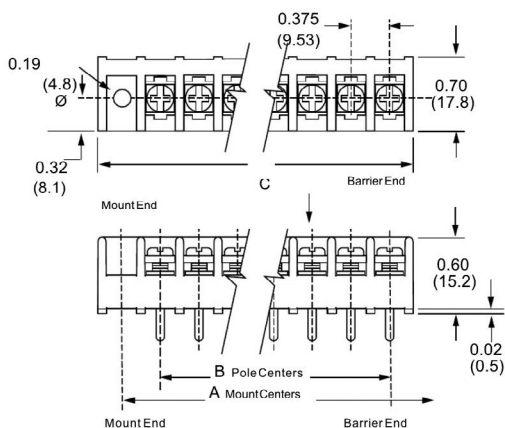
Dimensions Inches (Millimeters)

A2 & LP2



CB2

CB20220407



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.

Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS	BARRIER ENDS ONLY
	A Mounting Ctrs.	C Length	B Pole 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	1.50	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	—	—	9.00	9.43
26	—	—	9.38	9.81



Powering Business Worldwide

Part Numbering System

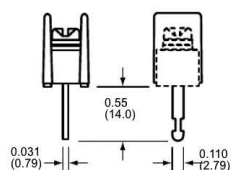
Family	Terminal Style	Base/End	Poles	Screw Options	Options
 A2 - standard barrier	 01* - handwired	 1 - std. base/ mnt. end	 02 to 26 Barrier end	 Blank-std. screws	 AB* - angle mnt. options (pg 11)
 LP2 - low profile barrier	 02 - printed circuit	 2 - std. base/ barrier end on mount	 02 to 24 Mount end	 03* - stainless steel	 A1 to A9 - 0.250" QC
	 03 - non feed-thru	 3 - insulator base/mnt. end		 04 - brass nickel-plated	 B1 to B9 - 0.187" QC
	 04 - wire wrap tail	 4 - insulator base/barrier end		 07 - steel SEMS***	 DR* - drilled right angle (pg 11)
	 06 - handwired	 5 - closed base/ mount end		 09* - brass SEMS nickel-plated***	 L1 to L6 marking options (pg 25)
	 07 - extended pin	 6 - closed base/ molded mount end		 CA** - captive screw	 MP* mounting plates (pg 11)
	 08 - printed circuit			 WR* - wire ready	 R30 to R75 - right angle bends (pg 11)
	 09 - 0.250" QC short				 S1* - solder lug/flat Covers - (pg 26)
	 10 - 0.187" QC				
	 14 - printed circuit				
	 19 - 0.250" QC long				

* A2 only.

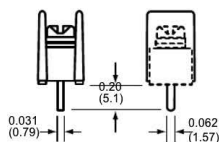
** Not compatible with 03-stainless steel screws.

*** SEMS screws not available with hardware options

Terminal Styles Inches (Millimeters)



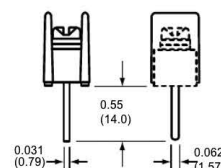
01
Handwired



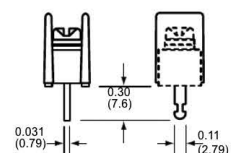
02
Printed Circuit



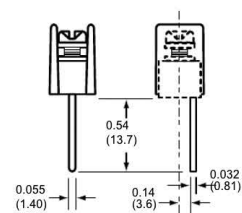
03
Non Feed-Thru



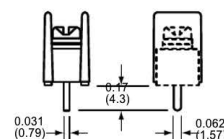
04
Wire Wrap Tail



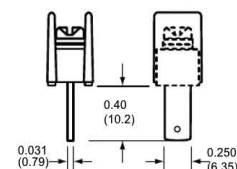
06
Handwired



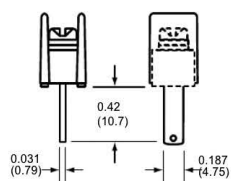
07
Extended Pin



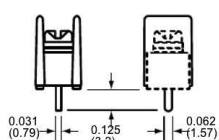
08
Printed Circuit



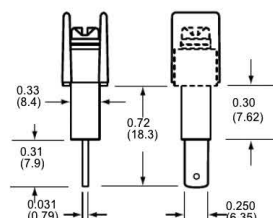
09
0.250" QC short



10
0.187" QC



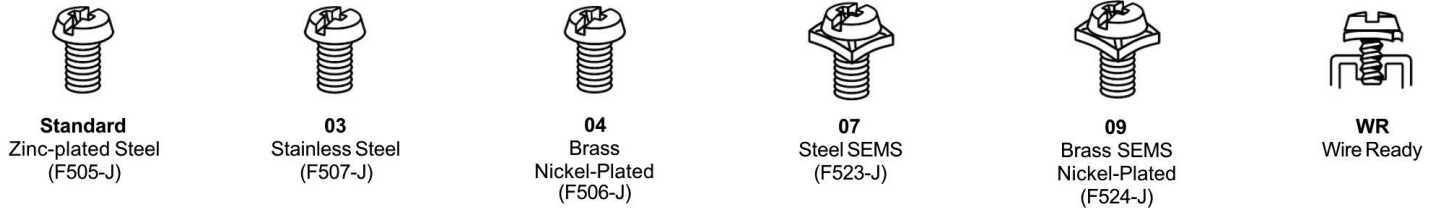
14
Printed Circuit



19
0.250" QC long

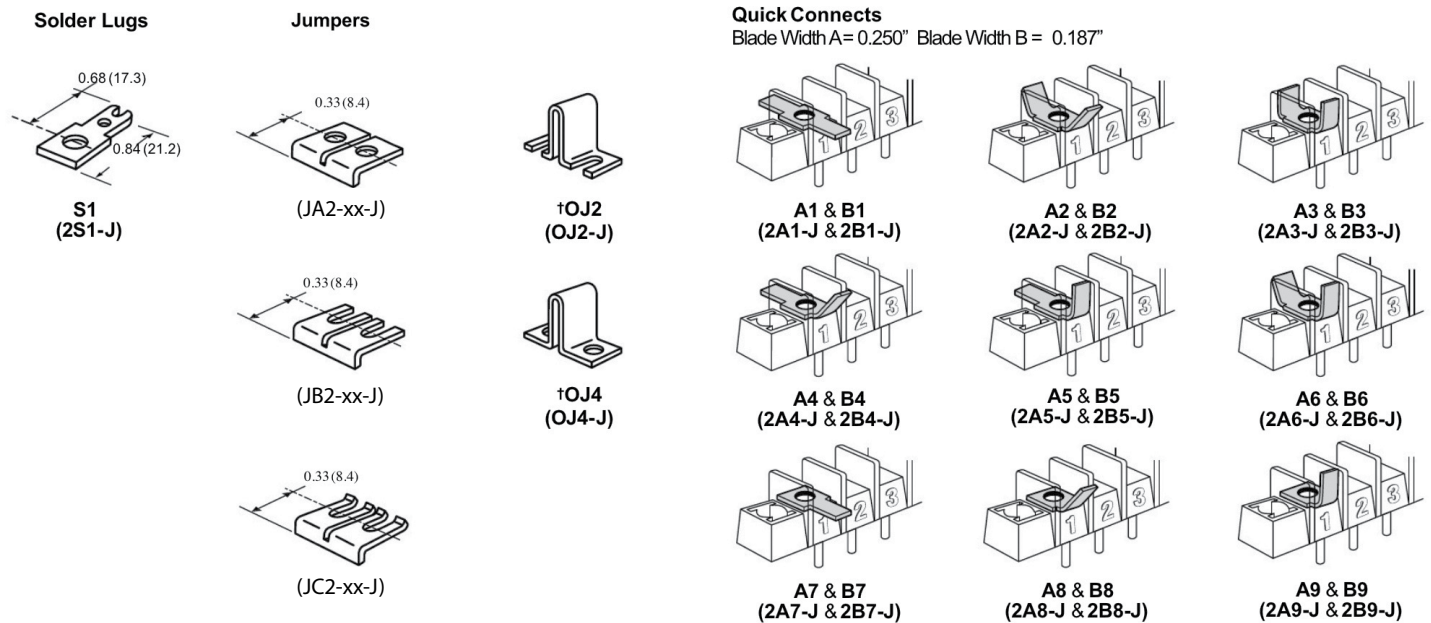
Screw Options

(Bulk ordering part numbers are in parentheses)



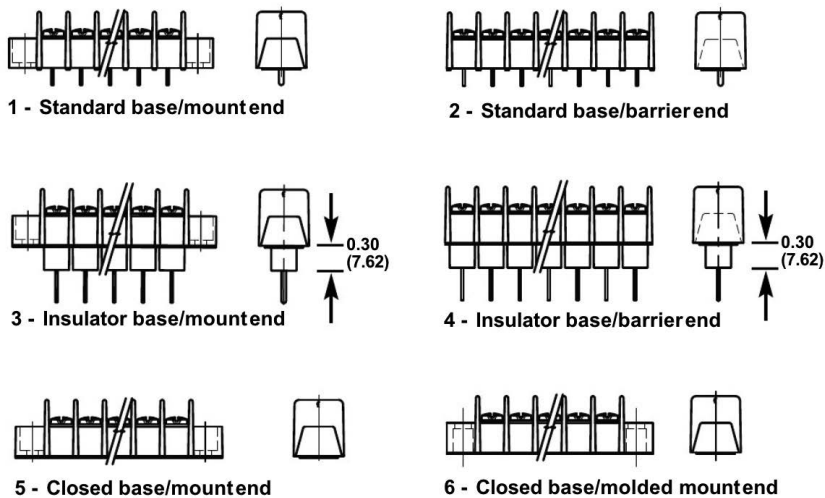
Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)



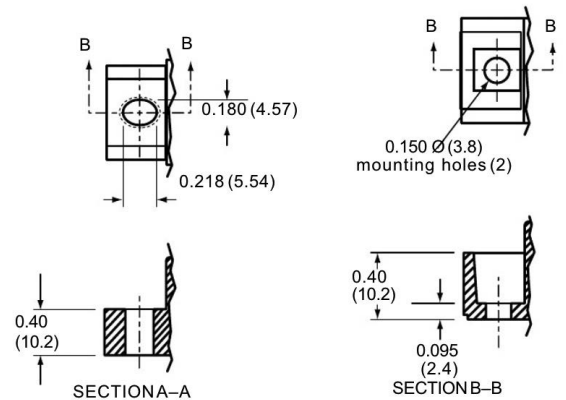
† Contact Eaton for desired configuration.

Base/End Options Inches (Millimeters)



(not available with covers)

Mount End Details



6 Molded Mount End

1, 3 & 5 Mount End

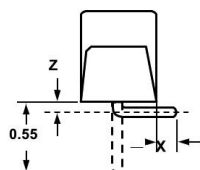
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

Mounting Options Inches (Millimeters)

Right Angle Bends

Right angle terminals are offered on the A2 & LP2. 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.

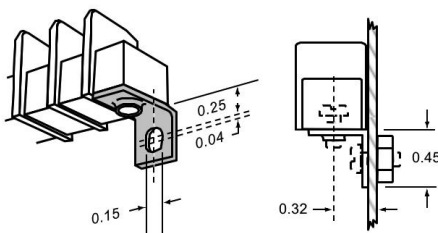
04 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available with insulator base
R35	0.01	0.23	No
R42	0.08	0.16	No
R46	0.12	0.12	No
R50	0.16	0.08	No

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

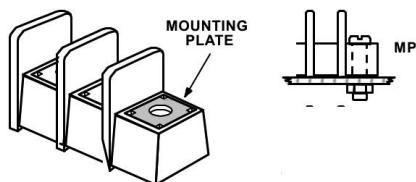
Angle Brackets



Option AB

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

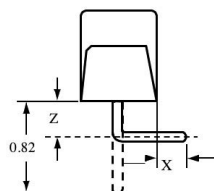
Mounting Plates



Options MP

MP Metal inserts with 0.150" dia. hole accept #6 screw.
Bulk part number **2MP-J**.

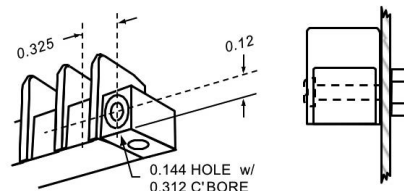
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available with insulator base
R35	0.01	0.50	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
R75	0.41	0.10	No

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

Drilled Right Angle



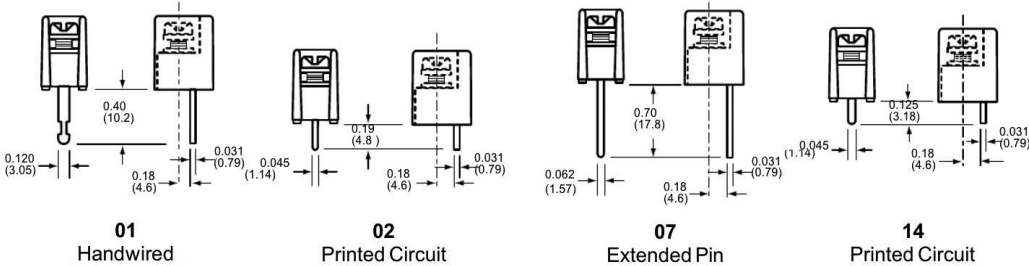
Option DR

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

Part Numbering System

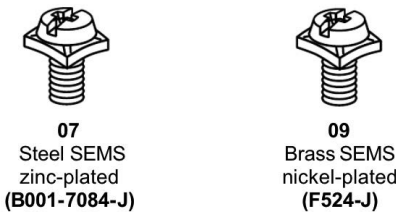
Family	Terminal Style	Base/End	Poles	Screw Options	Options
C B 2 CB2 - closed back	01 - handwired 02 - printed circuit 07 - extended pin 14 - printed circuit	1 - mount end 2 - barrier end	02 to 26 on barrier end 02 to 24 on mount end	Blank-std. screws 07 - steel SEMS standard 09 - brass SEMS nickel-plated	AB - angle mounting brackets (pg 13) A7 to A9 - 0.250" QC B7 to B9 - 0.187" QC EB - exit back terminals EF - exit front terminals L1 to L6 marking options (pg 25) LT1 to LT6 marking options (pg 25) MP mtg. plates (pg 13) Covers - (pg 26)

Terminal Styles Inches (Millimeters)



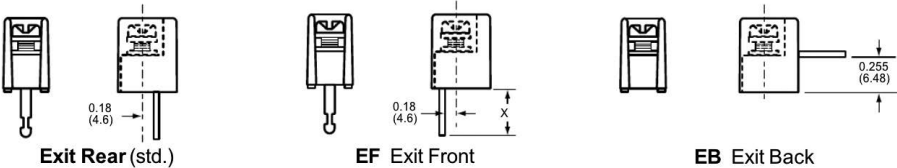
Screw Options

(Bulk ordering part numbers are in parentheses)



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

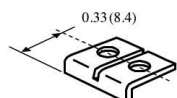
CB2 Terminal Exit Options Inches (Millimeters)



Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

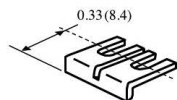
Jumpers



†JA
(JA2-XX-J)



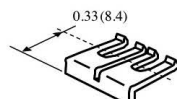
†OJ2
(OJ2-J)



†JB
(JB2-XX-J)



†OJ4
(OJ4-J)

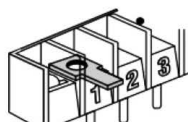


†JC
(JC2-XX-J)

† Contact Eaton for desired configuration.

Quick Connects

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



A7 & B7
(2A7-J & 2B7-J)



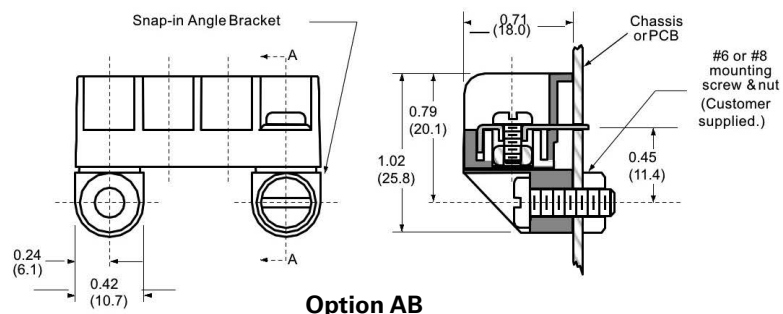
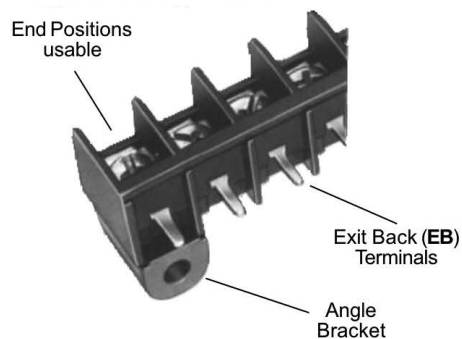
A8 & B8
(2A8-J & 2B8-J)



A9 & B9
(2A9-J & 2B9-J)

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket

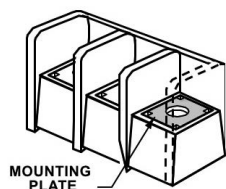


Option AB

Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- 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).
- Available on 3 pole configurations and greater

Mounting Plates



Option MP

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

Bulk part number 2MP-J.

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