

POWER DISTRIBUTION BLOCK

1343570



Wire Range

- Line: (1) 3/0 - #14 AWG (70 mm² - 2.5 mm²)
- Load: (4) #2 - #14 AWG (25 mm² - 2.5 mm²)

Electrical Ratings

- 200 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

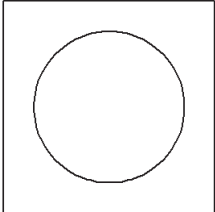
Agency Compliance

- UL Listed, Investigated to UL 1953, File QPS7.E309401
- cULus

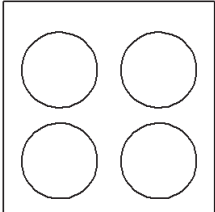
Material Information

- 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: 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	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	G, H, I (DLO)
			1 - 4	B, C

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

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	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)

- Aluminum stranded wire range: #2 - #8 AWG
- Copper solid wire range: #10 - #14 AWG
- Wire strip length: 11/16 in. (17mm)
- Terminal screw drive: 5/32 in. hex

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.

Wire Type	Suitable Con- ductors Copper, Stranded		Overcurrent Protection Fuse Class/Max Amp Rating						SCCR, RMS SYM Amps
	Line	Load	J	T	RK1	RK5	G	C	
B-C	3/0 - 8	2 - 8	225	225	200	60	60	30	100,000
B-C	3/0 - 8	2 - 14	150	150	100	30	60	30	
B-C	3/0 - 10	2 - 14	60	60	30	–	50	30	
G, H, I	2/0 - 8	4 - 8	225	225	200	60	60	30	
G, H, I	2/0 - 10	4 - 14	150	150	100	30	60	30	
*	3/0 - 14	2 - 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 Nm)
- Cover:
 - Snap on hinge cover available upon request
 - Catalog number: CH1343
 - Cover is black thermoplastic

Drawing

