



# marathon®

Special Products

## Product Data Sheet

# 132X580

Replace "x" with 1, 2, or 3 for number of poles  
132X580 CH for attached hinged cover

## Power Terminal Block

## 175 Amps 600 Volts AC/DC

### Wire Range

- Line: (1) 2/0 - #14 AWG
- Load: (6) 4 - #14 AWG

### Electrical Ratings

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

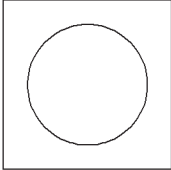
### Material Information

- Insulator base:
  - Thermoplastic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Line terminal screw: aluminum, tin plated
- Load terminal screws: steel, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

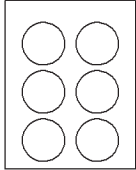
A Regal Brand

**REGAL**

## Termination Specifications

Line Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	2/0 - 1/0	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)

- Aluminum stranded wire range: 2/0 - #6 AWG
- Solid copper wire range: 10 - 14 AWG
- Wire strip length: 3/4 in. (19mm)
- Terminal screw drive: 5/16 in. hex

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	4	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 - 4	B, C
			1 - 2	I (DLO)
	Ferrule w/8-10	2.8 N·m (25 lbf·in)	1	Prepared with UL Ferrule Terminals
Ferrule w/12-14	2.2 N·m (20 lbf·in)	1		

- Aluminum stranded wire range: #6 AWG
- Solid copper wire range: 10 - 14 AWG
- Wire strip length: 3/4 in. (19mm)
- 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>

## 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 <b>Fuse</b> Required Amp Rating / Class						SCCR RMS Sym. Amps 600V. Max
	Line	Load	J	T	RK1	RK5	G	CC	
B, C	2/0 - 6	4 - 12	200	200	100	60	60	30	100,000
B, C	2/0 - 10	4 - 14	150	150	100	30	60	30	100,000
B, C	4 - 14	10 - 14	60	60	30	30	60	30	100,000
G, H, I	1 - 6	6 - 10	150	150	100	30	60	30	100,000
B, C	2/0-10	Ferrule w/8-14	150	150	100	30	60	30	100,000
G, H, I	1-6	Ferrule w/8-14	150	150	100	30	60	30	100,000

\* Any wire class evaluated (see terminal specification section)

### SCCR With Circuit Breakers

Suitable Conductors		Overcurrent Protection <b>Circuit Breaker</b> Required		Max AMP	Volts Max	SCCR RMS Sym. Amps
Line	Load	MFR	TYPE			
2/0 - 10	4 - 10	Square D	JJL36250	600	480	65,000
			JJL36250	600	600	25,000

## Installation & Accessories

- Mounting (Panel or Din):
  - For use with #10 fastener.
  - Torque mounting fastener to 25-30 lbf-in (2.8 - 3.4 N·m).
  - 7.5 X 35 mm din rail mountable
  - When mounting four or five pole products, mounting on opposite corners at ends are recommended
- Covers:
  - Snap on, hinge covers available upon request
  - Catalog Number: CH132x (replace "x" with number of poles)
  - Covers are black thermoplastic
  - Accessory covers are not intended to provide insulation for electrical spacings.
- Insulator base adders and 1 pole product can be snapped together through integral dovetails to create variable pole power blocks
- Marker Strip: white vinyl strip with mounting screws available.
- Printing options available, consult customer service for specifications

## Drawing

