

# Terminal Blocks - Single Row

## 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            |
| A4021XX     | # 8 Screw    | 0.250 QC        | 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            |
| A4051XX     | #10 Screw    | 0.250 QC        | 10-16 AWG      | 600V/35A            |
| A4803XX     | #10 Screw    | #8 Stud         | 8-16 AWG       | 150V/50A            |
| A4813XX     | #10 Screw    | SolderTurret    | 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            |

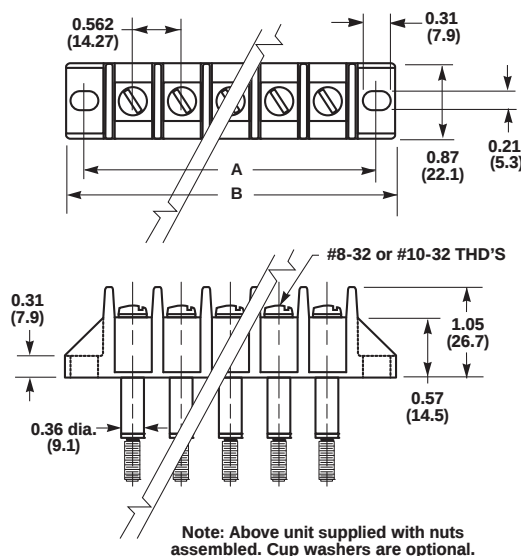
\* All models 30A Max. with 10 AWG;

35-50A ratings with 8 AWG using ring or fork type terminals.

Note: 50A rating achieved with #8 copper wire crimped to ring terminal.

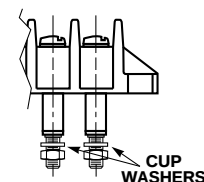


#### A4000 Series Dimensions - in (mm)

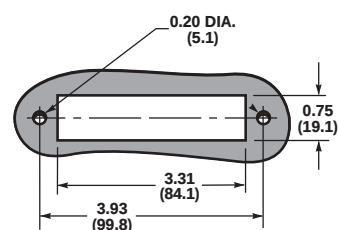


#### Optional Cup Washers Assembled

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



#### Reference Panel Cutout for 6 Position Block



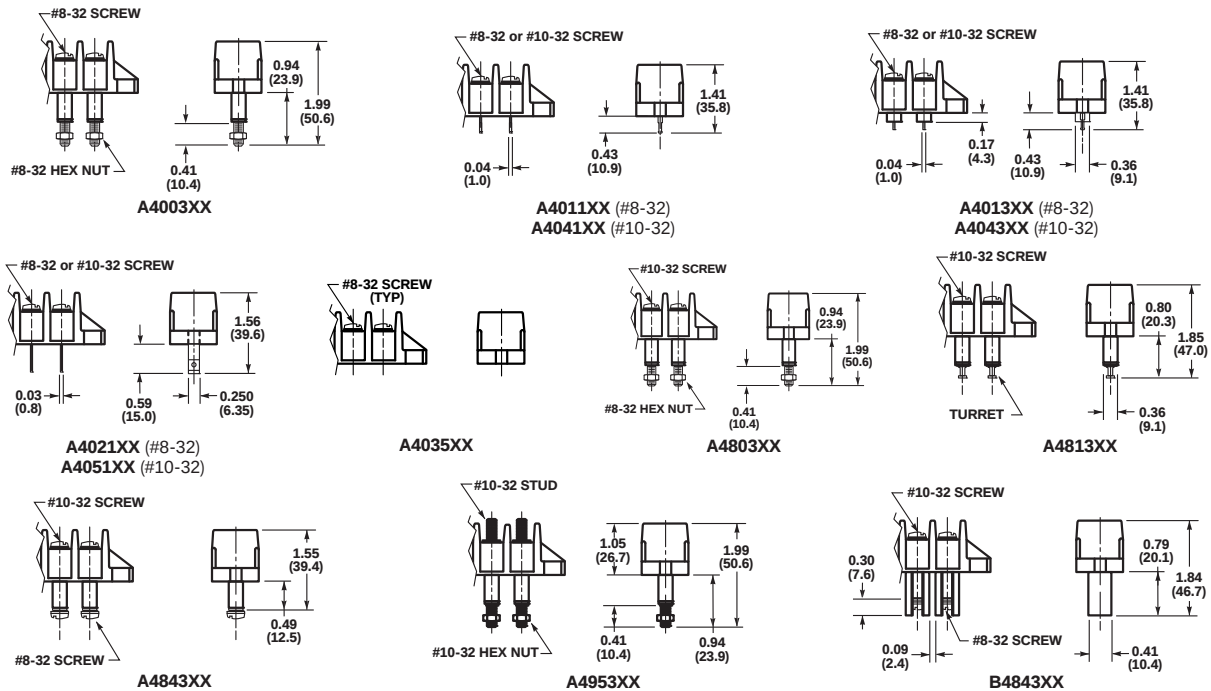
\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Part Numbering System

| Series                                                                            | Terminal Style                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Base/End                                                                                                                                                                                                          | Poles           | Screw Options                                                                                                                                                                                                                           | Options                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A4</b><br><b>B4</b>                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |                 |                                                                                                                                                                                                                                         |                                                                                                                                                                                                               |
| <b>A4</b> - standard<br><b>B4</b> - barrier (only available in 84 terminal style) | <b>00</b> - screw top; stud bottom<br><b>01</b> - screw top; solder bottom<br><b>02</b> - #8 screw top; 0.250" QC bottom<br><b>03</b> - screw top only<br><b>04</b> - #10 screw top; solder term. b.<br><b>05</b> - #10 screw top; 0.250" QC bottom<br><b>80</b> - screw top; stud bottom<br>#10-32 top, #8-32 bottom insulated base<br><b>81</b> - screw top; solder turret bottom<br>#10-32<br><b>84</b> - screw top; screw bottom #10-32<br><b>95</b> - stud top; stud bottom #10-32 | <b>*1</b> - flat base/<br>mount end<br><b>3</b> - insulator base-<br>(not available<br>in 03<br>terminal style)<br>/mount end<br><b>5</b> - closed base/<br>mount end<br>(available<br>in 03<br>terminal<br>only) | <b>02 to 18</b> | Blank - std. screw<br><b>00</b> - screws shipped bulk<br><b>04</b> - brass nickel-plated<br><b>07</b> - steel SEMS zinc<br>plated (not available<br>with hardware options;<br>not available on A4003,<br>A4803, A4813, A4843,<br>B4843) | <b>A1 to A9</b> - 0.250" QC<br>† <b>CW</b> - cup washer (pg 20)<br><b>J301</b> - flat slip-on jumper<br>(2 position only)<br><b>L1 to L6</b> marking options (pg 22)<br><b>S1 &amp; S2</b> - solder lugs/flat |
| *Available in 01, 02, 04 & 05 terminal style only.                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |                 |                                                                                                                                                                                                                                         | † Available only on A4003, A4803, A4843, A4953 & B4843.                                                                                                                                                       |

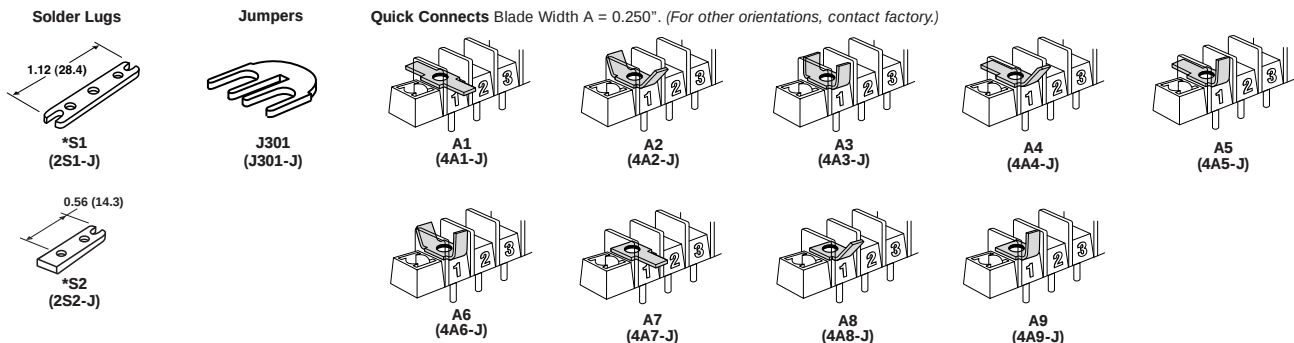
## Terminal Styles

Inches (Millimeters)



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

Inches (Millimeters)



\*Not available for A4843