

Power Terminal Block **145x610**

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



Wire Range

- Line: (2) 500kcmil - #4 AWG
- Load: (1) 1/2 - 13 X 1 5/16 stud

Electrical Ratings

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

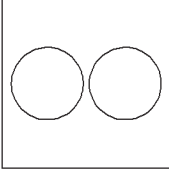
Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File 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

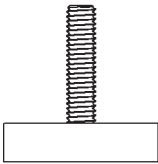
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal set screws: aluminum, tin plated
- Threaded stud: brass, tin plated
- Hex nut: brass, 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 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	Termination Type	Torque	Stud Length	Maximum Lug/Bar Width
	Listed lugs on 1/2 - 13 stud	47.7 N·m (422 lbf·in)	1 5/16" (33mm)	2.25" (57mm)

- For use with conductors prepared with listed connectors such as single hole compression/crimp lugs or listed ring, fork or spade terminals.
- Conductor size, ampacity, temperature rating and type are dictated by the ratings of the listed lugs utilized and applicable code requirements.
- Hex nut provided: 9/16 across flats

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 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

