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Special Products

Product Data Sheet

141X400

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

Power Terminal Block

115 Amps 600 Volts AC/DC

Wire Range

- Line: (1) #2-#14 AWG
- Load: (4) #10-#18 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 - certifed 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

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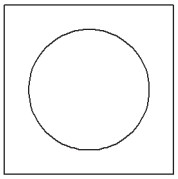
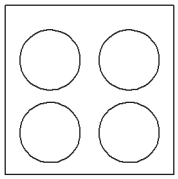
Termination Specifications

Line Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) [1]
	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. (13 mm)
- Terminal screw drive: slotted

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) [1]
	10 - 12	.8 N·m (7 lbf·in)	1	B, C, I (DLO)
	14	.8 N·m (7 lbf·in)	1 - 2 [2]	B, C, I (DLO)
	16 - 18	.8 N·m (7 lbf·in)	1	B, C

- Solid copper wire range: 10-18 AWG
- Wire strip length:
  - top row: 3/8in. (10mm)
  - bottom row: 5/8in. (16mm)
- Terminal screw drive: slotted

[1] For information on copper stranded wire classes please visit:
http://www.marathonsp.com/flexible-stranded-wire.php

[2] Multiple wire rating applies to Class-I only. Classes B & C are rated for 1 wire per terminal.

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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	10	200	200	200	60	60	30	100,000
B, C	2 - 10	10 -14	150	150	100	30	60	30	100,000
B, C	4 - 14	10 - 14	60	60	30	30	60	30	100,000
G, H, I	4 - 10	10 - 14	150	150	100	30	60	30	100,000
(*)	2 - 14	10 - 18	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	10 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	14 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
		Square-D	HDL36100	250	480	18,000
		Square-D	HGL36100	250	480	35,000
		Square-D	HJL36100	250	480	65,000
		Square-D	HLL36100	250	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