

Product Data Sheet

POWER DISTRIBUTION BLOCK

1343580



Wire Range

- Line: (1) 2/0 - #14 AWG (50mm² - 2.5mm²)
- Load: (6) #4 - #14 AWG (16mm² - 2.5mm²)

Electrical Ratings

- 175 Amps
- 600V per UL 1953 & 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

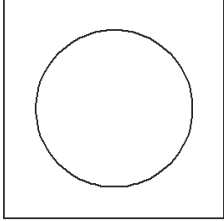
Agency Compliance

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

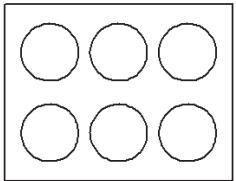
Material Information

- 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 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
	2/0 - 1/0 AWG	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, G, H, I (DLO)

- Aluminum wire range: 2/0 - #6 AWG
- Wire strip length: 11/16 in. (18mm)
- Copper solid wire range: #10 - #14
- Terminal screw drive: 3/16 in. Hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	4 AWG	4 N·m (35 lbf·in)	1	B, C
	6 - 8	4 N·m (35 lbf·in)	1	B, C, G, H, I (DLO)
	10	4 N·m (35 lbf·in)	1 - 2	B, C, G, H, I (DLO)
	12 - 14	4 N·m (35 lbf·in)	1 - 2	G, H, I (DLO)
			1 - 4	B, C

- Aluminum wire range: #4 - #6 AWG
- Copper solid wire range: #10 - #14
- Wire strip length: load side tap
 - top row: 3/8 in. (10mm)
 - bottom row: 3/4 in. (19mm)
- Terminal screw drive: 1/8 in 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 Copper, Stranded		Overcurrent Protection Fuse Class/Max Amp Rating						SCCR, RMS SYM Amps
	Line	Load	J	T	RK1	RK5	G	CC	
B-C	2/0 - 6	4 - 14	200	200	100	60	60	30	100,000
B-C	2/0 - 10	4 - 14	150	150	100	30	60	30	
G, H, I (DLO)	1 - 6	6 - 10	200	200	100	60	60	30	
G, H, I (DLO)	1 - 10	6 - 14	150	150	100	30	60	30	
*	2/0 - 14	4 - 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

