



2280 Amps 600 Volts AC/DC

Wire Range

- Line: (6) 500 kcmil - 6
- Load: (18) 2/0 - 14

Electrical Ratings

- 2280 Amps
- 600V per UL 1059 & 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

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- 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:
 - Phenolic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 150°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 (375lbf·in)	1	B, C
	400	42.4 N·m (375lbf·in)	1	B, C, G, H
	350 - 2	42.4 N·m (375lbf·in)	1	B, C, G, H, I (DLO)
	4 - 6	42.4 N·m (375lbf·in)	1	B, C

- Wire strip length: 1 5/8 in. (41mm)
- Terminal screw drive: 3/8 in. hex

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

- Solid copper wire range: #10 - 14 AWG
- Wire strip length (load side):
 - top row: 3/4 in. (19mm)
 - bottom row: 1 3/8 in. (35mm)
- Terminal screw drive: 3/16 in. hex

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

Installation & Accessories

- Mounting (Panel):
 - For use with 1/4 fastener.
 - Torque mounting fastener to 30-40 lbf·in (3.4 - 4.5 N·m).
- Covers:
 - Flat covers available upon request
 - Catalog Number: CH145x (replace "x" with number of poles)
 - Covers are clear polycarbonate
 - Accessory covers are not intended to provide insulation for electrical spacings.
- Marker Strip: white vinyl strip with mounting screws available.
- Printing options available, consult customer service for specifications.

Drawing

