



510 Amps 600 Volts AC/DC

Wire Range

- Line: M10 X 30 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

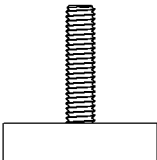
Agency Compliance

- 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

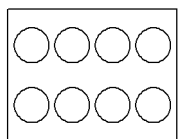
Material Information

- 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 M10 studs | 21.7 N·m (192 lbf·in) | 1.18 " (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 AWG | 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 ² | B, C, I (DLO) |
| | 12 - 14 | 4 N·m (35 lbf·in) | 1 - 4 1 - 2 | B, C I (DLO) |

- Solid copper wire range: 10 - 14
- 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 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

