

Series A3000, LP3000 & CB3000

Single Row Terminal Blocks

SPECIFICATIONS

Rating: A3: 30A, 600V* #12-22 AWG
 LP3: 30A, 150V #12-22 AWG
 CB3: 30A, 600V #12-22 AWG

Wire Range: #12-22 AWG CU

Center Spacing: .437" or 7/16" (11.10 mm)

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

Torque Rating: 9 in-lb.

Base: Standoffs standard for easy flux washing.

Distance Between Barriers: .32" (8.1 mm)

Recommended PCB Hole Diameter: .076" (1.93 mm)

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)

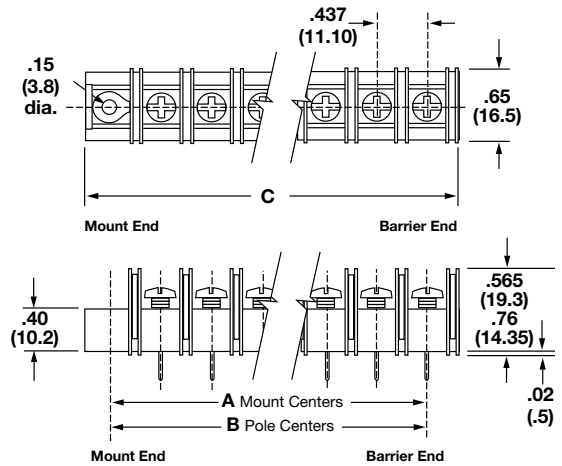
Agency Information: UL/CSA; IEC Compliance, CE Certified

A31940707WR

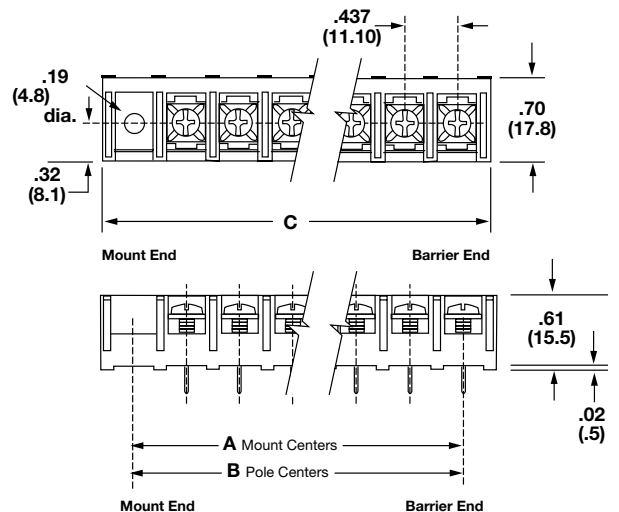
LP301105

CB31420807

A3000 & LP3000 Series



CB3000 Series



*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 B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.31	1.73	.43	.98
03	1.75	2.17	.87	1.43
04	2.18	2.61	1.31	1.87
05	2.62	3.05	1.75	2.31
06	3.06	3.48	2.18	2.75
07	3.50	3.92	2.62	3.18
08	3.93	4.36	3.06	3.62
09	4.37	4.80	3.50	4.06
10	4.81	5.23	3.93	4.50
11	5.25	5.67	4.37	4.93
12	5.68	6.11	4.81	5.37
13	6.12	6.55	5.25	5.81
14	6.56	6.98	5.68	6.25
15	7.00	7.42	6.12	6.68
16	7.43	7.86	6.56	7.12
17	7.87	8.30	7.00	7.56
18	8.31	8.73	7.43	8.00
19	8.75	9.17	7.87	8.43
20	9.18	9.60	8.31	8.87
21	9.62	10.05	8.50	9.31
22	10.06	10.48	9.18	9.75
23	10.50	10.92	9.62	10.18
24	10.93	11.36	10.06	10.62
25	11.37	11.80	10.50	11.06
26	11.81	12.23	10.93	11.50
27			11.37	11.93
28			11.81	12.37

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

Series A3000 & LP3000

Single Row Terminal Blocks

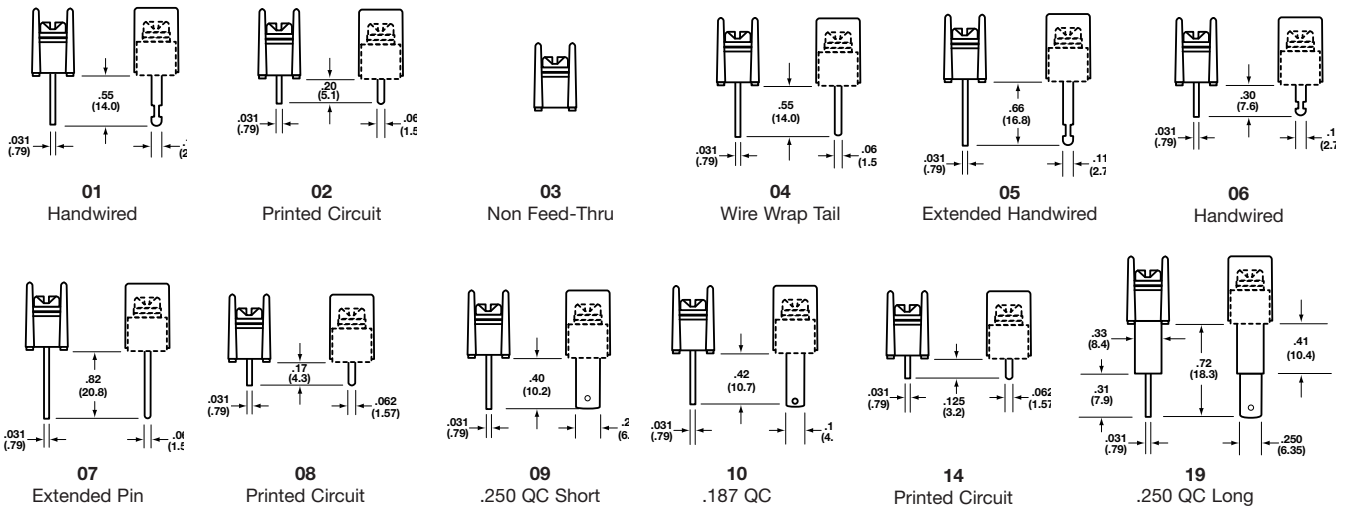
Part Numbering System

Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
A3					
LP3					
A3 - standard barrier LP3 - low profile barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 05 - extended handwired 06 - handwired 07 - extended pin 08 - printed circuit 09 - .250 QC short 10 - .187 QC 14 - printed circuit 19 - .250 QC long	1 - flat base/mnt. end 2 - flat base/barrier end 3 - insulator base/mnt. end 4 - insulator base/barrier end 5 - closed base/mount end	02 to 28 02 to 26 on mount end base	Blank - std. screw 00 - screws shipped bulk 03 - stainless steel 04 - brass nickel plated 07 - steel SEMS zinc plated (not available with hardware options) 09 - brass SEMS nickel plated (not available with hardware options) 03CA - stainless steel captive 04CA - brass captive 07CA - SEMS captive 09CA - brass SEMS captive 07WR - steel SEMS wire ready (A3 only)	AB - angle mnt. options (pg 15) A1 to A9 - .250" QC B1 to B9 - .187" QC DR - drilled right angle (pg 15) J201 - flat slip-on jumper L1 to L6 marking options (pg 22) MP, MP8 & MT mounting plates (pg 15) OJ3, OJ5 & OJ7 - over barrier jumpers RC - retaining clips (pg 15) R30 to R77 - right angle bends (pg 15) SO - stand off insulators (pg 15) S1 - solder lug/flat Covers - (pg 23)

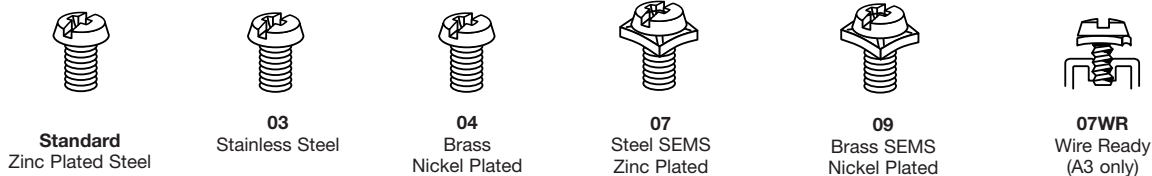
Base/End Note: 5 Style only available with 03 terminals.

Terminal Styles

Inches (Millimeters)



Screw Options



Series A3000 & LP3000

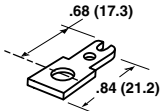
Single Row Terminal Blocks *Continued*

Hardware Options

(Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs



S1
(2S1)



J201
Flat slip-on

Jumpers



OJ3



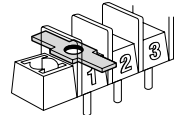
OJ7
LP3 Only



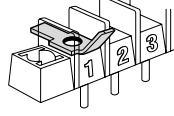
OJ5

Quick Connects

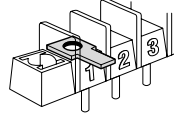
Blade Width A = .250" Blade Width B = .187"



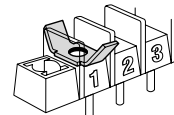
A1 & B1
(2A1 & 2B1)



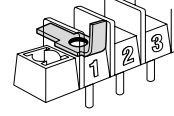
A4 & B4
(2A4 & 2B4)



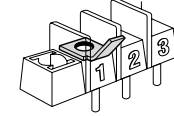
A7 & B7
(2A7 & 2B7)



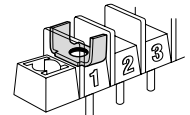
A2 & B2
(2A2 & 2B2)



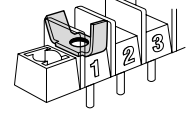
A5 & B5
(2A5 & 2B5)



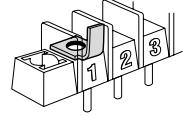
A8 & B8
(2A8 & 2B8)



A3 & B3
(2A3 & 2B3)

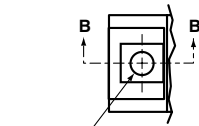


A6 & B6
(2A6 & 2B6)

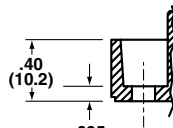


A9 & B9
(2A9 & 2B9)

Base/End Options



.150 dia. (3.8)
mounting holes (2)



SECTION B-B

1, 3 & 5 Mount End

Series A3000 & LP3000

Single Row Terminal Blocks *Continued*

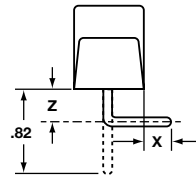
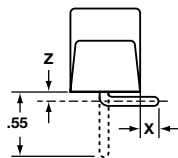
Mounting Options

Right Angle Bends (A3, LP3 only)

Right angle terminals are offered on the A3000 & LP3000 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 no.

07 Terminal Bend Configurations

04 Terminal Bend Configurations

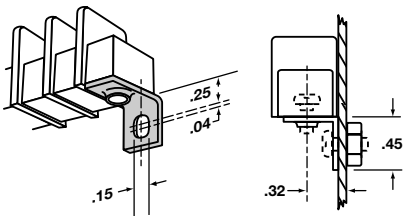


Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.28	No
R35	.01	.23	No
R36	.02	.22	No
R39	.05	.19	No
R42	.08	.16	No
R46	.12	.12	No
R48	.14	.10	No
R50	.16	.08	No

Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.55	Yes
R35	.01	.50	Yes
R36	.02	.49	Yes
R50	.16	.35	No
R53	.19	.32	No
R66	.32	.19	No
R69	.35	.16	No
R75	.41	.10	No
R77	.43	.08	No

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

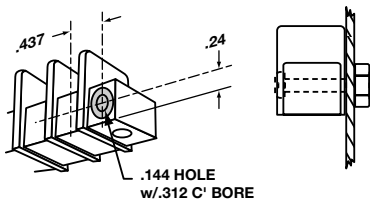
Angle Brackets (A3, LP3 only)



Option AB

Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part no. **2AB**.

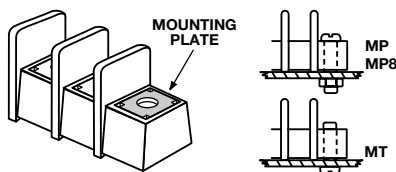
Drilled Right Angle (A3, LP3 only)



Option DR

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

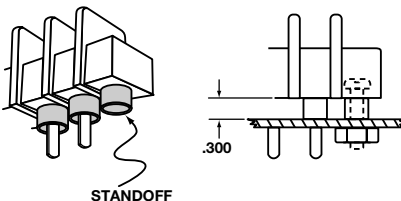
Mounting Plates



Options MP, MP8 & MT

MP Metal inserts with .150" dia. hole accept #6 screw. **MP8** Metal inserts with .187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

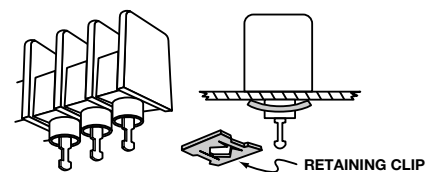
Standoffs



Option SO

Standoff mounts are tubes molded to the mounting positions. Available with insulator bases only.

Retaining Clip



Option RC

Use on standoff tubes. Fit panels up to .125" thick. Two clips for every five positions. Supplied unassembled. Bulk Part No. **H541**.

Series CB3000

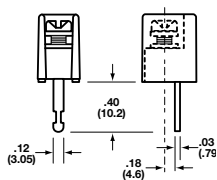
Single Row Terminal Blocks

Part Numbering System

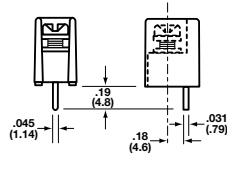
Series	Terminal Style	Base/End	Poles	Screws	Options
C B 3					
CB3 - closed back	01 - handwired #6-32 screw 02 - printed circuit #6-32 screw 03 - non feed-thru #6-32 screw 07 - extended pin #6-32 screw 14 - printed circuit #6-32 screw 51 - handwired #8-32* 52 - printed circuit #8-32* 53 - non feed-thru #8-32* 57 - extended pin #8-32* 64 - printed circuit #8-32*	1 - mount end 2 - barrier end 5 - closed base/ mount end	02 to 28 02 to 26 on mount end base	07 - steel SEMS 09 - brass SEMS nickel plated 07CA - SEMS captive	AB - angle mounting brackets (pg 17) A7 to A9 - .250" QC B7 to B9 - .187" QC EB - exit back terminals L1 to L6 marking options (pg 22) LT1 to LT6 marking options (pg 22) OJ3 & OJ7 - over barrier jumpers MP, MP8, MT & MT8 mtg. plates (pg 17) S1 - solder lug/flat Covers - (pg 23)
	*Note: #8-32 screw is a special with #6-32 head.	Base/End Note: 5 Style only available with 03 terminals.			

Terminal Styles

Inches (Millimeters)



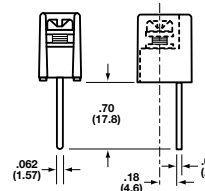
01
Handwired #6-32 screw
51
#8-32 screw



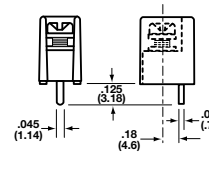
02
Printed Circuit #6-32 screw
52
#8-32 screw



03
Non Feed-Thru #6-32 screw
53
#8-32 screw
Available on Mount End (5) only.



07
Extended Pin #6-32 screw
57
#8-32 screw



14
Printed Circuit #6-32 screw
64
#8-32 screw

Screw Options



07
Steel SEMS
Zinc Plated

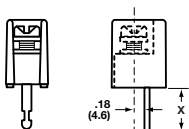


09
Brass SEMS
Nickel Plated

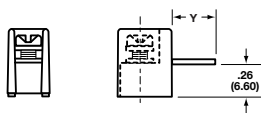
* NOTE: Wire ready screws standard on all terminal styles.

CB3 Terminal Exit Options

Inches (Millimeters)



Exit Rear (std.)



EB
Exit Back

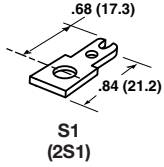
Series CB3000

Single Row Terminal Blocks

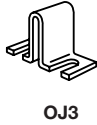
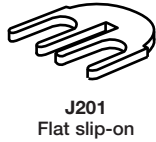
Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

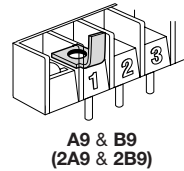
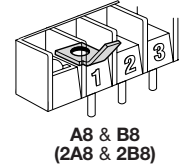
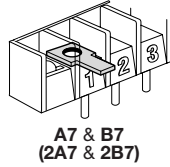


Jumpers



Quick Connects

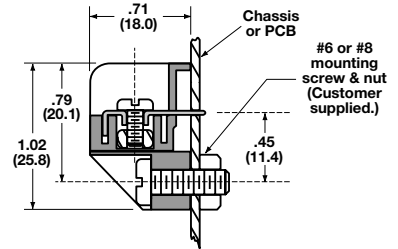
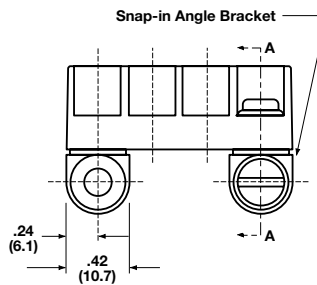
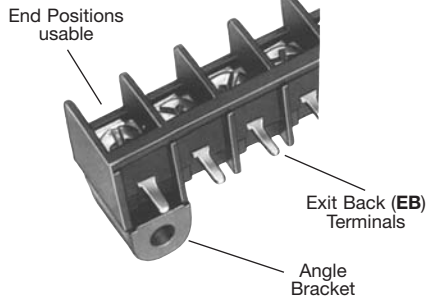
Blade Width A = .250". Blade Width B = .187".



Mounting Options

Inches (Millimeters)

Right Angle Mounting Bracket

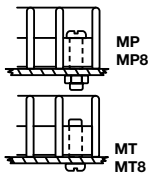
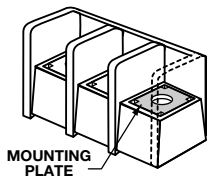


Option AB

Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- 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).

Mounting Plates



Options MP, MP8, MT & MT8

MP Metal inserts with .150" dia. hole accept #6 screw.

MP8 Metal inserts with .187" dia. hole accept #8-32 screw.

MT Metal inserts with tapped hole accept #6-32 screw.

MT8 Metal inserts with tapped hole accept #8-32 screw.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

[A302205](#) [A304203](#) [CB30221107](#) [CB30221407](#) [CB30720407](#) [LP301109](#) [LP301305](#) [LP301310](#) [LP301324](#)
[LP301404](#) [LP302103](#) [LP302104](#) [LP302106](#) [LP302203](#) [LP302207](#) [LP302214](#) [LP302228](#) [LP303110](#) [LP303502](#)
[LP303505](#) [LP303510](#) [LP304102](#) [LP304104](#) [LP304108](#) [LP304124](#) [LP304305](#) [LP305306](#) [LP305310](#) [LP306104](#)
[LP306112](#) [LP306116](#) [LP307102](#) [LP307103](#) [LP307104](#) [LP307105](#) [LP307106](#) [LP307108](#) [LP307202](#) [LP307206](#)
[LP309103](#) [LP309106](#) [LP310303](#) [LP319303](#) [LP319304](#) [LP319308](#) [LP319310](#) [CB30220307](#) [CB35221107](#)
[CB30220607](#) [A301116](#) [A302116](#) [A302206](#) [A303110](#) [A302209](#) [A301105](#) [A301103](#) [A302211](#) [A304404](#) [A302210](#)
[A302204](#) [A302202](#) [CB30221007](#) [CB35221207](#) [CB35210207](#) [A319303](#) [A309102](#) [CB35220607](#) [A319306](#) [A319314](#)
[A303506](#) [A302207](#) [A302208](#) [CB35221009](#) [A301104](#) [CB30220209](#) [CB30220407](#) [A302214](#) [A302107](#) [A302218](#)
[A305106](#) [A305307](#) [A302216](#) [A308203](#) [A309103](#) [A309106](#) [A307310](#) [A308206](#) [A304309](#) [A305303](#) [A308104](#)
[A307105](#) [A304405](#) [A304304](#) [A304106](#) [A308208](#) [A307110](#) [A307107](#) [A304103](#) [A303504](#) [A303108](#)