

Series A3000, LP3000 & CB3000 Single Row Terminal Blocks

SPECIFICATIONS

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

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

Wire Size: #12-22 AWG CU

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

Torque Rating: 9 in.-lb. max.

Base: Standoffs standard for easy flux washing.

Distance Between Barriers: .32" (8.1 mm)

Recommended PCB Hole Diameter: .076" (1.93 mm);
 .062" (1.59 mm) on .045" terminals

Operating Temperature: 105°F (221°F) max., -40°C
 (-40°F) min.

Molded Material: Black, UL Rated 94VO Thermoplastic

Breakdown Voltage: 3500V rms (A3 & LP3); 8200V rms (CB3)

Approvals: UL E62622; CSA LR15364; IEC Compliance,
 CE Certified

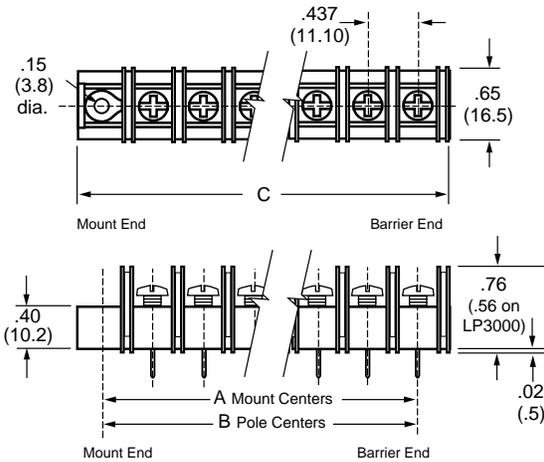
*30A Rating achieved with a #10 copper wire crimped to a ring terminal;
 20 Rating without ring terminal.



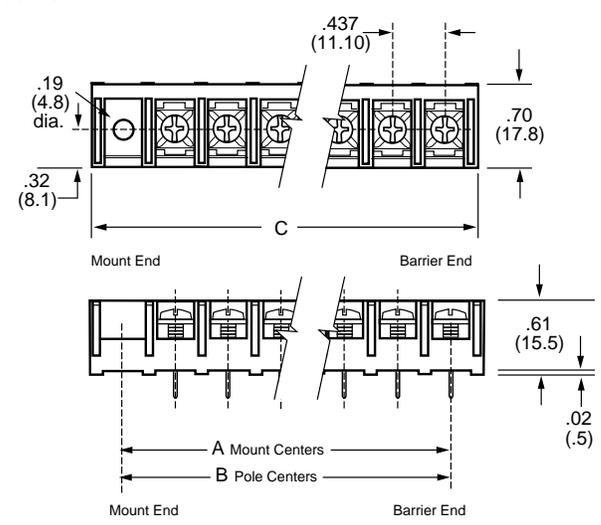
Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.31	1.73	.43	.98
03	1.75	2.17	.87	1.43
04	2.18	2.61	1.31	1.87
05	2.62	3.05	1.75	2.31
06	3.06	3.48	2.18	2.75
07	3.50	3.92	2.62	3.18
08	3.93	4.36	3.06	3.62
09	4.37	4.80	3.50	4.06
10	4.81	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.

A3000 & LP3000 Series



CB3000 Series



MAGNUM®

Series A3000 & LP3000 Single Row Terminal Blocks

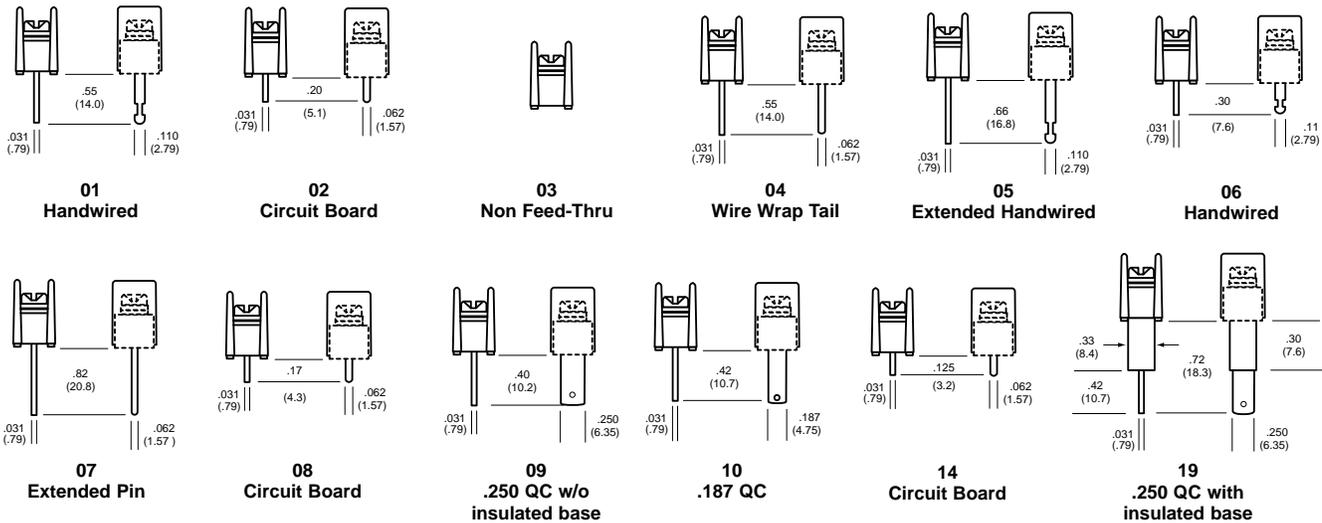
Part Numbering System

Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
A3 - standard barrier LP3 - 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 - .250 QC w/o insulated base 10 - .187 QC 14 - printed circuit 19 - .250 QC with insulated base	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 (N/A on LP3)	AB - angle mnt. options (pg 16) A1 to A9 - .250" QC B1 to B9 - .187" QC DR - drilled right angle (pg 16) J201 - flat slip-on jumper L1 to L6 marking options (pg 23) MP, MP8 & MT mounting plates (pg 16) OJ3 & OJ4 - over barrier jumpers RC - retaining clips (pg 16) R30 to R77 - right angle bends (pg 16) SO - stand off insulators (pg 16) S1 - solder lug/flat

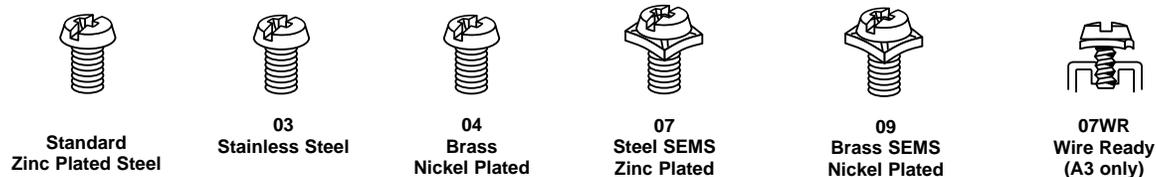
Base/End Note: 3, 4 styles not available with 02, 03, 06, 08, 09 & 14 terminals.
5 Style only available with 03 terminals.

Terminal Styles

Inches (Millimeters)



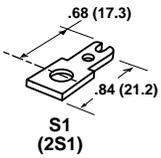
Screw Options



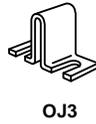
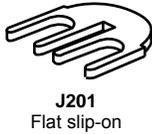
Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

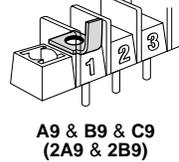
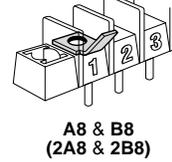
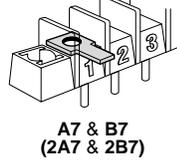
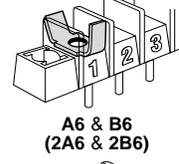
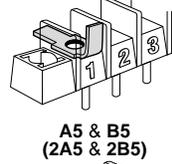
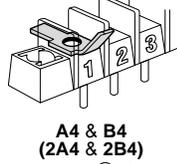
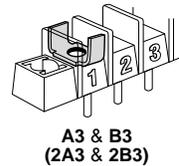
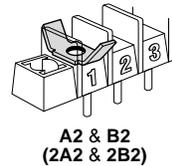
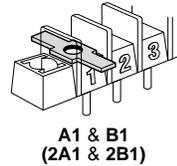


Jumpers

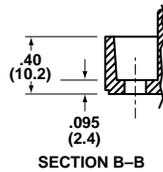
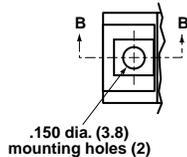


Quick Connects

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



Base/End Options



1, 3 & 5 Mount Ends

MAGNUM®

Series A3000 & LP3000

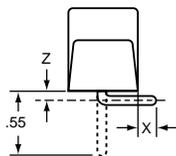
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A3, LP3 only)

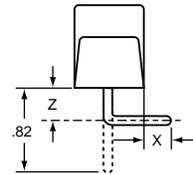
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part no.

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

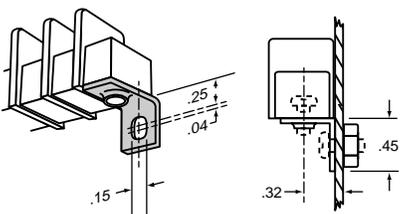
07 Terminal Bend Configurations



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.

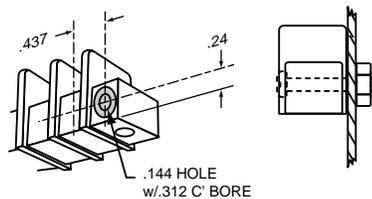
Angle Brackets (A3, LP3 only)



Option AB

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

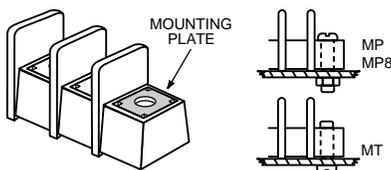
Drilled Right Angle (A3, LP3 only)



Option DR

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

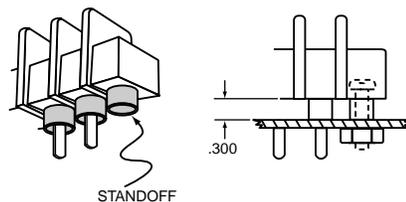
Mounting Plates



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.

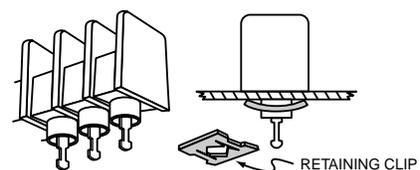
Standoffs



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**.

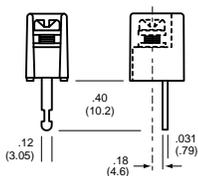
Series CB3000
Single Row Terminal Blocks

Part Numbering System

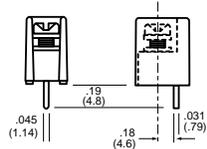
Series	Terminal Style	Base/End	Poles	Screws	Options
CB3	nn	n	nn	nnnn	nnn
CB3 - closed back	01 - handwired #6-32 screw 02 - circuit board #6-32 screw 03 - non feed-thru #6-32 screw 07 - extended pin #6-32 screw 14 - circuit board #6-32 screw 51 - handwired #8-32 screw 52 - circuit board #8-32 screw 53 - non feed-thru #8-32 screw 57 - extended pin #8-32 screw 64 - circuit board #8-32 screw	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 18) A7 to A9 - .250" QC B7 to B9 - .187" QC EB - exit back terminals EF - exit front terminals L1 to L6 marking options (pg 23) LT1 to LT6 marking options (pg 23) OJ3 & OJ7 - over barrier jumpers MP, MP8, MT & MT8 mtg. plates (pg 18) S1 - solder lug/flat
		Base/End Note: 5 Style only available with 03 terminals.			

Terminal Styles

Inches (Millimeters)



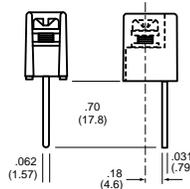
01
Handwired #6-32 screw
51
#8-32 screw



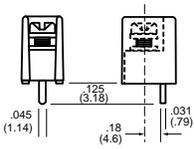
02
Circuit Board #6-32 screw
52
#8-32 screw



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



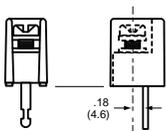
07
Extended Pin #6-32 screw
57
#8-32 screw



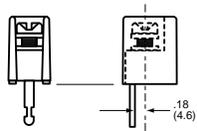
14
Circuit Board #6-32 screw
64
#8-32 screw

CB3 Terminal Exit Options

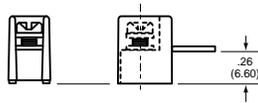
Inches (Millimeters)



Exit Rear (std.)



EF
Exit Front



EB
Exit Back

Screw Options

Wire ready screws standard on all terminal styles



07
Steel SEMS
Zinc Plated



09
Brass SEMS
Nickel Plated

MAGNUM.

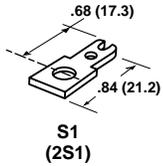
Series CB3000

Single Row Terminal Blocks *Continued*

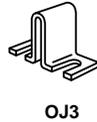
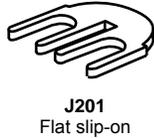
Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

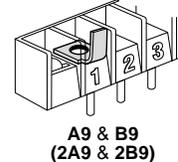
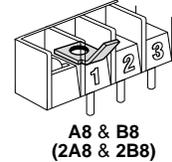
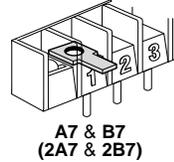


Jumpers



Quick Connects

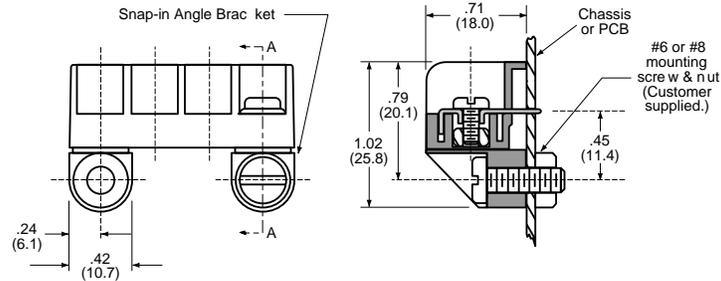
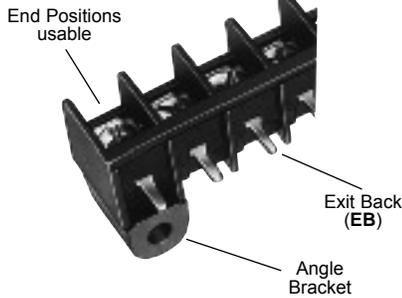
Blade Width A = .250". Blade Width B = .187".



Mounting Options

Inches (Millimeters)

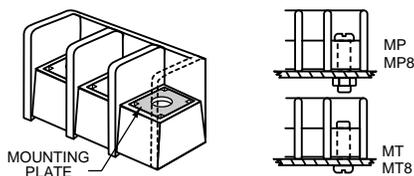
Right Angle Mounting Bracket



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.