

Series A4000 & Series B4000  
Single Row Terminal Blocks

SPECIFICATIONS

**Rating:** See table.  
**Center Spacing:** 0.562" or 9/16" (14.28mm)  
**Wire Range:** See rating table.  
**Screw Size:** #8-32 or #10-32 zinc-plated slotted screws  
**Torque Rating:** #8 screw size 16 lb-in.; #10 screw size 20 lb-in.  
**Distance Between Barriers:** 0.47" (11.9mm)  
**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.  
**Molded Material:** Black, UL Rated 94V0 Thermoplastic  
**Hardware:** Bottom studs supplied with nuts assembled. Cup washers are optional on bottom studs but are not recommended with ring terminals.  
**Extended Hex Nuts:** Optional extended, slotted hex nuts enable easier installation and removal with hex wrench or screwdriver. Available in bulk for the #10-32 studs on Series A4953 blocks. Specify part number F582 and quantity.  
**Breakdown Voltage:** 6100V  
**Agency Information:** UL File E62622, CSA File 47235; CE Certified

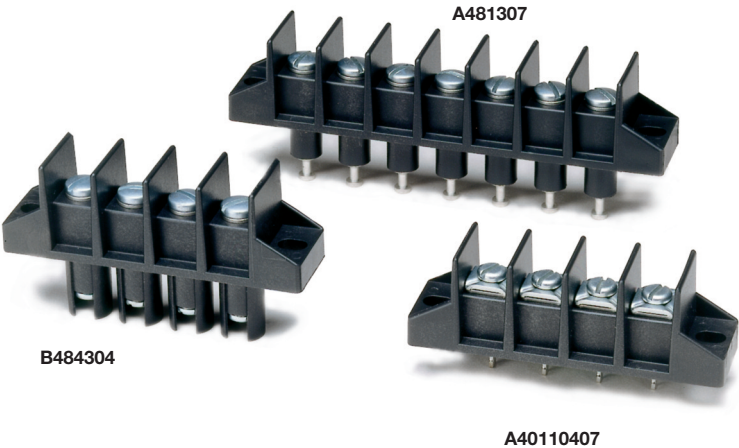
RATING TABLE

| Part Number | Terminal Top | Terminal Bottom | Wire* Range Cu | Ratings* Volts/Amps |
|-------------|--------------|-----------------|----------------|---------------------|
| A4003XX     | # 8 Screw    | #8 Stud         | 8-16 AWG       | 150V/50A            |
| A4011XX     | # 8 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4013XX     | # 8 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4035XX     | # 8 Screw    | Closed          | 8-16 AWG       | 600V/50A            |
| A4041XX     | #10 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4043XX     | #10 Screw    | Solder          | 10-16 AWG      | 600V/35A            |
| A4803XX     | #10 Screw    | #8 Stud         | 8-16 AWG       | 150V/50A            |
| A4813XX     | #10 Screw    | Solder Turret   | 10-16 AWG      | 600V/35A            |
| A4843XX     | #10 Screw    | #8 Screw        | 8-16 AWG       | 150V/50A            |
| A4953XX     | #10 Stud     | #10 Stud        | 8-16 AWG       | 150V/50A            |
| B4843XX     | #10 Screw    | #8 Screw        | 8-16 AWG       | 600V/50A            |

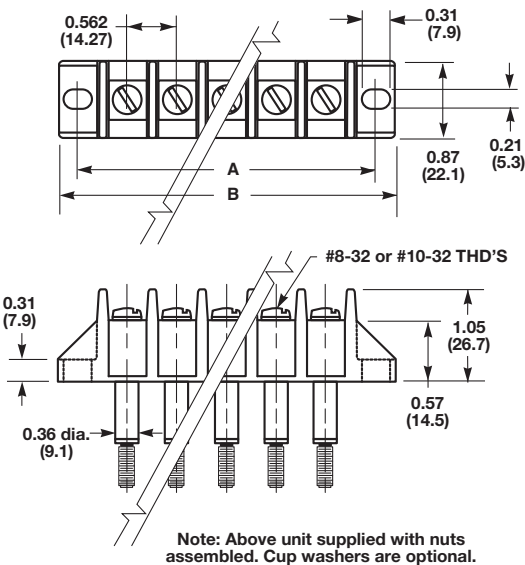
\* All models 30A Max. with 10 AWG;  
35-50A ratings with 8 AWG using ring or fork type terminals.  
Note: 50A rating achieved with #8 copper wire crimped to ring terminal.

| Poles | A (in.) Mount Centers | B (in.) Length |
|-------|-----------------------|----------------|
| 2     | 1.69                  | 2.12           |
| 3     | 2.25                  | 2.68           |
| 4     | 2.81                  | 3.24           |
| 5     | 3.37                  | 3.80           |
| 6     | 3.93                  | 4.36           |
| 7     | 4.50                  | 4.93           |
| 8     | 5.06                  | 5.34           |
| 9     | 5.62                  | 6.05           |
| 10    | 6.18                  | 6.61           |
| 11    | 6.74                  | 7.17           |
| 12    | 7.31                  | 7.74           |
| 13    | 7.87                  | 8.30           |
| 14    | 8.43                  | 8.86           |
| 15    | 8.99                  | 9.44           |
| 16    | 9.55                  | 9.98           |
| 17    | 10.12                 | 10.55          |
| 18    | 10.68                 | 11.11          |

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

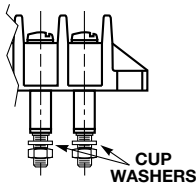


A4000 Series Dimensions - in (mm)

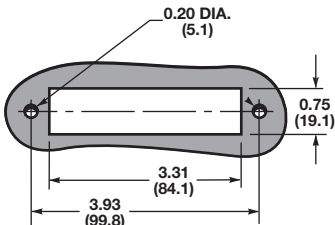


Optional Cup Washers Assembled

Available on A4003, A4803, A4843, A4953 & B4843.



Reference Panel Cutout for 6 Position Block



Terminal Blocks:  
Single & Double Row

EuroMag Series

Terminal Blocks:  
Panel & Rail Mount

Power Distribution  
Blocks

Wire Management  
Products

Edge Connectors,  
One-Sided Boards

Compliance  
References

## Part Numbering System

## Series

A4

B4

A4 - standard  
B4 - barrier  
(only available in 84 terminal style)

## Terminal Style



- 00 - screw top; stud bottom  
01 - screw top; solder bottom  
03 - screw top only  
04 - #10 screw top; solder term. b.  
80 - screw top; stud bottom  
#10-32 top, #8-32 bottom  
insulated base  
81 - screw top; solder turret bottom  
#10-32  
84 - screw top; screw bottom #10-32  
95 - stud top; stud bottom #10-32

## Base/End



- \*1 - flat base/  
mount end  
3 - insulator base-  
(not available  
in 03  
terminal style)  
/mount end  
5 - closed base/  
mount end  
(available  
in 03  
terminal only)

## Poles



02 to 18

## Screw Options



- Blank - std. screw  
00 - screws shipped bulk  
04 - brass nickel-plated  
07 - steel SEMS zinc  
plated (not available  
with hardware options;  
only available on A4011,  
A4013, A4021 and A4035)

## Options



- A1 to A9 - 0.250" QC  
†CW - cup washer (pg 25)  
L1 to L6 marking options (pg 27)  
S1 & S2 - solder lugs/flat  
J301\*\* - flat slip-on jumper  
(2 position only)

Covers - (pg 28)

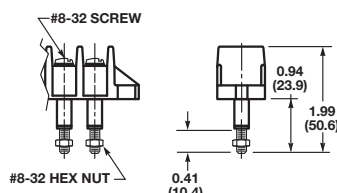
† Available only on A4003, A4803,  
A4843, A4953 & B4843.

\*Available in 01, 02, 04 &amp; 05 terminal style only.

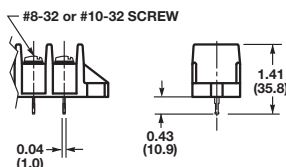
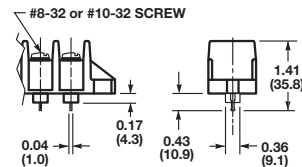
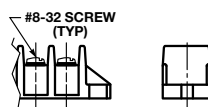
\*\*Consult factory for configuration.

## Terminal Styles

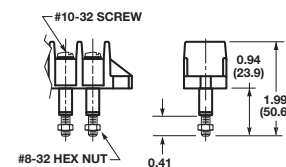
Inches (Millimeters)



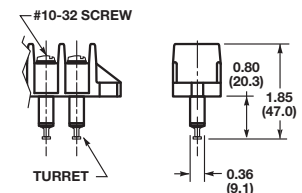
A4003XX

A4011XX (#8-32)  
A4041XX (#10-32)A4013XX (#8-32)  
A4043XX (#10-32)

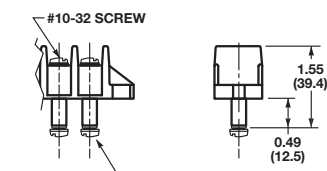
A4035XX



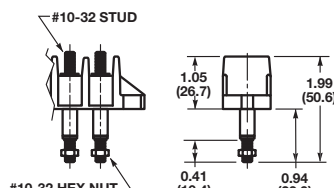
A4803XX



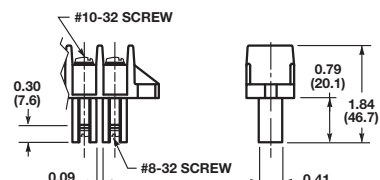
A4813XX



A4843XX



A4953XX

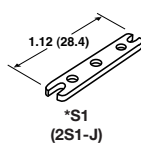


B4843XX

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

Inches (Millimeters)

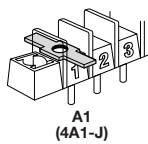
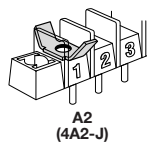
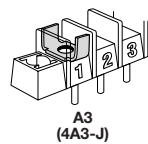
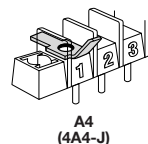
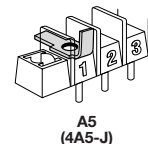
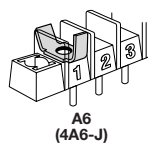
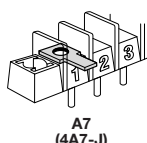
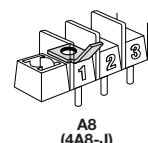
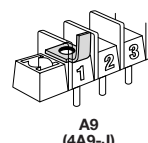
## Solder Lugs

\*S1  
(2S1-J)

## Jumpers

J301  
(J301-J)

## Quick Connects Blade Width A = 0.250". (For other orientations, contact factory.)

A1  
(4A1-J)A2  
(4A2-J)A3  
(4A3-J)A4  
(4A4-J)A5  
(4A5-J)A6  
(4A6-J)A7  
(4A7-J)A8  
(4A8-J)A9  
(4A9-J)

\*Not available for A4843