



**marathon™**  
Special Products

## Product Data Sheet

# 133X273

*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: M10 X 30
- Load: (12) #4 - 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 - certified to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

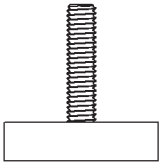
### Material Information

- Insulator base:
  - 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: steel, nickel plated
- Studs: brass, tin plated
- Nuts: brass, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

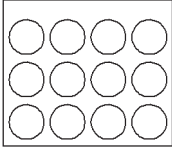
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## Termination Specifications

Line Side	Termination Type	Torque	Stud Length	Maximum Lug/Bar Width
	Listed lugs on M10 studs	21.7 N·m (192 lbf·in)	1.18" (30mm)	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) <sup>1</sup>
	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 <sup>2</sup>	B, C, I (DLO)
	12 - 14	4 N·m (35 lbf·in)	1 - 4	B, C
			1 - 2	I (DLO)

- Solid copper wire range: 10 - 14
- Aluminum wire range: 4 - 8 AWG
- Wire strip length:
  - top row: 1/2in. (13mm)
  - middle row: 11/16 in. (17mm)
  - bottom row: 13/16 in. (21mm)
- Terminal screw drive: 1/8 in. hex

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

<sup>2</sup> 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 hinge 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

