

POWER DISTRIBUTION BLOCK

1343572



Wire Range

- Line: (1) 3/0 - #14 AWG (70mm² - 2.5mm²)
- Load: (1) 3/0 - #14 AWG (70mm² - 2.5mm²)

Electrical Ratings

- 200 Amps
- 600V per UL 1953 & CSA 22.2 No.158, class B & C requirements
- Short Circuit Current Rating (SCCR): See SCCR section for specifications
- CU7AL - 75°C connector terminal rating with copper or aluminum wire
- Factory & Field Wiring

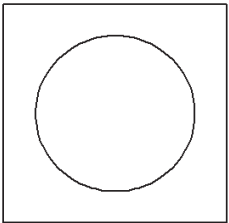
Agency Compliance

- UL Listed, Investigated to UL 1953, File QPQS7.E309401

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
- Line terminal set screws: aluminum, tin plated
- Load terminal set screw: steel, zinc plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

Termination Specifications

| Line and Load Side | Wire Size (CU Stranded) | Torque | Wires / Terminal | Wire Class (UL) ¹ |
|---|-------------------------|-----------------------|------------------|------------------------------|
|  | 3/0 | 20.3 N.m (180 lbf in) | 1 | B, C |
| | 2/0 - 2 | 20.3 N.m (180 lbf in) | 1 | B, C, G, H, I (DLO) |
| | 4 | 20.3 N.m (180 lbf in) | 1 | G, H, I (DLO) |
| | | | 1 - 2 | B, C |
| | 6 - 8 | 20.3 N.m (180 lbf in) | 1 - 2 | B, C, G, H, I (DLO) |
| | 10 | 5.6 N.m (50 lbf. in) | 1 - 4 | B, C |
| | | | 1 - 2 | G, H, I (DLO) |
| 12 - 14 | 5.6 N.m (50 lbf. in) | 1 - 4 | B, C | |
| | | 1 | G, H, I (DLO) | |

- Aluminum stranded wire range: 3/0 - #6 AWG
- Wire strip length: 7/8 in. (18mm)
- Copper solid wire range: #10 - #14
- Terminal screw drive: 1/4" Hex

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

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.

| 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 | 3/0 - 8 | 3/0 - 8 | 300 | 300 | 200 | 100 | 60 | 30 | 100,000 |
| G, H, I (DLO) | 2/0 - 8 | 2/0 - 8 | 300 | 300 | 200 | 100 | 60 | 30 | 100,000 |
| * | 3/0 - 14 | 3/0 - 14 | None | | | | | | 10,000 |

* Any wire class evaluated (see terminal specification section)

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener. (#8 washer recommended with SHCS)
 - Mounting torque to be determined in end use application not to exceed 30 in lbs (3.4 N.m)
- Cover:
 - Snap on hinge cover available upon request
 - Catalog number: CH1343
 - Cover is back thermoplastic

Drawing

