



marathon™
Special Products

Product Data Sheet

143X123

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

Power Terminal Block

255 Amps 600 Volts AC/DC

Wire Range

- Line: (1) 250 kcmil - #6 AWG
- Load: (1) 250 kcmil - #6 AWG

Electrical Ratings

- 255 Amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- 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 set screws: aluminum, tin plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

Termination Specifications

Line & load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	250 kcmil	31.1 N·m (275 lbf·in)	1	B, C
	4/0	31.1 N·m (275 lbf·in)	1	B, C, G, H
	3/0 - 2	31.1 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)
	4 - 6	31.1 N·m (275 lbf·in)	1	B, C

- Aluminum wire range: 250kcmil - #6 AWG
- Wire strip length:
 - line & load side taps: 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. hex

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

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener.
 - Mounting Torque to be determined in end use application not to exceed 30 lbf·in (3.4 N·m)
- Covers:
 - Flat covers available upon request
 - Catalog Number: CC143x (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.

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	250 - 6	250 - 6	300	300	200	100	60	30	100,000
G, H, I	3/0 - 1/0	3/0 - 1/0	300	300	200	100	60	30	100,000
(*)	250 - 6	250 - 6	None						10,000

Drawing

