

Single Row Terminal Blocks

A3, LP3 & CB3

Dimensions Inches (Millimeters)

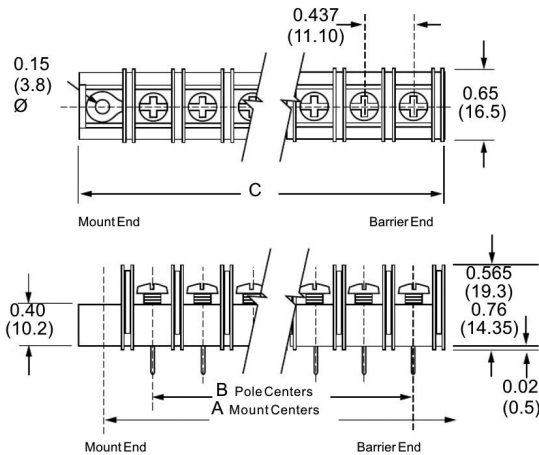
A3 & LP3



A31930307



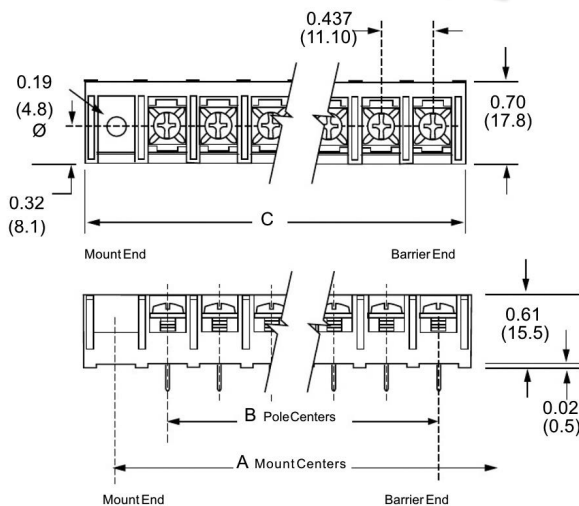
LP307102



CB3



CB35110407MP



Specifications

Rating: A3: 30A, 600V* LP3: 30A, 150V* CB3: 30A, 600V*

Wire Range: #12-22 AWG Cu

Center Spacing: 0.437" or 7/16" (11.10mm)

Screw Size: #6-32 zinc-plated phillips screws.

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: 3500V (A3 & LP3); 8200V (CB3)

Agency Information: UL File E62622, CSA 47235; IEC Compliance, CE Certified

* 30A Rating achieved with a #10 copper wire crimped to a ring terminal; 20 Rating without ring terminal.

Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS		BARRIER ENDS ONLY
	A Mounting Ctrs.	C Length	B Pole Ctrs.	C Length	C Length
02	1.31	1.73	0.43	0.98	0.98
03	1.75	2.17	0.87	1.43	1.43
04	2.18	2.61	1.31	1.87	1.87
05	2.62	3.05	1.75	2.31	2.31
06	3.06	3.48	2.18	2.75	2.75
07	3.50	3.92	2.62	3.18	3.18
08	3.93	4.36	3.06	3.62	3.62
09	4.37	4.80	3.50	4.06	4.06
10	4.81	5.23	3.93	4.50	4.50
11	5.25	5.67	4.37	4.93	4.93
12	5.68	6.11	4.81	5.37	5.37
13	6.12	6.55	5.25	5.81	5.81
14	6.56	6.98	5.68	6.25	6.25
15	7.00	7.42	6.12	6.68	6.68
16	7.43	7.86	6.56	7.12	7.12
17	7.87	8.30	7.00	7.56	7.56
18	8.31	8.73	7.43	8.00	8.00
19	8.75	9.17	7.87	8.43	8.43
20	9.18	9.60	8.31	8.87	8.87
21	9.62	10.05	8.50	9.31	9.31
22	10.06	10.48	9.18	9.75	9.75
23	10.50	10.92	9.62	10.18	10.18
24	10.93	11.36	10.06	10.62	10.62
25	11.37	11.80	10.50	11.06	11.06
26	11.81	12.23	10.98	11.50	11.50
27	—	—	11.81	12.37	12.37
28	—	—	11.37	11.07	11.07



Powering Business Worldwide

Part Numbering System

Family	Terminal Style	Base/End	Poles	Screw Options	Options
A 3	 		 	 	  
A3 - standard barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 05 - extended handwired 07 - extended pin 09 - 0.250 QC short 10 - 0.187 QC 19 - 0.250 QC long	1 - std. base/ mount end 2 - std. base/ barrier 3* - insulator base/mount end 4* - insulator base/barrier end 5** - closed base/mount end	02 to 28 barrier end 02 to 26 mount end	Blank-std. screws 03 - stainless steel 04 - brass nickel-plated 07 - steel SEMS zinc-plated*** 09 - brass SEMS nickel-plated*** 07WR - steel SEMS wire ready CA† - captive screw	AB - angle mnt. options (pg 18) A1 to A9 - 0.250" QC B1 to B9 - 0.187" QC L1 to L6 marking options (pg 25) MP, MT - mounting plates (pg 18) RC - retaining clips (pg 18) R30 to R66 - right angle bends (pg 18)

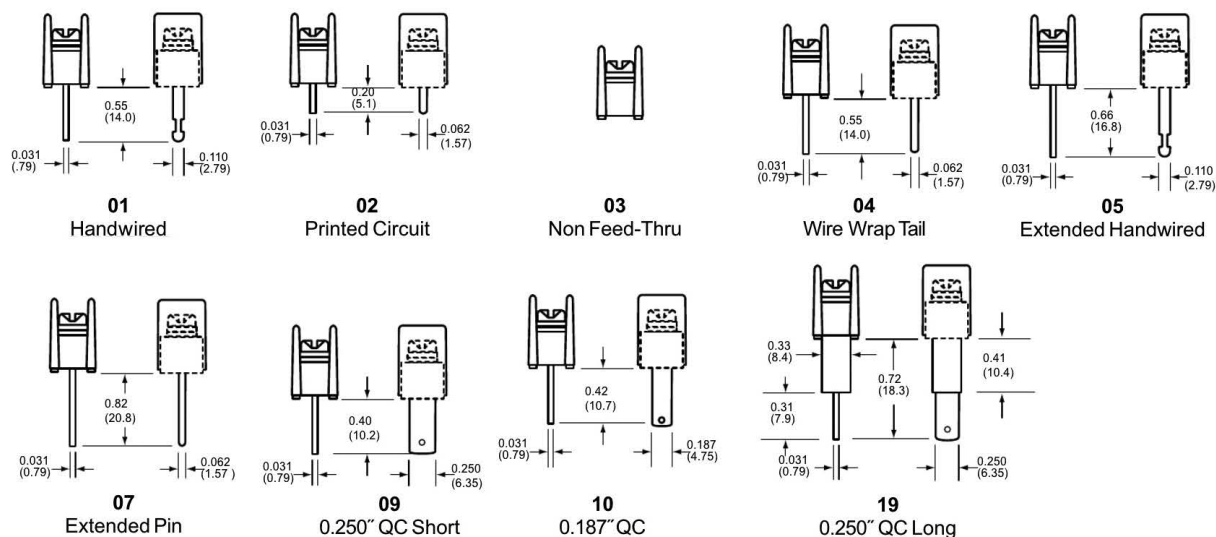
* Base/End Styles 3 and 4 not available with 02, 03, and 09 terminals.

** Base/End Note: 5 Style only available with 03 terminals.

*** SEMS screws not available with hardware options

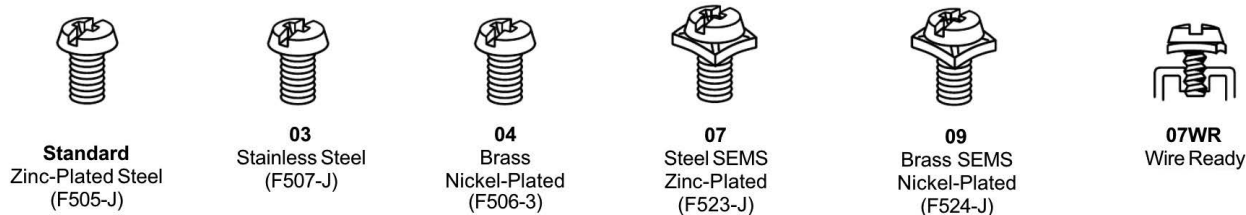
† Not compatible with 03 stainless steel screw option.

Terminal Styles Inches (Millimeters)



Screw Options

(Bulk ordering part numbers are in parentheses)



Part Numbering System

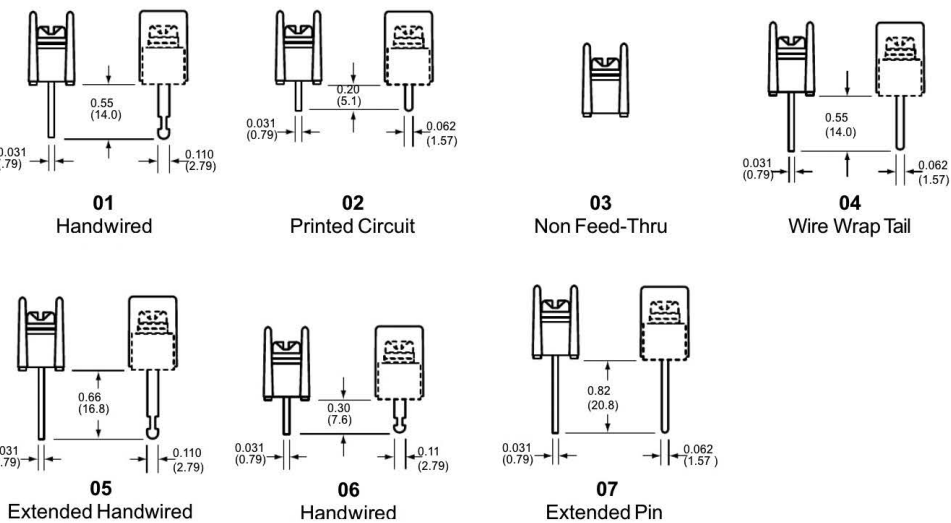
Family	Terminal Style	Base/End	Poles	Screw Options	Options
L P 3 LP3 - low profile barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 05 - extended handwired 07 - extended pin	1 - std. base/mount end 2 - std. base/barrier 3* - insulator base/mount end 4* - insulator base/barrier end 5** - closed base/mount end	02 to 28 barrier end 02 to 26 on mount end	Blank-std. screws 00 - screws shipped 04 - brass nickel-plated 07 - steel SEMS zinc-plated*** CA - captive screw	A1 to A9 - 0.250" QC B1 to B9 - 0.187" QC L1 to L6 marking options (pg 25) MP - mounting plates (pg 18) R30 to R66 - right angle bends (pg 18)

* A2 only.

** Not compatible with 03-stainless steel screws.

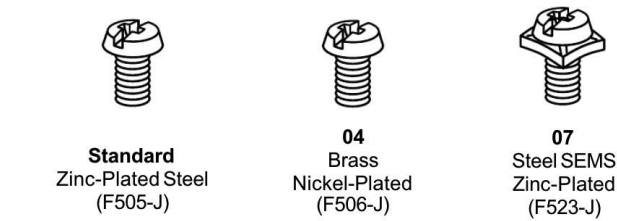
*** SEMS screws not available with hardware options

Terminal Styles Inches (Millimeters)



Screw Options

(Bulk ordering part numbers are in parentheses)



Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

Jumpers



†J201
Flatslip-on
(J201-J)



†OJ3
(OJ3-J)



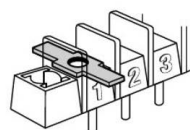
†OJ7
LP3 Only
(OJ7-J)



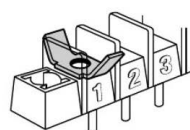
†OJ5
(OJ5-J)

† Contact Eaton for desired configuration.

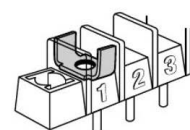
Quick Connects Blade Width A = 0.250" Blade Width B = 0.187"



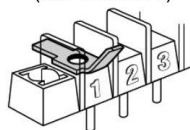
A1 & B1
(2A1-J & 2B1-J)



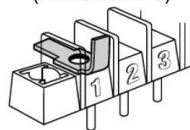
A2 & B2
(2A2-J & 2B2-J)



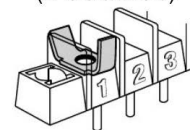
A3 & B3
(2A3-J & 2B3-J)



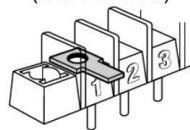
A4 & B4
(2A4-J & 2B4-J)



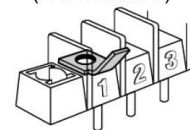
A5 & B5
(2A5-J & 2B5-J)



A6 & B6
(2A6-J & 2B6-J)



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



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



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

Base/End Options Inches (Millimeters)



1 - Standard base/mount end



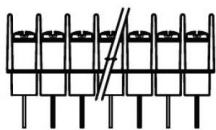
2 - Standard base/barrier end



3 - Insulator base/mount end



0.41
(10.4)



4 - Insulator base/barrier end



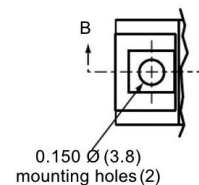
0.41
(10.4)



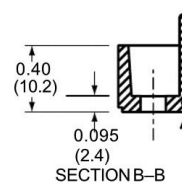
5 - Closed base/mount end



Mount End Details



0.150 Ø (3.8)
mounting holes (2)



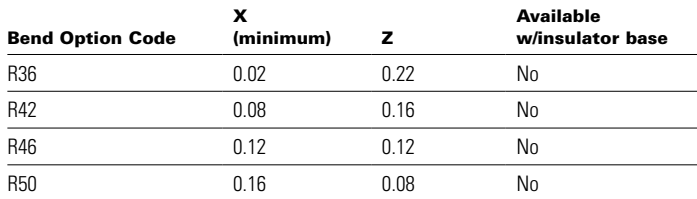
0.095
(2.4)
SECTION B-B

1, 3 & 5 Mount End

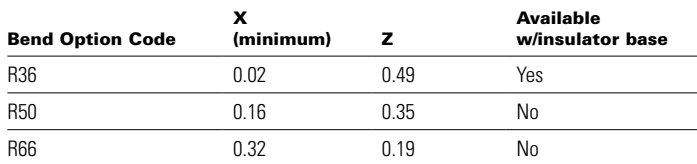
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

Right Angle Mounting Bracket

04 Terminal Bend Configurations



07 Terminal Bend Configurations



The figure contains two technical drawings of a mechanical assembly. The left drawing is a perspective view of a bracket with a circular hole. Dimensions shown are 0.25 (height of the bracket body), 0.04 (thickness of the bracket body), and 0.15 (width of the base plate). The right drawing is a side view of the same assembly. Dimensions shown are 0.32 (width of the base plate), 0.45 (height of the bracket body), and 0.04 (thickness of the bracket body).

A diagram showing the removal of a retaining clip. On the left, a perspective view shows three panels with their retaining clips being removed. On the right, a top-down view shows a single panel with a retaining clip being lifted away from its base. An arrow points from the text "RETAINING CLIP" to the clip being removed.

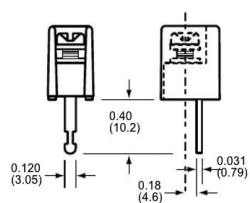
EATON www.eaton.com

Part Numbering System

Family	Terminal Style	Base/End	Poles	Screw Options	Options
C B 3					
CB3 - closed back	01 - handwired #6-32 screw 02 - printed circuit #6-32 screw 07 - extended pin #6-32 screw 51* - handwired #8-32 screw 52* - printed circuit #8-32 screw	1 - mount end 2 - barrier end	02 to 22 barrier end 02 to 20 on mount end	07 - steel SEMS (standard) 09 - brass SEMS nickel-plated CA - SEMS captive	A7 to A9 - 0.250" QC B7 to B9 - 0.187" QC EB exit back terminals L1 to L6 marking options (pg 25) LT1 to LT6 marking options (pg 25) MP mtg. plates (pg 20) Covers - (pg 26)

*Note: #8-32 screw is a special with #6-32 head.

Terminal Styles Inches (Millimeters)

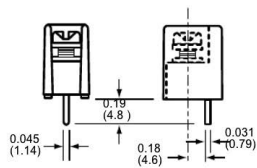


01

Handwired #6-32 screw

51

Handwired #8-32 screw

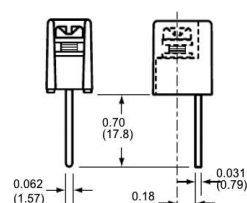


02

Printed Circuit #6-32 screw

52

Printed Circuit #8-32 screw



07

Extended Pin #6-32
screw

Screw Options

(Bulk ordering part numbers are in parentheses)



07

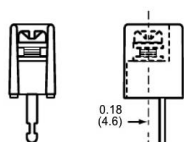
Steel SEMS
Zinc-Plated
(standard)
(B001-7084-J)



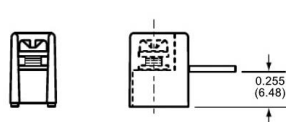
09

Brass SEMS
Nickel-Plated
(F524-J)

CB3 Terminal Exit Options Inches (Millimeters)



Exit Rear (std.)



EB
Exit Back

Hardware Options

Inches (Millimeters)
(Bulk ordering part numbers are in parentheses)

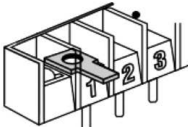


†OJ3
(OJ3-J)

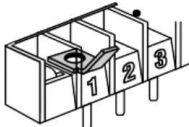


†OJ7
(OJ7-J)

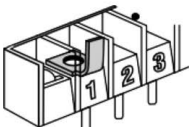
† Contact Eaton for desired configuration.



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



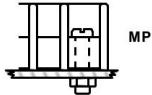
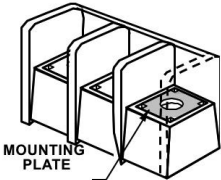
A8 & B8
(2A8-J & 2B8-J)



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

Mounting Options Inches (Millimeters)

Mounting Plates



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

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