



510 Amps 600 Volts AC/DC

Wire Range

- Line: 3/8 X 16 X 1 3/16 stud
- Load: (8) #2 - 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

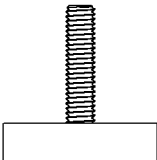
Agency Compliance

- 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

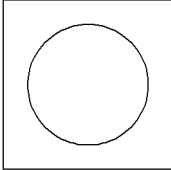
Material Information

- 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 set screws: aluminum, tin plated
- Studs: brass, tin plated
- Nuts: brass, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

Termination Specifications

Line Side	Termination Type	Torque	Stud Length	Maximum Lug/Bar Width
	Listed lugs on 3/8 studs	21.7 N·m (192 lbf·in)	1 3/16" (30mm)	1.55" (40mm)

- 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.

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	2	5.6 N·m (50 lbf·in)	1	B, C
	4 - 6	5.1 N·m (45 lbf·in)	1	B, C, G, H, I (DLO)
	8	4.5 N·m (40 lbf·in)	1 - 2 ²	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	

- Aluminum wire range: #2 - 12 AWG
- Wire strip length:
 - top row: 11/16 in. (17mm)
 - bottom row: 1 1/8 in. (29mm)
- Terminal screw drive: 5/32 in. 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, & I.

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 hinged 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

