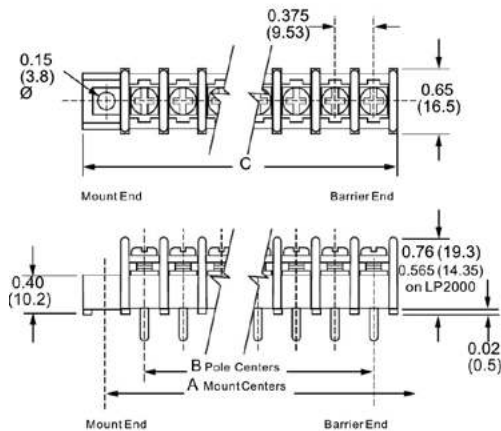


Single Row Terminal Blocks

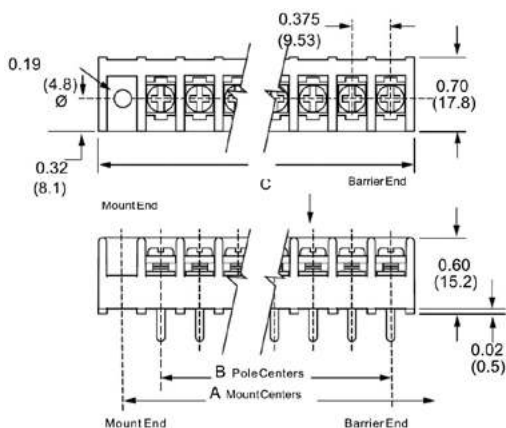
A2, LP2 & CB2

Dimensions Inches (Millimeters)

A2 & LP2



CB2



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.





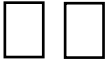
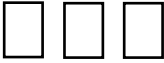
Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS	
	A Mounting Ctrs.	C Length	B Pole Ctrs.	C Length
02	1.13	1.56	0.38	0.81
03	1.50	1.93	0.75	1.18
04	1.88	2.30	1.13	1.56
05	2.25	2.68	1.50	1.93
06	2.63	3.06	1.88	2.31
07	3.00	3.43	2.25	2.68
08	3.38	3.81	2.63	3.06
09	3.75	4.18	3.00	3.43
10	4.13	4.56	3.38	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	7.50	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

Eaton's single row terminal blocks may, on occasion, have various cosmetic variations on their ends due to machining operations that achieve the proper number of poles required. Cutting and machining blemishes are permissible and have no effect on the fit, form or function of the product.

Part Numbering System

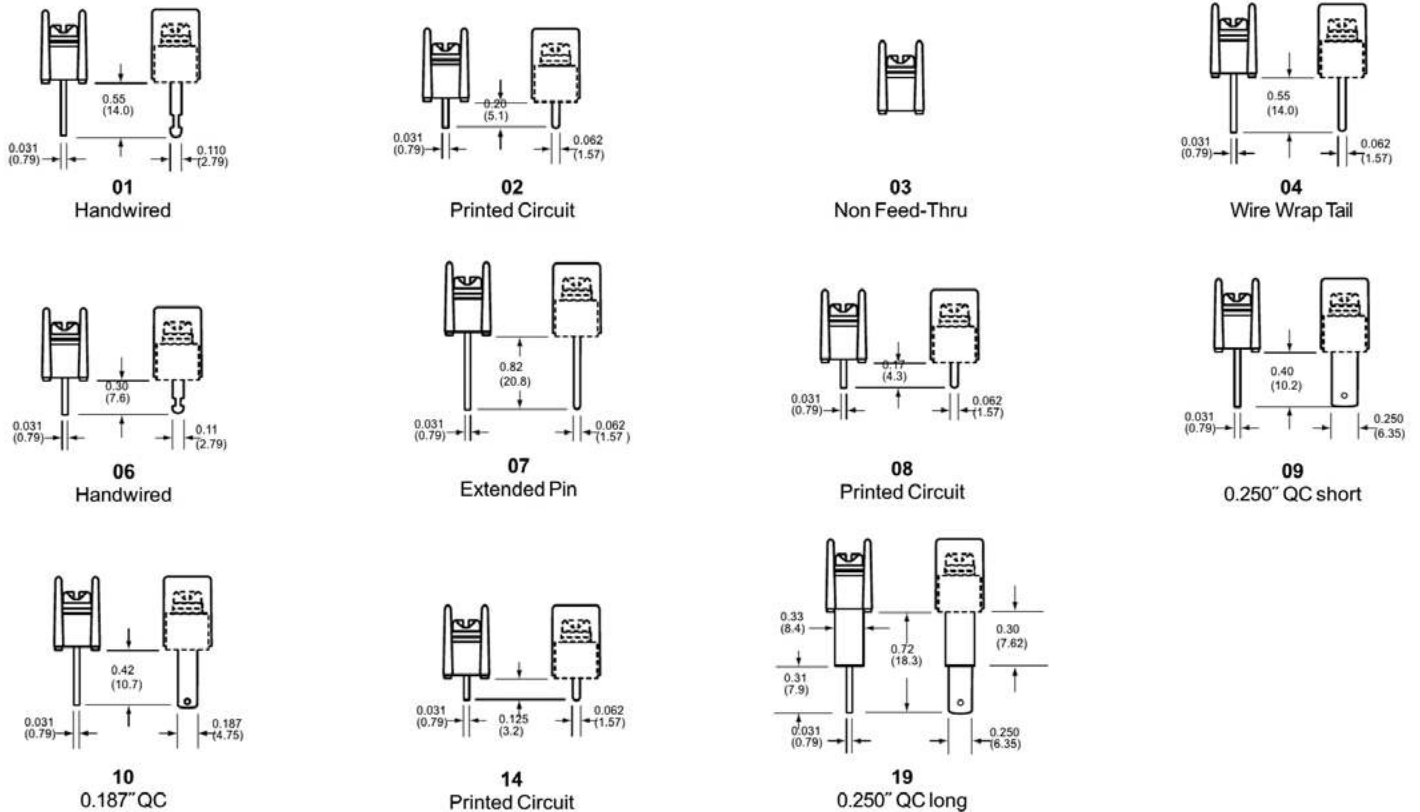
Family	Terminal Style	Base/End	Poles	Screw Options	Options
 A2 - standard barrier LP2 - low profile barrier	 01* - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 06 - handwired 07 - extended pin 08 - printed circuit 09 - 0.250" QC short 10 - 0.187" QC 14 - printed circuit 19 - 0.250" QC long	 1 - std. base/ mnt. end 2 - std. base/ barrier end on mount 3 - insulator base/mnt. end 4 - insulator base/barrier end 5 - closed base/ mount end 6 - closed base/ molded mount end Base/End Note: 5 & 6 Styles only available with 03 terminals.	 02 to 26 Barrier end 02 to 24 Mount end	 Blank-std. screws 00 - screws shipped bulk 03* - stainless steel 04 - brass nickel-plated 07 - steel SEMS*** 09* - brass SEMS nickel-plated*** CA** - captive screw WR* - wire ready	 AB* - angle mnt. options (pg 11) A1 to A9 - 0.250" QC B1 to B9 - 0.187" QC DR* - drilled right angle (pg 11) L1 to L6 marking options (pg 25) MP* mounting plates (pg 11) R30 to R75 - right angle bends (pg 11) S1* - solder lug/flat Covers - (pg 26)

* A2 only.

** Not compatible with 03-stainless steel screws.

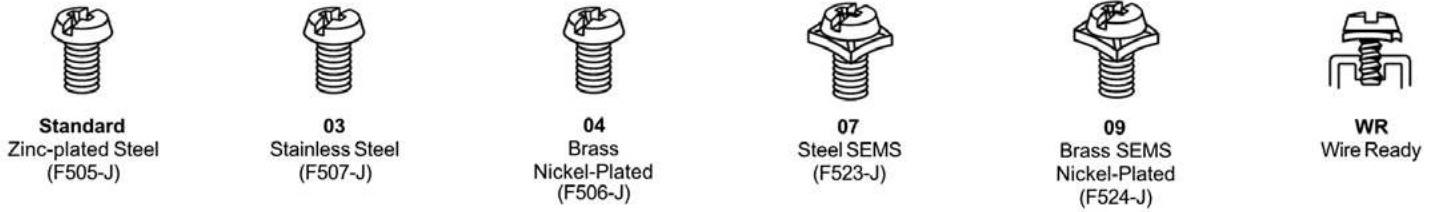
*** SEMS screws not available with hardware options

Terminal Styles Inches (Millimeters)



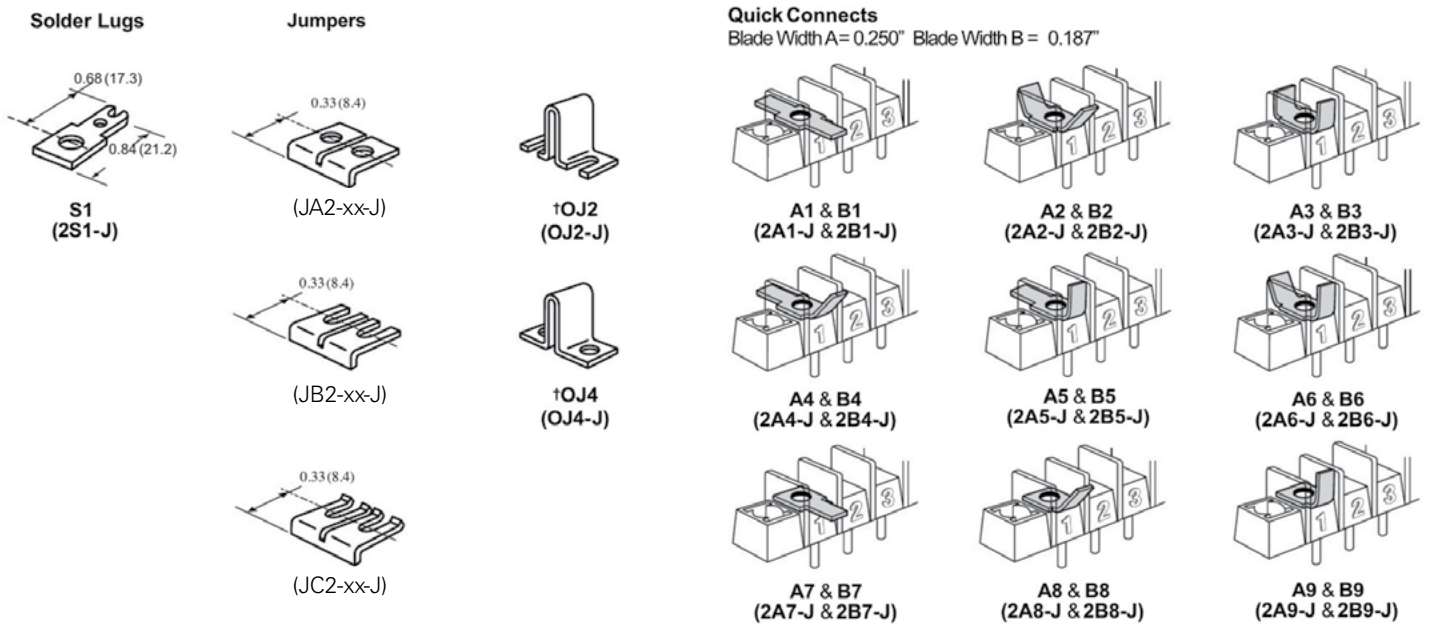
Screw Options

(Bulk ordering part numbers are in parentheses)



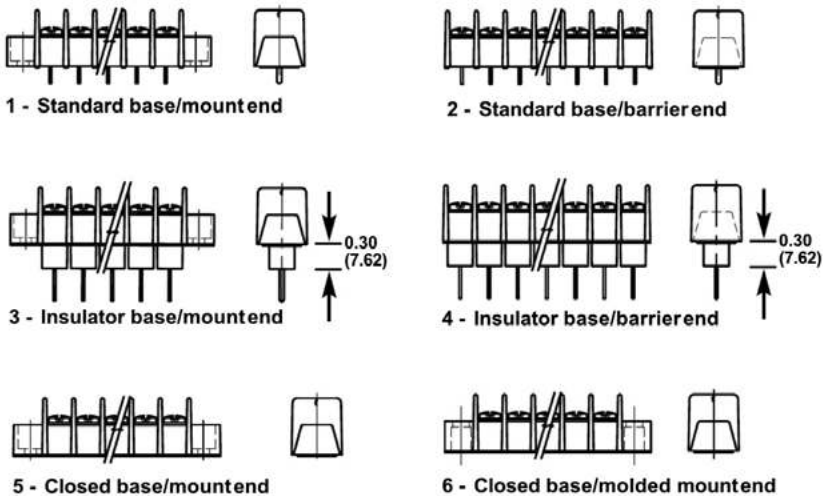
Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)



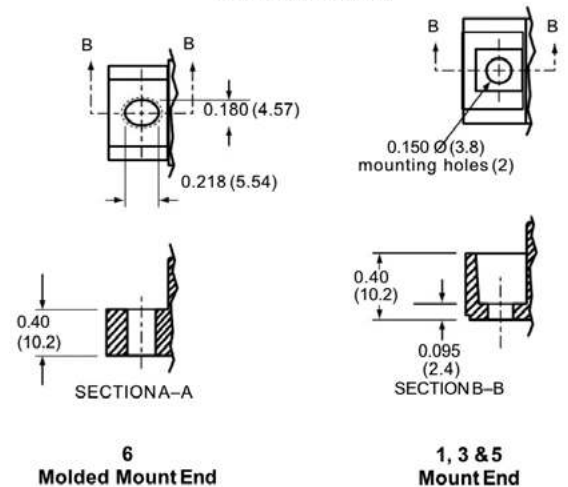
† Contact Eaton for desired configuration.

Base/End Options Inches (Millimeters)



(not available with covers)

Mount End Details



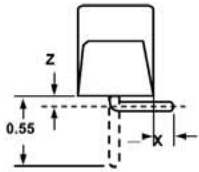
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

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.

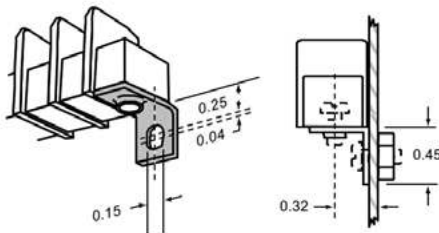
04 Terminal Bend Configurations



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.

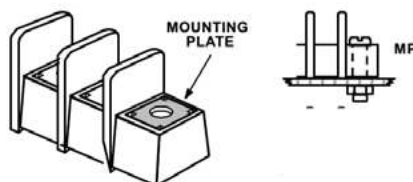
Angle Brackets



Option AB

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

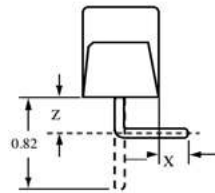
Mounting Plates



Options MP

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

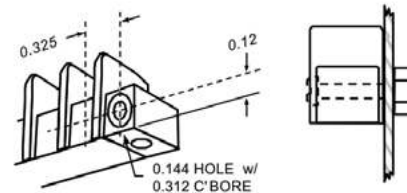
07 Terminal Bend Configurations



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



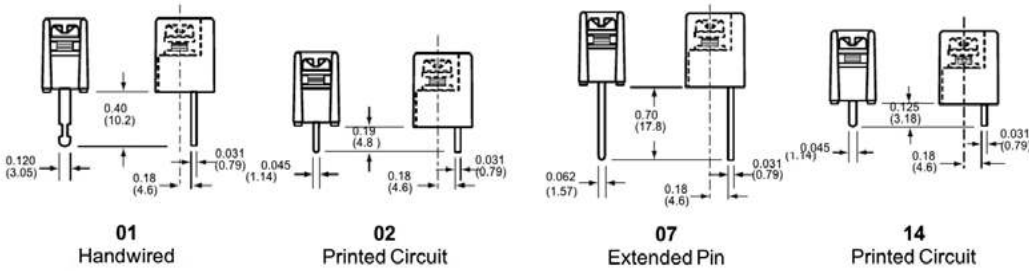
Option DR

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

Part Numbering System

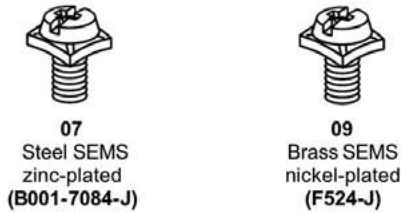
Family	Terminal Style	Base/End	Poles	Screw Options	Options
<div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">C</div> <div style="border: 1px solid black; padding: 2px 5px;">B</div> <div style="border: 1px solid black; padding: 2px 5px;">2</div> </div> <p>CB2 - closed back</p>	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <p>01 - handwired 02 - printed circuit 07 - extended pin 14 - printed circuit</p>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div> <p>1 - mount end 2 - barrier end</p>	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <p>02 to 26 on barrier end 02 to 24 on mount end</p>	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <p>Blank—std. screws 07 - steel SEMS standard 09 - brass SEMS nickel-plated</p>	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <p>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)</p>

Terminal Styles Inches (Millimeters)



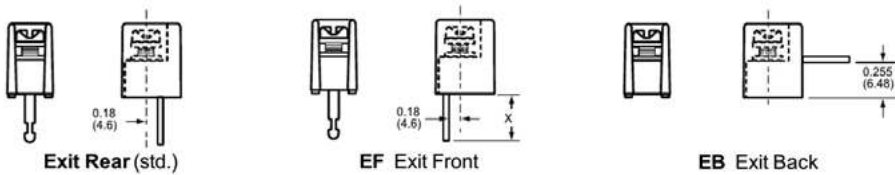
Screw Options

(Bulk ordering part numbers are in parentheses)



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

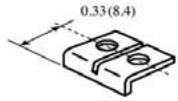
CB2 Terminal Exit Options Inches (Millimeters)



Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

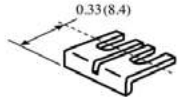
Jumpers



†JA
(JA2-XX-J)



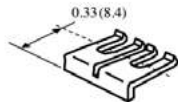
†OJ2
(OJ2-J)



†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)



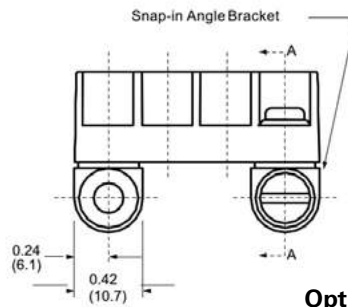
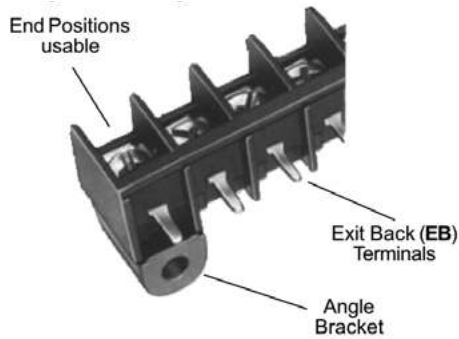
A8 & B8
(2A8-J & 2B8-J)



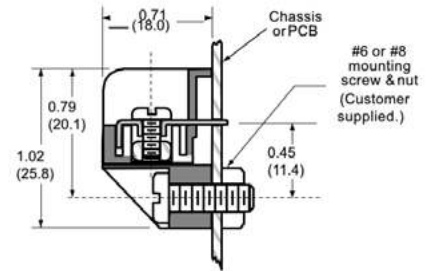
A9 & B9
(2A9-J & 2B9-J)

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket



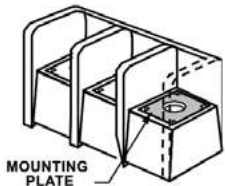
Option AB



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**.

Tools & resources

- [Webpage](#)
- [Terminal block selector tool](#)
- [Terminal block cross reference](#)
- [Contact us](#)

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