

Power Terminal Block **132x580**

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



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

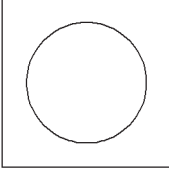
Agency Compliance

- 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

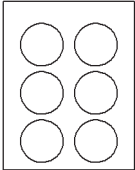
Material Information

- 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

Termination Specifications

Line Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) ¹
	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) ¹
	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

¹ For information on copper stranded wire classes please visit:
<http://www.marathonsp.com/blog/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 Fuse 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
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
(*)	2/0 - 14	4 - 14	None						10,000

* Any wire class evaluated (see terminal specification section)

SCCR With Circuit Breakers

Suitable Conductors				Overcurrent Protection Circuit Breaker Required		Max AMP	Volts Max	SCCR RMS Sym. Amps
Line	Wire Type	Load ³	Wire Type	MFR	TYPE			
2/0 - #10	B, C	#4 - #10	B, C	Square D	JJL36250	600	480	65,000
					JJL36250	600	600	25,000
#1 - #2	G	(2) #4 - (2) #10	B, C	Siemens	3VA5	250	480	65,000
2/0 - #8	B, C	(2) #4 - (2) #10	B, C	Siemens	3VA5	250	480	65,000
#1 - #2	G	(2) #4 - (2) #10	B, C ²	Siemens	3VA5	250	480	65,000
2/0 - #8	B, C	(2) #4 - (2) #10	B, C ²	Siemens	3VA5	250	480	65,000
#1 - #2	G	#4 - #10	B, C	Siemens	3VA5	250	600	25,000
2/0 - #8	B, C	(2) #4 - (2) #10	B, C	Siemens	3VA5	250	600	25,000
#1 - #2	G	(2) #4 - (2) #10	B, C ²	Siemens	3VA5	250	600	25,000
2/0 - #8	B, C	(2) #4 - (2) #10	B, C ²	Siemens	3VA5	250	600	25,000

² Wire types noted are ultrasonically welded wires. Unless noted, only unprepared wire has been evaluated.

³ Wire counts noted (#) are a minimum number of the the distribution wires needed to achieve this rating.

Installation & Accessories

- Mounting (Panel or Din):
 - For use with #10 fastener.
 - Mounting torque to be determined in end use application not to exceed 30 lbf in (3.4 Nm)
 - 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.
- 1 pole product can be snapped together through integral dovetails to create variable pole power blocks
- End bracket for din rail mounting: MSK35
- Din Rail (35 x 7.5 mm, 2 m long, slotted): MN35-2

Drawing

