marathon®
Special Products

Product Data Sheet

145X301

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

Power Terminal Block

760 Amps 600 Volts AC/DC

Wire Range
- Line: (2) 500 kcmil - #4
- Load: (2) 500 kcmil - #4

Electrical Ratings
- 760 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
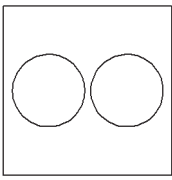- Factory & Field Wiring

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

Termination Specifications

Line & LoadSide	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) [1]
	500 kcmil	42.4 N·m (375 lbf·in)	1	B, C
	400 - 2	42.4 N·m (375 lbf·in)	1	B, C, G, H, I (DLO)
	4	42.4 N·m (375 lbf·in)	1	B, C

- Aluminum wire range: 500 kcmil - #4 AWG
- Wire strip length: 1 3/8in. (35mm)
- Terminal screw drive: 3/8 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 – 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	J	T	RK1	RK5	G	CC	
B, C	500 - 4	500 - 4	500	500	400	200	60	30	100,000
G, H, I	350 - 2	350 - 2	500	500	400	200	60	30	100,000
(*)	500 - 4	500 - 4	None						10,000

* Any wire class evaluated (see terminal specification section)

Installation & Accessories

- Mounting (Panel):
  - For use with 1/4 fastener.
  - Torque mounting fastener to 30-40 lbf·in (3.4 - 4.5 N·m).

- Covers:
  - Flat covers available upon request
  - Catalog Number: CC 145x (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