



## Product Data Sheet

# 145X411

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

### Power Terminal Block

## 840 Amps 600 Volts AC/DC

### Wire Range

- Line: (2) 600 kcmil - #2 AWG
- Load: (4) 3/0 - #6 AWG & (4) #4 - #14 AWG

### Electrical Ratings

- 840 Amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- SCCR of 10,000 kA with no over-current protection (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

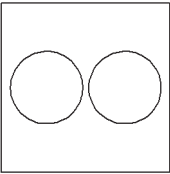
### Material Information

- 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 & steel, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

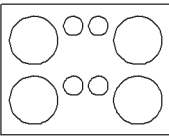
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## Termination Specifications

Line Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	600 - 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

- Aluminum wire range: 600 kcmil - 2 AWG
- Wire strip length: 1 5/8 in. (41mm)
- Terminal screw drive: 1/2 in. (13mm) hex

Load Side	Terminal	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	3/0 - 6	3/0	13.6 N·m (120 lbf·in)	1	B, C
		2/0	13.6 N·m (120 lbf·in)	1	B, C, G, H
		1/0 - 6	13.6 N·m (120 lbf·in)	1	B, C, G, H, I (DLO)
	4 - 14	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)
			4 N·m (35 lbf·in)	1 - 4	B, C

- Solid copper wire range: 10 - 14
- Aluminum wire range: 3/0 - 6 AWG & 4 - 14 AWG
- Wire strip length:
  - top row: 13/16 in. (21mm)
  - bottom row: 1 5/8 in. (41mm)
- Terminal screw drive: 5/16 in. (8mm) hex & slotted

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

## Installation & Accessories

- Mounting (Panel):
  - For use with #10 fastener.
  - Torque mounting fastener to 25-30 lbf·in (2.8 - 3.4 N·m).
  
- Covers:
  - Flat covers available upon request
  - Catalog Number: CC 145x (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

