

## POWER DISTRIBUTION BLOCK

# 134x548

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



### Wire Range

- Line: (1) 3/0 - #14 AWG (70mm<sup>2</sup> - 2.5mm<sup>2</sup>)
- Load: (2) #2 - #14 AWG (25mm<sup>2</sup> - 2.5mm<sup>2</sup>)  
(6) #6 - #14 AWG (10mm<sup>2</sup> - 2.5mm<sup>2</sup>)

### 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

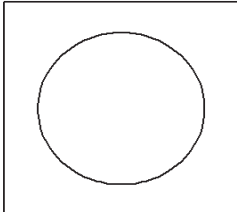
### Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File QPOS.E309401 and UL evaluated to CSA 22.2 No 158 File no. QPOS7.309401

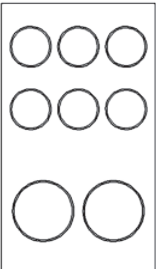
### Material Information

- 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 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) <sup>1</sup>
	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) <sup>1</sup>
	#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)

<sup>1</sup> 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.
  - Mounting torque to be determined in end use application not to exceed 25-30 lbf-in (2.8 - 3.4 N·m).
- Covers:
  - Snap on hinge cover available upon request
  - Catalog number:
    - For 3-Pole (1343xxx), CH1343
    - For 2-Pole (1342xxx), CH1341 (2x For each pole)
    - For 1-Pole (1341xxx), CH1341
  - Cover is polycarbonate

**Drawing**

