marathon™
Special Products

133X270

Replace "x" with 1, 2, or 3 for number of poles
Add suffix "CH" for snap-on hinged cover

Power Terminal Block

510 Amps 600 Volts AC/DC

Wire Range
- Line: 3/8 - 16 X 1 3/16
- Load: (4) #2/0 - 14 AWG

Electrical Ratings
- 510 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 - certifed to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
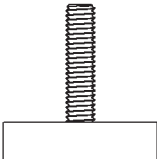- CE compliant to IEC 60947-7-1

Material Information
- Insulator base:
    - Thermoplastic
    - Flammability rating of insulator base UL94V0
    - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Terminal set screws: aluminum, tin plated
- Studs: brass, tin plated
- Nuts: brass, nickel plated
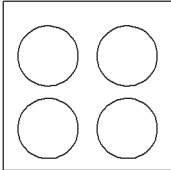- Connector mounting screws: steel, zinc plated
- RoHS compliant

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Termination Specifications

Line Side	Termination Type	Torque	Stud Length	Maximum Lug/Bar Width
	Listed lugs on 3/8 studs	21.7 N·m (192 lbf·in)	16	1.55" (40mm)

- For use with conductors prepared with listed connectors such as single hole compression/crimp lugs or listed ring, fork or spade terminals.
- Conductor size, ampacity, temperature rating and type are dictated by the ratings of the listed lugs utilized and applicable code requirements.

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 - 4	13.6 N·m (120 lbf·in)	1	B, C, G, H, I (DLO)
	6	13.6 N·m (120 lbf·in)	1 - 2 [2]	B, C, G, H, I (DLO)
	8	4.5 N·m (40 lbf·in)	1 - 2	B, C, G, H, I (DLO)
	10 - 14	4 N·m (35 lbf·in)	1 - 2 [2]	B, C, I (DLO)

- Solid copper wire range: #10 - 14 AWG
- Aluminum wire range: #2/0 - 8 AWG
- Wire strip length:
  - top row: 11/16 in. (17mm)
  - bottom row: 1 1/8 in. (29mm)
- Terminal screw drive: 3/16 in. hex

[1] For information on copper stranded wire classes please visit:
http://www.marathonsp.com/flexible-stranded-wire.php
[2] Multiple wire rating applies to class B, C, & I.

Installation & Accessories

- Mounting (Panel):
    - For use with #10 fastener.
    - Torque mounting fastener to 25-30 lbf·in (2.8 - 3.4 N·m).

- Covers:
    - Snap-on hinged covers available upon request
    - Catalog Number: CH133x (replace "x" with number of poles)
    - Covers are black thermoplastic
    - 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