Single Row Terminal Blocks

**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 philslot

- **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.

**Dimensions - in (mm)**

<table>
<thead>
<tr>
<th>Poles</th>
<th>Mount Ctrs.</th>
<th>C Length</th>
<th>Barrier &amp; Mounting ENDS</th>
<th>Barrier ENDS</th>
<th>B Pole Ctrs.</th>
<th>Length</th>
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</tbody>
</table>

*Dimensions in inches. To convert to millimeters, multiply by 25.4.
Series A2000 & LP2000
Single Row Terminal Blocks

Part Numbering System

Series  | Terminal Style | Base/End | Poles | Screw Options | Options
-------|---------------|---------|-------|---------------|-------
A2      | 01 - handwired |         | 02 to 32 | Blank - std. screw | AB - angle mnt. options (pg 9)
L P 2   | 02 - printed circuit | | | 00 - screws shipped bulk | A1 to A9 - 0.250” QC
| 03 - non feed-thru | | | 03 - stainless steel | B1 to B9 - 0.187” QC
| 04 - wire wrap tail | 02 to 30 | | 04 - brass nickel-plated | DR - drilled right angle (pg 9)
| 05 - extended handwired | on mount | | 07 - steel SEMS | JA, JB & JC - barrier jumpers
| 06 - handwired | end base | | (not available with hardware options) | L1 to L6 marking options (pg 22)
| 07 - extended pin | | | 09 - brass SEMS nickel-plated | MP, MP8 & MT mounting plates (pg 9)
| 08 - printed circuit | | | (not available with hardware options) | †OJ2 & OJ4 - over barrier jumpers (not available w/ covers)
| 09 - 0.250” QC short | | | CA - captive screw | RC - retaining clips (pg 9)
| 10 - 0.187” QC | | | WR - wire ready | R30 to R77 - right angle bends (pg 9)
| 14 - printed circuit | | | (not available on LP2 series) | SO - stand off insulators (pg 9)
| 19 - 0.250” QC long | | | †Contact factory for configuration. | S1 - solder lug/flat

Base/End Note: 0, 6, 9 styles not available with covers. 5 & 6 Styles only available with 03 terminals.

Terminal Styles

Inches (Millimeters)

01  Handwired
0.021 (0.54)  0.110 (2.80)

02  Printed Circuit
0.831 (21.1)  0.893 (22.7)

03  Non Feed-Thru
0.40 (10.2)  0.55 (14.0)

04  Wire Wrap Tail
0.062 (1.57)  0.031 (0.79)

05  Extended Handwired
0.021 (0.54)  0.110 (2.80)

06  Handwired
0.831 (21.1)  0.893 (22.7)

07  Extended Pin
0.84 (21.3)  0.833 (21.1)

08  Printed Circuit
0.831 (21.1)  0.893 (22.7)

09  0.250” QC short
0.42 (10.7)  0.40 (10.2)

10  0.187” QC
0.42 (10.7)  0.40 (10.2)

14  Printed Circuit
0.831 (21.1)  0.893 (22.7)

19  v0.250” QC long
0.021 (0.54)  0.110 (2.80)

For additional product information, visit www.cooperbussmann.com/magnum
Terminal Blocks - Single Row

Series A2000 & LP2000
Single Row Terminal Blocks  Continued

Screw Options

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

Base/End Options

Inches (Millimeters)

For additional product information, visit www.cooperbussmann.com/magnum
Series A2000 & LP2000  
Single Row Terminal Blocks  Continued

Mounting Options

Right Angle Bends (A2, LP2 only)
Right angle terminals are offered on the A2000 & LP2000 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.

### 07 Terminal Bend Configurations

<table>
<thead>
<tr>
<th>Bend Option Code</th>
<th>X (minimum)</th>
<th>Z</th>
<th>Available w/insulator base</th>
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</thead>
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<td>R77</td>
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</tbody>
</table>

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

**Angle Brackets (A2, LP2 only)**
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number 2AB-J.

**Drilled Right Angle (A2, LP2 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.
Terminal Blocks - Single Row

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.

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

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.

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

Options L1 - L6
Regular Marking

Marker Strips

Bottom Forward - BF
Top Forward - TF
Bottom Reverse - BR
Top Reverse - TR

Series

Base

Poles

Marking

Series Forward - BF
Base Forward - TF
Poles Forward - BR
Marking Forward - TR

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

02 to 36

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

For additional product information, visit www.cooperbussmann.com/magnum
Cover Options - Single Row

Terminal Block Covers


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 Options

BB & CB Skirted access on both sides.

BO & CO Skirted access on one side only.

BC & TC Open access on both sides.

Standard Cover Markings

Top Forward - TF

Top Reverse - TR

Bottom Forward - BF

Bottom Reverse - BR

A38/B38 Series

CB2/CB3 Series

For additional product information, visit www.cooperbussmann.com/magnum