

POWER DISTRIBUTION BLOCK

1343548



Wire Range

- Line: (1) 3/0 - #14 AWG (70mm² - 2.5mm²)
- Load: (2) #2 - #14 AWG (25mm² - 2.5mm²)
(6) #6 - #14 AWG (10mm² - 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

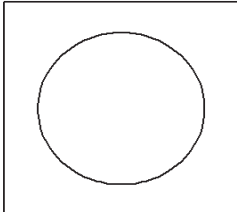
Agency Compliance

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

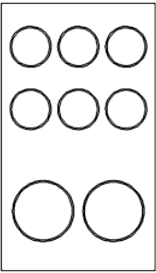
Material Information

- 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 screw: steel, zinc plated
- Load terminal set screws: steel, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

Termination Specifications

| Line 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 - 8 | 20.3 N.m (180 lbf in) | 1 | B, C, G, H, I (DLO) |
| | 10 - 14 | 5.6 N.m (50 lbf. in) | 1 | B, C, G, H, I (DLO) |

- Aluminum stranded wire range: 3/0 - #6 AWG
- Wire strip length: 1 - 1/16 in. (27mm)
- Copper solid wire range: #10 - #14
- Terminal screw drive: 1/4 in. Hex

| Load Side | Terminal | Wire Size (CU Stranded) | Torque | Wires / Terminal | Wire Class (UL) ¹ |
|--|---------------------|-------------------------|---------------------|------------------|------------------------------|
|  | #2 - 14 (Two Large) | 2 | 5.7 N.m (50 lbf.in) | 1 | B, C |
| | | 4 - 6 | 5.7 N.m (50 lbf.in) | 1 | B, C, G, H, I (DLO) |
| | | 8 | 5.7 N.m (50 lbf.in) | 1-2 | B, C, G, H, I (DLO) |
| | | 10 - 14 | 4.5 N.m (40 lbf.in) | 1-4 | B, C, G, H, I (DLO) |
| | #6 - 14 (Six Small) | 6 | 1.7 N.m (15 lbf.in) | 1 | B, C |
| | | 8 | 1.7 N.m (15 lbf.in) | 1 | B, C, G, H, I (DLO) |
| | | 10 - 14 | 1.7 N.m (15 lbf.in) | 1-2 | B, C, G, H, I (DLO) |

- Aluminum stranded wire range: #2 - #6 AWG
- Copper solid wire range: #10 - #14 AWG
- Wire strip length:
 - Top: 11/16 in. (17mm)
 - Middle: 1-2/16 in (20.6mm)
 - Bottom: 5/8 in. (15.9mm)
- Terminal screw drive:
 - 5/32 in. hex drive (two large)
 - 3/32 in. mm hex drive (six small)

¹ For information on copper stranded wire classes please visit:
<http://www.marathonsp.com/CatalogPDFs/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.

SCCR With Fuses

| Wire Class | Suitable Conductors | | Max Overcurrent Protection Fuse Required Amp Rating / Class | | | | | | SCCR RMS Sym. Amps 600V. Max |
|---------------|---------------------|-------------|---|-----|-----|-----|----|----|------------------------------|
| | Line | Load - L/S* | J | T | RK1 | RK5 | G | CC | |
| B, C | 3/0 - 8 | 2 - 8 (L) | 200 | 200 | 100 | 60 | 60 | 30 | 100,000 |
| | | 6 - 8 (S) | | | | | | | |
| | 3/0 - 8 | 2 - 12 (L) | 125 | 125 | 100 | 30 | 60 | 30 | 100,000 |
| | | 6 - 12 (S) | | | | | | | |
| G, H, I (DLO) | 2/0 - 8 | 4 - 8 (L) | 200 | 200 | 100 | 60 | 60 | 30 | 100,000 |
| | | 8 - 12 (S) | | | | | | | |
| | 2/0 - 8 | 4 - 12 (L) | 125 | 125 | 100 | 30 | 60 | 30 | 100,000 |
| | | 8 - 12 (S) | | | | | | | |
| (**) | 3/0 - 14 | 2 - 14 | None | | | | | | 10,000 |

* Refers to either the larger (L) or smaller (S) of the two load side terminals.

** 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

