



510 Amps 600 Volts AC/DC

Wire Range

- Line: (2) 250kcmil - #1/0
- Load: (4) 2/0 - #14 AWG

Electrical Ratings

- 510 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

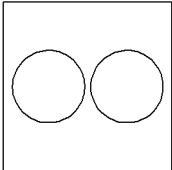
Agency Compliance

- 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

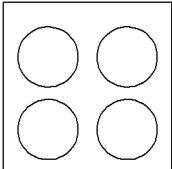
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal 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
	250 kcmil	31.1 N·m (275 lbf·in)	1	B, C
	4/0	31.1 N·m (275 lbf·in)	1	B, C, G, H
	3/0 - 1/0	31.1 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)

- Aluminum stranded wire range: 250kcmil - 1/0
- Wire strip length: 1 9/16 in. (40mm)
- Terminal screw drive: 5/16 in. hex

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

- Solid copper wire range: #10 - 14 AWG
- Aluminum stranded wire range: 2/0 - #8 AWG
- Wire strip length:
 - top row: 11/16 in (17.5mm)
 - bottom row: 1 1/8 in (28.6mm)
- Terminal screw drive: 3/16 hex

¹ For information on copper stranded wire classes please reference:
<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

² Multiple wire rating applies to class B & C

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener.
 - Torque mounting fastener to 25-30 lbf-in (2.8 - 3.4 N·m).
- Covers:
 - Snap-on hinge covers available upon request
 - Catalog Number: CH133x (replace "x" with number of poles)
 - Covers are black thermoplastic
 - 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

