

## POWER DISTRIBUTION BLOCK

# 1343582



### Wire Range

- Line: (1) 350 - #6 AWG (150mm<sup>2</sup> - 16mm<sup>2</sup>)
- Load: (1) 350 - #6AWG (150mm<sup>2</sup> - 16mm<sup>2</sup>)

### Electrical Ratings

- 310 Amps
- 600V per UL 1059 & 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

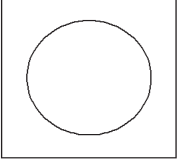
### Agency Compliance

- UL Listed, Investigated to UL 1953, File QPOS7.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
- Terminal set screws: aluminum, tin plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

## Termination Specifications

Line & Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	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: 350kcmil - 6 AWG
- Wire strip length: line and load side tap - 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. hex

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

## 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

## 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 - 6	350 - 6	500	500	400	200	60	30	100,000
(*)	3/0 - 14	3/0 - 14	None						10,000

\* Any wire class evaluated (see terminal specification section)

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**Drawing**

