

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

Screw Size: #6-32 zinc-plated philslot 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;

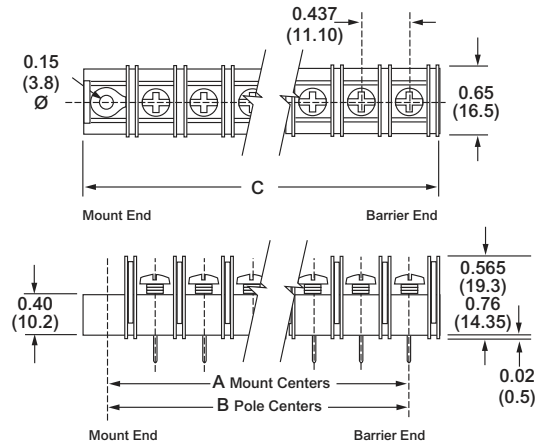
IEC Compliance, CE Certified

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

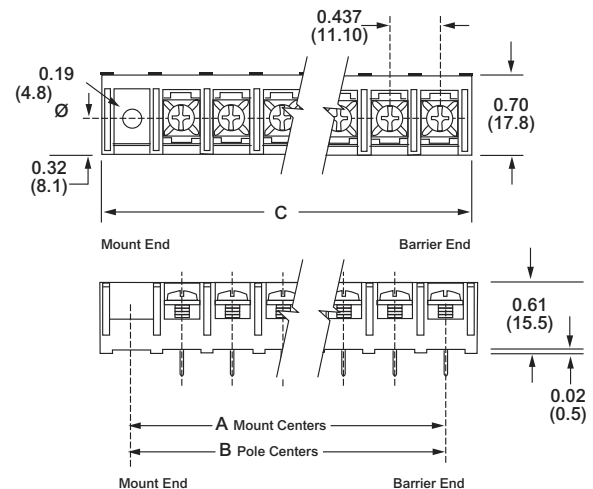


Dimensions - in (mm)

A3000 & LP3000 Series



CB3000 Series



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	0.43	0.98
03	1.75	2.17	0.87	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.

Terminal Blocks:
Single & Double Row

EuroMag Series

Terminal Blocks:
Base & Rail Mount

Power Distribution
Blocks

Wire Management
Products

Edge Connectors,
One-Sided Boards

Compliance
References

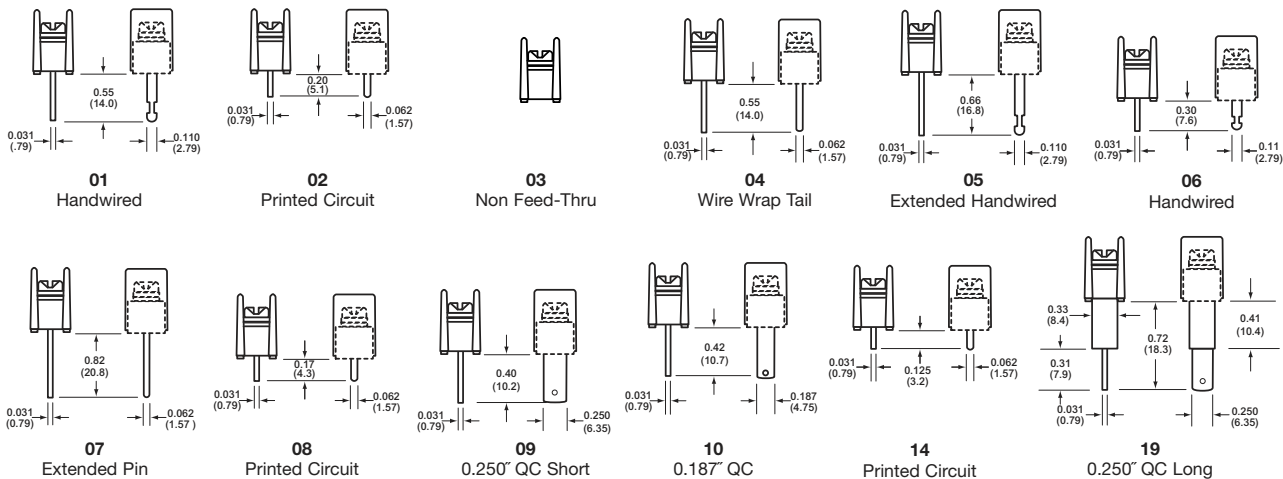
Series A3000 & LP3000
Single Row Terminal Blocks

Part Numbering System

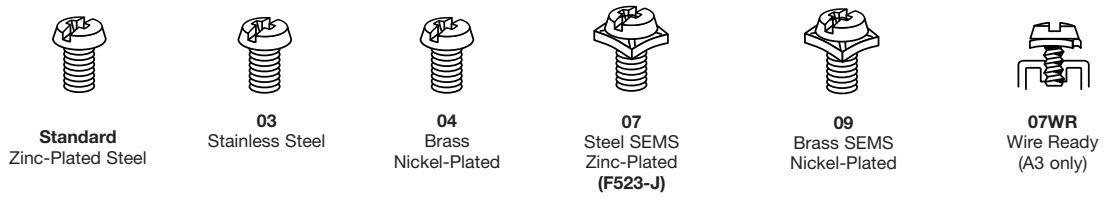
Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
A3					
LP3					
A3 - standard barrier LP3 - low profile barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 05 - extended handwired 06 - handwired 07 - extended pin 08 - printed circuit 09 - 0.250 QC short 10 - 0.187 QC 14 - printed circuit 19 - 0.250 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) 07WR - steel SEMS wire ready (A3 only) CA - captive screw	AB - angle mnt. options (pg 15) A1 to A9 - 0.250" QC B1 to B9 - 0.187" 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) RC - retaining clips (pg 15) † OJ3, OJ5 & OJ7 - over barrier jumpers R30 to R77 - right angle bends (pg 15) SO - stand off insulators (pg 15) S1 - solder lug/flat
		*Base/End Note: 5 Style only available with 03 terminals.			†Contact factory for configuration.

ready (A3 only)

Terminal Styles Inches (Millimeters)



Screw Options



Terminal Blocks: Single & Double Row

EuroMag Series

Terminal Blocks: Base & Rail Mount

Power Distribution Blocks

Wire Management Products

Edge Connectors, One-Sided Boards

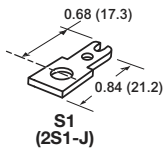
Compliance References

Series A3000 & LP3000
Single Row Terminal Blocks *Continued*

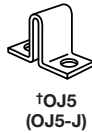
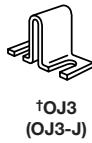
Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

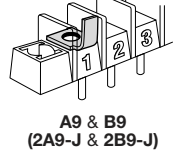
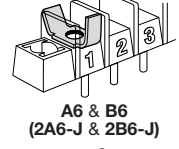
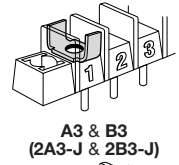
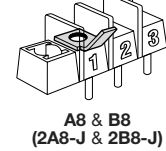
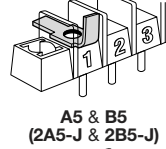
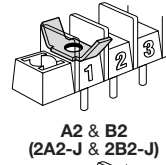
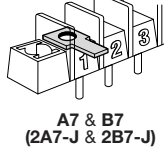
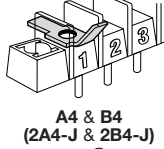
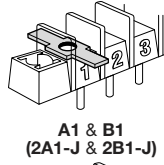


Jumpers



Quick Connects

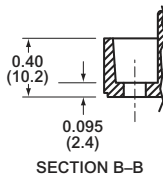
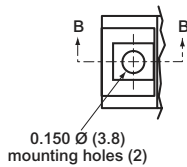
Blade Width A = 0.250" Blade Width B = 0.187"



†Contact factory for pole configuration.

Base/End Options

Inches (Millimeters)



1, 3 & 5 Mount End

Terminal Blocks:
Single & Double Row

EuroMag Series

Terminal Blocks:
Base & Rail Mount

Power Distribution
Blocks

Wire Management
Products

Edge Connectors,
One-Sided Boards

Compliance
References

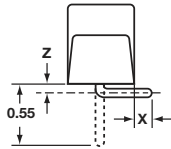
Series A3000 & LP3000
Single Row Terminal Blocks *Continued*

Mounting Options Inches (Millimeters)

Right Angle Bends (A3, LP3 only)

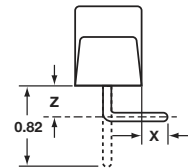
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.

04 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.28	No
R35	0.01	0.23	No
R36	0.02	0.22	No
R39	0.05	0.19	No
R42	0.08	0.16	No
R46	0.12	0.12	No
R48	0.14	0.10	No
R50	0.16	0.08	No

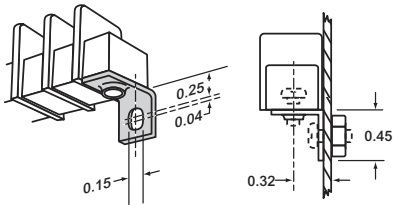
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.55	Yes
R35	0.01	0.50	Yes
R36	0.02	0.49	Yes
R50	0.16	0.35	No
R53	0.19	0.32	No
R66	0.32	0.19	No
R69	0.35	0.16	No
R75	0.41	0.10	No
R77	0.43	0.08	No

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

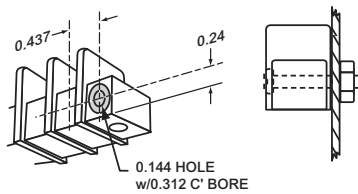
Angle Brackets (A3, LP3 only)



Option AB

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

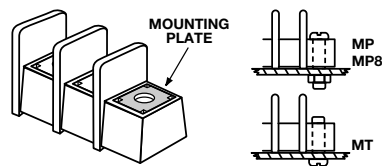
Drilled Right Angle (A3, LP3 only)



Option DR

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

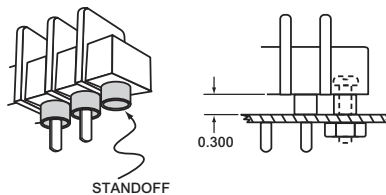
Mounting Plates



Options MP, MP8 & MT

MP Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

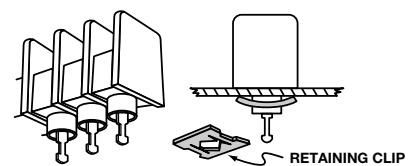
Standoffs



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 0.125" thick. Two clips for every five positions. Supplied unassembled. Bulk part number **H541-J**.

All Series Marking Options

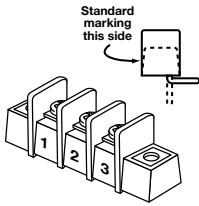
Single Row Terminal Blocks

Marking Options & Accessories

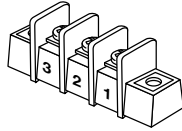
Standard Marking

Markings are applied directly to the sides of Series 1000, 2000, 3000, and 4000. Standard characters are white and 1/8" high. Factory may substitute 3/32" high characters.

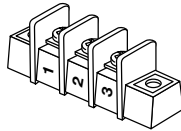
Blocks to be marked on both sides require a different code for each side. Example: "L1" on one side of the block requires "L2" on the other side to ensure common terminal marking. Specify by adding suffix to part number.



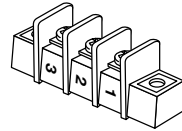
L1
Upright Numerals
Left to Right



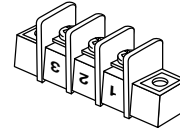
L2
Upright Numerals
Right to Left



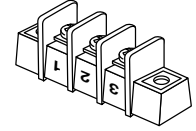
L3
Left Lying Numerals
Left to Right



L4
Right Lying Numerals
Right to Left



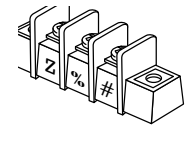
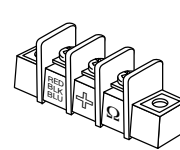
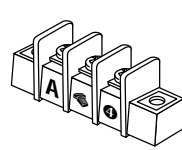
L5
Upside-Down Numerals
Right to Left



L6
Upside-Down Numerals
Left to Right

Special Marking

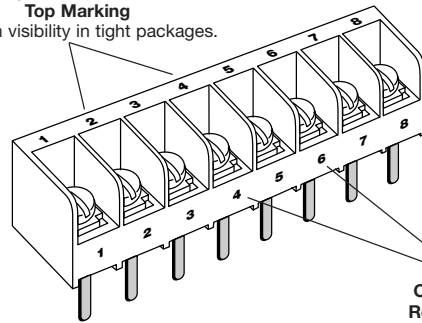
Special markings are available for Series 1000, 2000, 3000, 4000 & 5000 at an additional charge for preparation. Production charges for setup, handling and marking are the same as for standard marking and the same quantity discounts apply. Consult factory for price and delivery.



Closed Barrier Terminal Block Marking Options

- L1 & LT1 = Upright numerals, numbered from left to right
- L2 & LT2 = Upright numerals, numbered from right to left
- L3 = Left lying numerals, numbered from left to right
- L4 = Right lying numerals, numbered from right to left
- L5 & LT5 = Upside down numerals, numbered from right to left
- L6 & LT6 = Upside down numerals, numbered from left to right

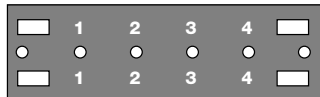
Options LT1 - LT6
Top Marking
For high visibility in tight packages.



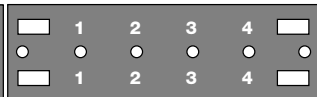
Options L1 - L6
Regular Marking

Marker Strips

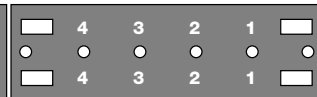
Black marker strips with white numerals mount beneath the terminal blocks to clearly identify terminal and wire positions. Available with forward or reverse markings, top or bottom of strip. If special markings are required, submit a drawing.



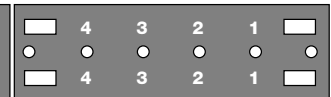
Bottom Forward - **BF**



Top Forward - **TF**



Bottom Reverse - **BR**



Top Reverse - **TR**

Series



- MS1** - 1000 Series
- MS2** - 2000 Series
- MS3** - 3000 Series

Base



- 1** - mount end, feed thru
- 2** - barrier end, feed thru
- 3** - mount end, insulator tubes
- 4** - barrier end, insulator tubes
- 5** - mount end, non feed-thru

Poles



02 to 36

Marking



- BF** - bottom forward
- TF** - top forward
- BR** - bottom reverse
- TR** - top reverse

All Series Accessories

Single Row Terminal Blocks *Continued*

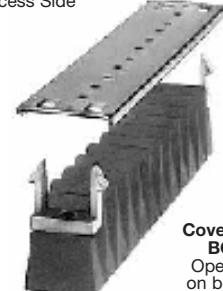
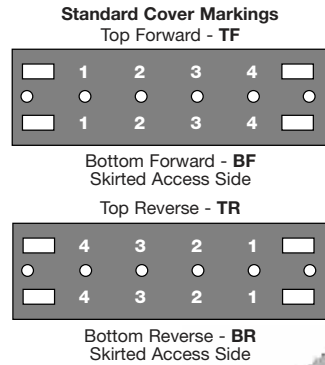
Cover Options - Single Row

Terminal Block Covers

Available for Series A1000, A2000, A3000, A4000, CB2000, CB3000, LP2000, & LP3000.
 Three styles of UL 94V0 thermoplastic covers are offered in black. Covers are ordered separately and supplied with two clips each, unless ordered without clips. Optional markings may be specified (black on yellow; white on black).

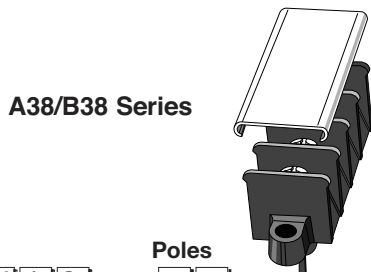
Notes: Covers can not be used with: • mounting plate options MP & MT.
 • certain quick connect terminals.
 • 0, 6, & 9 base/end styles on A2 or A3

Bulk Cover Clips: Series 1000 = **CC1-J**; Series 2000 & 3000 = **CC2-J**; Series 4000 = **CC4-J**.



Cover	Series	Poles	Markings	Options
BB - skirted access, both sides, black BO - skirted access, one side, black BC - open access, both sides, black* * Not available in 4000 Series	1 - 1000 2 - 2000 3 - 3000 4 - 4000	02 to 36	BF - bottom forward TF - top forward BR - bottom reverse TR - top reverse	00 - without clips

Snap-On Covers for A38/B38/F38 Series & CB2/CB3 Series



Poles

TAB	-		A38 Series
TBB	-		B38 Series
FBB	-		F38 Series

Poles

T02	-		CB2 Series
T03	-		CB3 Series

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