

Power Terminal Block **145x411**

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



Wire Range

- Line: (2) 600 kcmil - #2 AWG
- Load: (4) 3/0 - #6 AWG & (4) #4 - #14 AWG

Electrical Ratings

- 840 Amps
- 600V per UL 1953 & CSA 22.2 No.158, class B & C requirements
- SCCR of 10,000 kA with no over-current protection (default for terminal blocks).
- CU7AL - 75°C connector terminal rating with copper or aluminum wire
- Factory & Field Wiring

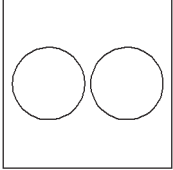
Agency Compliance

- 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

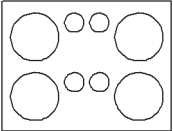
Material Information

- 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 & 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
	600 - 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

- Aluminum wire range: 600 kcmil - 2 AWG
- Wire strip length: 1 5/8 in. (41mm)
- Terminal screw drive: 1/2 in. (13mm) hex

Load Side	Terminal	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	3/0 - 6	3/0	13.6 N·m (120 lbf·in)	1	B, C
		2/0	13.6 N·m (120 lbf·in)	1	B, C, G, H
		1/0 - 6	13.6 N·m (120 lbf·in)	1	B, C, G, H, I (DLO)
	4 - 14	4 AWG	4 N·m (35 lbf·in)	1	B, C
		6 - 8	4 N·m (35 lbf·in)	1	B, C, G, H, I (DLO)
		10	4 N·m (35 lbf·in)	1 - 2	B, C, I (DLO)
		12 - 14	4 N·m (35 lbf·in)	1 - 2	I (DLO)
				1 - 4	B, C

- Solid copper wire range: 10 - 14
- Aluminum wire range: 3/0 - 6 AWG & 4 - 14 AWG
- Wire strip length:
 - top row: 13/16 in. (21mm)
 - bottom row: 1 5/8 in. (41mm)
- Terminal screw drive: 5/16 in. (8mm) hex & slotted

¹ For information on copper stranded wire classes please visit:

<http://www.marathonsp.com/blog/flexible-stranded-wire.php>

Installation & Accessories

- Mounting (Panel):
 - For use with #10 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

