

TB300 and TB345 double row terminal blocks

Ratings*

- Volts 600 V
- Amps
 - 30 A (TB300)
 - 45 A (TB345)
- Breakdown voltage 7500 V
- * Maximum rating shown; some options may be rated lower.



Agency information

UL File E62622, CSA File 47235; IEC Compliance

Specifications

- Poles: 2 to 24
- Wire range: 8 - 22 AWG Cu
- Center spacing: 0.562" or 9/16" (14mm)
- Screw size
 - TB300 — #8-32 phil-slot screws
 - TB345 — #10-32 phil-slot screws
- Torque rating
 - #8 screws - 16 lb-in
 - #10 screws - 20 lb-in
- Distance between barriers: 0.41" (10mm)
- Mounting
 - TB300 — #8 screws
 - TB345 — #10 screws
- Operating temperature: -40°C to 130°C (-40°F to 266°F)

Materials

- Molded black thermoplastic base, UL rated 94V0
- Tin-plated brass terminals
- Zinc-plated steel screws

Catalog number build-a-code

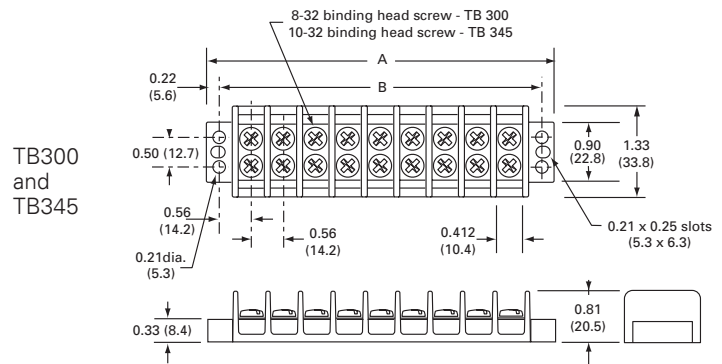
Symbol	Screw size	Poles	Screw options	Marking/cover	Hardware options
TB		—			
	300 = 8-32 screw	02 to 24	Blank = Steel phil-slot, zinc-plated	L1 to L6 marking options, see page 10-16	QC1 to QC20 = Quick-connects (TB300 only)
	345 = 10-32 screw		00 = Screws shipped bulk B = Brass phil-slot, nickel-plated BS = Brass SEMS phil-slot, nickel-plated (TB300 only) SP = Steel SEMS phil-slot, zinc-plated ST = Stainless steel, phil-slot	Special markings†, see page 10-16	Custom options (TB300 only)† J301 = Flat slip-on jumper OJ6 = Over barrier jumper OJ11 = Over barrier jumper

† Contact factory for configuration.

Accessories

- Marker strips, see page 10-17
- Covers, see page 10-16

Dimensions — in



Poles	A	B	Poles	A	B	Poles	A	B
02	2.13	1.69	10	6.62	6.19	18	11.12	10.68
03	2.69	2.25	11	7.18	6.75	19	11.68	11.25
04	3.25	2.81	12	7.75	7.31	20	12.24	11.81
05	3.81	3.37	13	8.31	7.87	21	12.80	12.37
06	4.37	3.94	14	8.87	8.44	22	13.37	12.93
07	4.94	4.50	15	9.43	9.00	23	13.93	13.50
08	5.50	5.06	16	9.99	9.56	24	14.49	14.06
09	6.06	5.62	17	10.56	10.12			

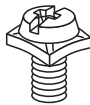
1" = 25.4mm.

Screw options



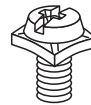
B

Brass phil-slot nickel-plated
- **B001-7018-J** (TB300 bulk)
- **B500-023-028-J** (TB345 bulk)



BS

Brass SEMS phil-slot nickel-plated
- **B001-7015-J** (TB300 bulk)



SP

Steel SEMS phil-slot zinc-plated
- **B001-7017-J** (TB300 bulk)
- **B001-5774-J** (TB346 bulk)

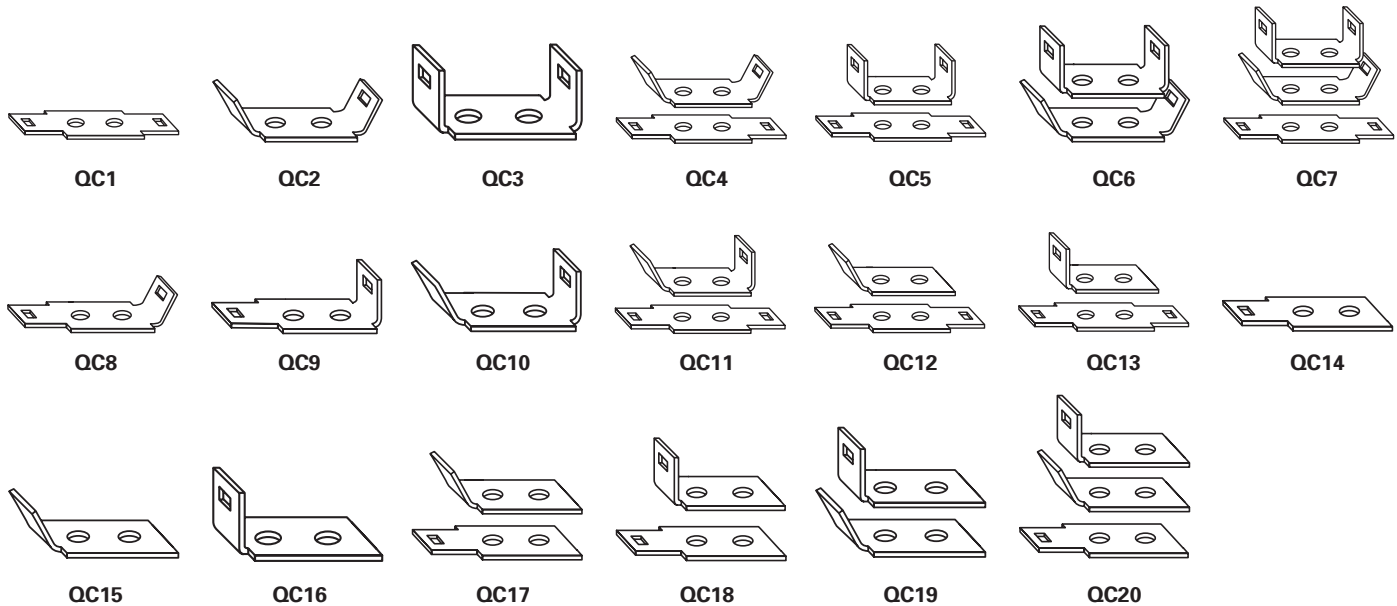


ST

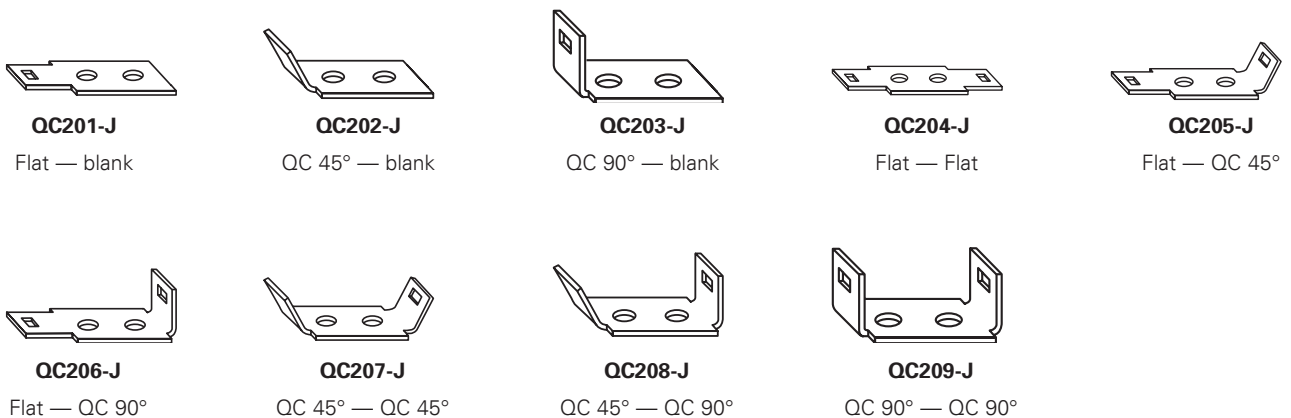
Stainless steel phil-slot
- **B001-7063-J** (TB300 bulk)
- **B001-7064-J** (TB345 bulk)

Hardware options

Quick-connects — assembled: TB300 only; 0.25" x 0.031" terminals, 20 amps maximum. For other orientations, contact factory.



Quick-connects — bulk: *TB300 only; minimum order 100 pieces per catalog number.



Jumpers — bulk: TB300 only; minimum order 100 pieces per catalog number. Contact factory for jumper assembly.

