

Power Terminal Block **145x986**

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



Wire Range

- Line: (2) 500 kcmil - #4 AWG
- Load: (8) 2/0 - #14 AWG

Electrical Ratings

- 760 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.
- CU9 - 90°C connector terminal rating with copper wire
- Factory & Field Wiring

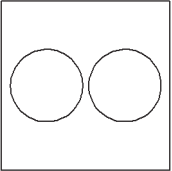
Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File QPOS.E309401 and UL evaluated to CSA 22.2 No 158 File no. QPOS7.309401
- CSA - certified to C22.2 No. 158, File No. LR19766 (Wire classes B & C only)
- CE compliant to IEC 60947-7-1

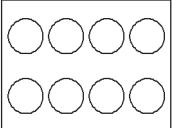
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: copper, tin plated
- Line terminal set screws: aluminum, tin plated
- Load terminal set screws: steel, nickel 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	42.4 N·m (375 lbf·in)	1	B, C
	400	42.4 N·m (375 lbf·in)	1	B, C, G, H, I
	350 - 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

- Wire strip length: 1 1/8 in. (29mm)
- 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
- Wire strip length:
 - top row: 3/4 in. (19mm)
 - bottom row: 1 3/8 in. (35mm)
- Terminal screw drive: 3/16 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 - 250	2/0 - 4	500	500	400	200	60	30	100,000
B, C	500 - 4	2/0 - 6	450	450	400	200	60	30	100,000
G, H, I	350 - 250	1 - 4	500	500	400	200	60	30	100,000
G, H, I	350 - 2	1 - 6	450	450	400	200	60	30	100,000
(*)	500 - 4	2/0 - 14	None						10,000

* Any wire class evaluated (see terminal specification section)

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

