



310 Amps 600 Volts AC/DC

Wire Range

- Line: (1) 350 kcmil - #6 AWG
- Load: (2) 2/0 - #14 AWG

Electrical Ratings

- 310 Amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- Short circuit current ratings (SCCR): See SCCR section below for specifications.
- CU7AL - 75°C connector terminal rating with copper or aluminum wire
- Factory & Field Wiring

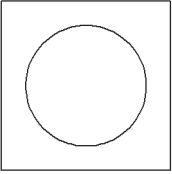
Agency Compliance

- 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

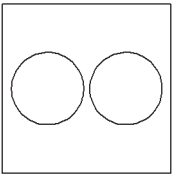
Material Information

- 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 |
|---|-------------------------|-----------------------|------------------|------------------------------|
|  | 350 - 300 kcmil | 31.1 N·m (275 lbf·in) | 1 | B, C |
| | 250 - 2 | 31.1 N·m (275 lbf·in) | 1 | B, C, G, H, I (DLO) |
| | 4 - 6 | 31.1 N·m (275 lbf·in) | 1 | B, C |

- Aluminum wire range: 350 kcmil - #6 AWG
- Wire strip length: 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. hex

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

- Solid copper wire range: 10 - 14
- Wire strip length: 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. hex

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

Short Circuit Current Ratings (SCCR)

- The suitable conductor ranges are limited to the table values only for achieving the SCCR in excess of the default rating of 10,000A.
- Other conductor combinations within the "Terminal Specifications" noted are suitable for achieving a SCCR of 10,000A (the default rating of terminal blocks).
- Enclosure size – Investigated with a minimum 16x12x6 enclosure. Use in smaller enclosures is subject to end use evaluation.

SCCR With Fuses

| Wire Class | Suitable Conductors | | Max Overcurrent Protection Fuse Required Amp Rating / Class | | | | | | SCCR RMS Sym. Amps 600V. Max |
|------------|---------------------|----------|---|-----|-----|-----|----|----|------------------------------------|
| | Line | Load | J | T | RK1 | RK5 | G | CC | |
| B, C | 350 - 3/0 | 2/0 - 3 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 |
| B, C | 350 - 6 | 2/0 - 6 | 300 | 300 | 200 | 100 | 60 | 30 | 100,000 |
| G, H, I | 250 - 1/0 | 1 - 6 | 150 | 150 | 100 | 30 | 60 | 30 | 100,000 |
| (*) | 350 - 6 | 2/0 - 14 | None | | | | | | 10,000 |

* Any wire class evaluated (see terminal specification section)

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener.
 - Torque mounting fastener to 25-30 lbf·in (2.8 - 3.4 N·m).
- Covers:
 - Flat covers available upon request
 - Catalog Number: CH143x (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

