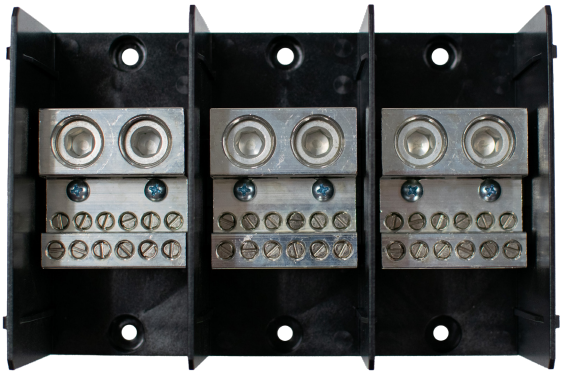
Product Data Sheet

marathon® Special Products

Power Terminal Block
145x992

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



Wire Range

- Line: (2) 500 kcmil - #4 AWG
- Load: (12) #2 - #14 AWG

Electrical Ratings

- 760 Amps
- 600V per UL 1953 & CSA 22.2 No.158, class B & C requirements
- SCCR of 10,000 A (default for terminal blocks).
- CU9 - 90°C connector terminal rating with copper wire
- Factory & Field Wiring

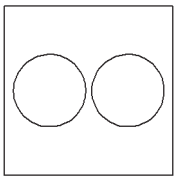
Agency Compliance

- cULus - UL Listed, investigated to UL 1953, UL File QPQS.E309401 and UL evaluated to CSA 22.2 No 158 File no. QPQS7.309401
- CSA - certifed to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

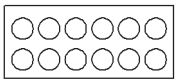
Material Information

- Insulator base:
  - Thermoplastic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: copper, tin plated
- Line terminal set screws: aluminum, tin plated
- Load terminal set 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) [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

- Wire strip length: 1 5/8 in. (41mm)
- Terminal screw drive: 3/8 in. hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) [1]
	2 AWG	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 [2]	B, C, G, H, I (DLO)
	10	4 N·m (35 lbf·in)	1 - 2	B, C, I (DLO)
	12 - 14	4 N·m (35 lbf·in)	1 - 2	I (DLO)
			1 - 4	B, C

- Solid copper wire range: #10 - 14
- Wire strip length:
  - Top row: 5/8 in. (16mm)
  - Bottom row: 1.0 in. (25mm)
- Terminal screw drive: slotted

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

[2] Multiple wire rating applies to class B, C, & I.

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	2- 10	400	400	400	200	60	30	100,000
B, C	500 - 250	2 - 8	600	600	-	-	-	-	50,000
G, H, I	350 - 2	4 - 10	400	400	400	200	60	30	100,000
G, H, I	350 - 250	4 - 8	600	600	-	-	-	-	50,000
(*)	500 - 4	2 - 14	None						10,000

* Any wire class evaluated (see terminal specification section)

Installation & Accessories

- Mounting (Panel):
  - For use with 1/4 fastener.
  - Mounting torque to be determined in end use application not to exceed 40 lbf-in (4.5 Nm)

- Covers:
  - Snap on cover abailable upon request
  - Catalog number:
    -For 3 pole (1453xxx), CC1453
    -For 2 pole (1452xxx), CC1452
    -For 1 pole (1451xxx), CC1451
  - Cover is black thermoplastic

Drawing