



Product Data Sheet

142X552

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

Power Terminal Block

115 Amps 600 Volts AC/DC

Wire Range

- Line: (1) #2- #14 AWG
- Load: (1) #2- #14 AWG

Electrical Ratings

- 115 Amps Cu/90 Amps AL
- 600V per UL 1059 & 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

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- CSA - certified to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

Material Information

- Insulator base:
 - Phenolic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 150°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal screws: steel, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

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Termination Specifications

Line & Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	#2	5.6 N·m (50lbf·in)	1	B, C
	4 - 6	5.1 N·m (45lbf·in)	1	B, C, G, H, I (DLO)
	8	4.5 N·m (40 lbf·in)	1 - 2 ²	B, C, G, H, I (DLO)
	10 - 14	4 N·m (35 lbf·in)	1 - 2	B, C, I (DLO)
	12 - 14		1 - 4	B, C

- Solid copper wire range: 10-14 AWG
- Wire strip length: 1/2 in. (13 mm)
- Terminal screw drive: slotted

¹ For information on copper stranded wire classes please reference:

<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

² Multiple wire rating applies to Classes B, C, and I. Classes G & H are rated for 1 wire per terminal.

Short Circuit Current Ratings (SCCR)

- The suitable copper 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 Type	Suitable Copper 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	2 - 6	2 - 6	300	300	200	100	60	30	100,000
B, C	2 - 10	2 - 10	150	150	100	30	60	30	100,000
B, C	2 - 10	2 - 10	200	200	100	30	60	30	65,000
G, H, I	4 - 10	4 - 10	150	150	100	30	60	30	100,000
(*)	2 - 14	2 - 14	None						10,000

* Any copper 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 30 lbf-in (3.4 N·m).
- Covers:
 - Flat covers available upon request
 - Catalog Number: CC142x (replace "x" with number of poles)
 - Covers are clear polycarbonate
 - Accessory covers are not intended to provide insulation for electrical spacings.
- Marker Strip: white vinyl strip with mounting screws available.
- Printing options available, consult customer service for specifications

Drawing

