



marathon™

Special Products

Product Data Sheet

145X587

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

Power Terminal Block

690 Amps 600 Volts AC/DC

Wire Range

- Line: (1) 500 kcmil - #4 AWG & (1) 350 kcmil - 4
- Load: (4) 2/0 - #14 AWG

Electrical Ratings

- 690 amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- SCCR of 10,000 A (default for terminal blocks).
- 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

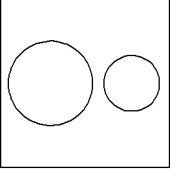
Material Information

- 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

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Termination Specifications

Line Side	Terminal	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	500 - 4	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
	350 - 4	350 - 300	31.1 N·m (275 lbf·in)	1	B, C
		250 - 2	31.1 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)
		4	31.1 N·m (275 lbf·in)	1	B, C

- Aluminum wire range: 350 kcmil - #4 AWG
- Wire strip length: 1 5/16 in. (33mm)
- Terminal screw drive: 3/8 in. hex & 5/16 in. hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	2/0 - 1/0 AWG	13.6 N·m (120 lbf·in)	1	B, C
	1 - 6	13.6 N·m (120 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)

- Solid copper wire range: #10 - 14
- Aluminum wire range: 2/0 - #12 AWG
- Wire strip length: 3/4 in. (19mm)
- Terminal screw drive: 3/16 in. hex

¹ For information on copper stranded wire classes please reference:
<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

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: CH145x (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

