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marathon™ Special Products

Product Data Sheet

140X404

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

Power Terminal Block

310 Amps 600 Volts AC/DC

Wire Range

- Line: (1) 350kcmil - #6 AWG
- Load: (6) #4 - #14 AWG

Electrical Ratings

- 310 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

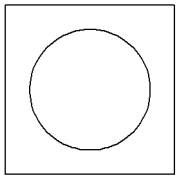
Agency Compliance

- 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

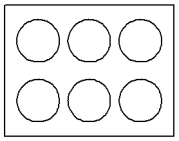
Material Information

- Insulator base:
  - Phenolic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 150°C (UL RTI)
- Connector: aluminum, tin plated
- Line terminal screws: aluminum, tin plated
- Load terminal 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]
	350 - 300 kcmil	13.6 N·m (275 lbf·in)	1	B, C
	250 - 2	13.6 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)
	4 - 6	13.6 N·m (275 lbf·in)	1	B, C

- Aluminum wire range: #350kcmil - #6 AWG
- Wire strip length: line & load side tap - 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. (8mm) hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) [1]
	4 AWG	4 N·m (35 lbf·in)	1	B, C
	6 - 8	4 N·m (35 lbf·in)	1	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

- Aluminum wire range: #4 - #14
- Wire strip length:
  - top row: 9/16 in. (14mm)
  - bottom row: 1.0 in. (25mm)
- Terminal screw drive: slotted

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

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	350 - 3/0	4 - 8	400	400	400	200	60	30	100,000
B, C	350 - 6	4 - 10	250	250	200	100	60	30	100,000
G, H, I	250 - 6	6 - 10	150	150	100	30	60	30	100,000
(*)	350 - 6	4 - 14	None						10,000

* Any wire class evaluated (see terminal specification section)

Installation & Accessories

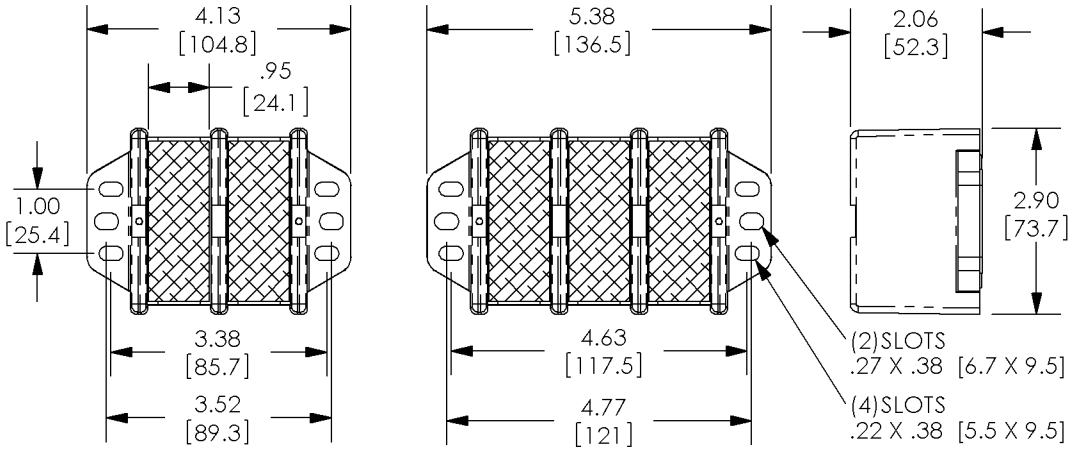
- Mounting (Panel):
  - For use with 1/4 fastener.
  - Torque mounting fastener to 30-40 lbf·in (3.4 - 4.5 N·m).

- Covers:
  - Flat covers available upon request
  - Catalog Number: CH140x (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


4.13
[104.8]
.95
[24.1]
1.00
[25.4]
3.38
[85.7]
3.52
[89.3]
5.38
[136.5]
4.63
[117.5]
4.77
[121]
2.06
[52.3]
2.90
[73.7]
(2)SLOTS
.27 X .38 [6.7 X 9.5]
(4)SLOTS
.22 X .38 [5.5 X 9.5]

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