

Power Terminal Block **145x579**

Replace "x" with 1, 2 or 3 for number of poles.

Wire Range

- Line: (1) 500kcmil - #4 AWG
- Load: (6) 2/0 - #14 AWG



Electrical Ratings

- 380 Amps
- 600V per UL 1953 & CSA 22.2 No.158, class B & C requirements
- Short circuit current ratings (SCCR): See SCCR section below for specifications.
- CU7AL - 75°C connector terminal rating with copper or aluminum wire
- Factory & Field Wiring

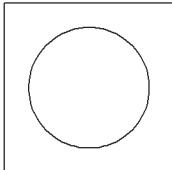
Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File QPQS.E309401 and UL evaluated to CSA 22.2 No 158 File no. QPQS7.309401
- CSA - certified to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

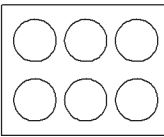
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal set screws: aluminum, tin plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

Termination Specifications

Line Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	500 kcmil	42.4 N·m (375 lbf·in)	1	B, C
	400 - 2	42.4 N·m (375 lbf·in)	1	B, C, G, H, I (DLO)
	4	42.4 N·m (375 lbf·in)	1	B, C

- Aluminum wire range: 500kcmil - 4 AWG
- Wire strip length: 1 5/16 in. (33mm)
- Terminal screw drive: 3/8 in. hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	2/0 - 1/0	13.6 N·m (120 lbf·in)	1	B, C
	1 - 6	13.6 N·m (120 lbf·in)	1	B, C, G, H, I (DLO)
	8	4.5 N·m (40 lbf·in)	1	B, C, G, H, I (DLO)
	10 - 14	4 N·m (35 lbf·in)	1	B, C, I (DLO)

- Solid copper wire range: 10 - 14
- Aluminum wire range: 2/0 - #4 AWG
- Wire strip length:
 - top row: 3/4 in. (19mm)
 - bottom row: 1 3/16 in. (30mm)
- Terminal screw drive: 3/16 in. hex

¹ For information on copper stranded wire classes please visit:
<http://www.marathonsp.com/blog/flexible-stranded-wire.php>

Short Circuit Current Ratings (SCCR)

- The suitable conductor ranges are limited to the table values only for achieving the SCCR in excess of the default rating of 10,000A.
- Other conductor combinations within the "Terminal Specifications" noted are suitable for achieving a SCCR of 10,000A (the default rating of terminal blocks).
- Enclosure size – Investigated with a minimum 16x12x6 enclosure. Use in smaller enclosures is subject to end use evaluation.

SCCR With Fuses

Wire Class	Suitable Conductors		Max Overcurrent Protection Fuse Required Amp Rating / Class						SCCR RMS Sym. Amps 600V. Max
			J	T	RK1	RK5	G	CC	
B, C	500 - 3/0	2/0 - 6	400	400	400	100	60	30	100,000
B, C	500 - 4	2 - 10	200	200	200	100	60	30	100,000
G, H, I	350 - 2	1 - 6	400	400	400	100	60	30	100,000
G, H, I	350 - 2	1 - 10	250	250	200	100	60	30	100,000
(*)	500 - 4	2/0 - 14	None						10,000

* Any wire class evaluated (see terminal specification section)

SCCR With Circuit Breakers

Suitable Conductors		Overcurrent Protection Circuit Breaker Required		Max AMP	Volts Max	SCCR RMS Sym. Amps 600V. Max
Line	Load	MFR	TYPE			
2/0 - 4	8	Square-D	JDL36250	250	480	18,000
		Square-D	JGL36250	250	480	35,000
		Square-D	JJL36250	250	480	65,000
		Square-D	JLL36250	250	480	65,000

Installation & Accessories

- Mounting (Panel):
 - For use with 1/4 fastener.
 - Mounting torque to be determined in end use application not to exceed 40 lbf-in (4.5 Nm)
- Covers:
 - Snap on cover available upon request
 - Catalog number:
 - For 3 pole (1453xxx), CC1453
 - For 2 pole (1452xxx), CC1452
 - For 1 pole (1451xxx), CC1451
 - Cover is black thermoplastic

Drawing

