

Product Data Sheet

POWER DISTRIBUTION BLOCK

134x580

Replace "x" with 1, 2, or 3 for number of poles



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

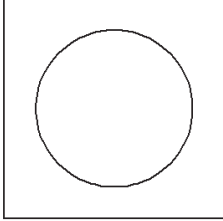
Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File QPQS.E309401 and UL evaluated to CSA 22.2 No 158 File no. QPQS7.309401

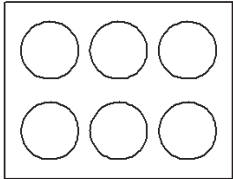
Material Information

- 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 – For SCCR’s greater than the default of 10KA, the minimum enclosure size is 16x12x6. When using the default rating, there are no enclosure limitations other than proper fit of the product.

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	1 - 6	6 - 10	200	200	100	60	60	30	
G, H, I	1 - 10	6 - 14	150	150	100	30	60	30	
*	2/0 - 14	4 - 14	None (Default Rating)						10,000

* Any wire class evaluated (see terminal specification section)

