

## Power Terminal Block

# 141X300

Replace "XX" with 1, 2, 3, or 4 for number of poles.



### Wire Range

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

### Electrical Ratings

- 115 Amps
- 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

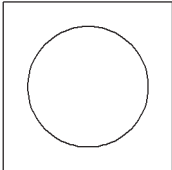
### Agency Compliance

- 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

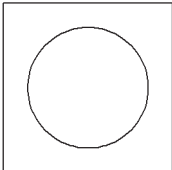
### Material Information

- Insulator base:
  - Thermoplastic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal 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>
	2	5.6 N·m (50 lbf·in)	1	B, C
	4 - 6	5.1 N·m (45 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, I (DLO)

- Aluminum wire range: 2 - 12 AWG
- Solid copper wire range: 10 - 14 AWG
- Wire strip length: 1/2 in. (13mm)
- Terminal screw drive: slotted

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

- Aluminum wire range: 2 - 12 AWG
- Solid copper wire range: 10 - 14 AWG
- Wire strip length: 1/2 in. (13mm)
- Terminal screw drive: slotted

<sup>1</sup> For information on copper stranded wire classes please visit:

<http://www.marathonsp.com/flexible-stranded-wire.php>

<sup>2</sup> Multiple wire rating applies to Class-I only. Classes B & C are rated for 1 wire per terminal.

**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 Type	Suitable 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	200	200	200	100	60	30	100,000
B, C	2 - 10	2 - 10	100	100	100	30	60	30	100,000
B, C	2 - 10	2 - 10	125	125	60	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 wire class evaluated (see terminal specification section)

**SCCR With Circuit Breakers**

Suitable Conductors		Overcurrent Protection Circuit Breaker Required		Max AMP	Volts Max	SCCR RMS Sym. Amps 600V. Max
Line	Load	MFR	TYPE			
2 - 6 AWG	2 - 6 AWG	Square-D	JDL36250	250	480	18,000
		Square-D	JGL36250	250	480	35,000
		Square-D	JJL36250	250	480	65,000
		Square-D	JLL36250	250	480	65,000
8 - 10 AWG	8 - 10 AWG	Square-D	HDL36100	100	480	18,000
		Square-D	HGL36100	100	480	35,000
		Square-D	HJL36100	100	480	65,000
		Square-D	HLL36100	100	480	65,000

## Installation & Accessories

- Mounting (Panel):
  - For use with #10 fastener.
  - Recommended mounting torque: 25-30 lbf-in (2.8 - 3.4 N·m).
  
- Covers:
  - Snap-on covers available upon request
  - Catalog Number: CC141x (replace "x" with number of poles)
  - Covers are semiclear polycarbonate
  - Accessory covers are not intended to provide insulation for electrical spacings.

## Drawing

