



Product Data Sheet

145X411

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

Power Distribution Block 840 Amps, 600 Volts (AC/DC)



3-pole shown

Wire Range:

Line side: (2) 600 kcmil - #2 AWG

Load Side: (4) 3/0 - #6 AWG and (4) #4 - #14 AWG

Electrical Ratings:

- 840A copper wire, 680A Aluminum wire (Based on NEC Table 310-16, 75°C columns)
- 600 Volts AC/DC (UL 1059 Class C, User Group - General Industrial)
- CE Rated Voltage (U_i): 1,000 V AC/DC per IEC 60947-7-1
- Factory and Field Wiring

NOTE: Use outside these ratings must be judged in end-use application

Mechanical Ratings:

- Insulator base temperature rating: -40°C/F to 150°C (302°F) UL RT1
- Flammability rating of insulator base: UL 94 V-0

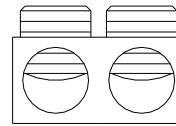
Materials:

- Connector: High conductivity aluminum, tin plated
- Insulator base: Phenolic
- Terminal set screws: Aluminum, tin plated and Steel, nickel plated
- Connector mounting screws: Steel, zinc plated

Agency Approvals:

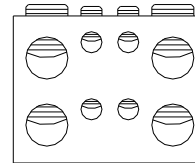
- UL Recognized, UL 1059 Terminal Block Standard, File No. XCFR2.E62806
- CSA Certified, CSA C22.2 No. 158, File No. LR19766 (Wire Classes B & C only)
- CE compliant to IEC 60947-7-1
- RoHS Compliant

Wire Range:
Line Side:



		Copper Wire Stranding Classes - Number of Conductors						
Wire Size	Torque	Solid	Class B	Class C	Class G	Class H	Class I	Class K
600 kcmil	375 in. lbs		1	1				
500	375 in. lbs		1	1				
400	375 in. lbs		1	1	1	1	1	1
350	375 in. lbs		1	1	1	1	1	1
300	375 in. lbs		1	1	1	1	1	1
250	375 in. lbs		1	1	1	1	1	1
4/0	375 in. lbs		1	1	1	1	1	1
3/0	375 in. lbs		1	1	1	1	1	1
2/0	375 in. lbs		1	1	1	1	1	1
1/0	375 in. lbs		1	1	1	1	1	1
1	375 in. lbs		1	1	1	1	1	1
2	375 in. lbs		1	1	1	1	1	1

Aluminum Stranded Wire Range: 600kcmil - #2 AWG



Load Side:

		Copper Wire Stranding Classes - Number of Conductors						
Wire Size	Torque	Solid	Class B	Class C	Class G	Class H	Class I	Class K
3/0 AWG	120 in. lbs		1	1				
2/0	120 in. lbs		1	1	1	1		
1/0	120 in. lbs		1	1	1	1	1	1
1	120 in. lbs		1	1	1	1	1	1
2	120 in. lbs		1	1	1	1	1	1
4	120 in. lbs		1	1	1	1	1	1
6	120 in. lbs		1	1	1	1	1	1

Aluminum stranded wire range: 3/0 – #6 AWG

		Copper Wire Stranding Classes - Number of Conductors						
Wire Size	Torque	Solid	Class B	Class C	Class G	Class H	Class I	Class K
4 AWG	35 in. lbs		1	1				
6	35 in. lbs		1	1	1	1	1	1
8	35 in. lbs		1	1	1	1	1	1
10	35 in. lbs	1	1 - 2	1 - 2			1 - 2	1 - 2
12	35 in. lbs	1	1 - 4	1 - 4			1 - 2	1 - 2
14	35 in. lbs	1	1 - 4	1 - 4			1 - 2	1 - 2

For information on copper stranded wire classes, please reference:
<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

* Multiple conductor approvals for **LOAD** side only. (copper wire only)

Aluminum stranded wire range: #4 AWG – #14 AWG

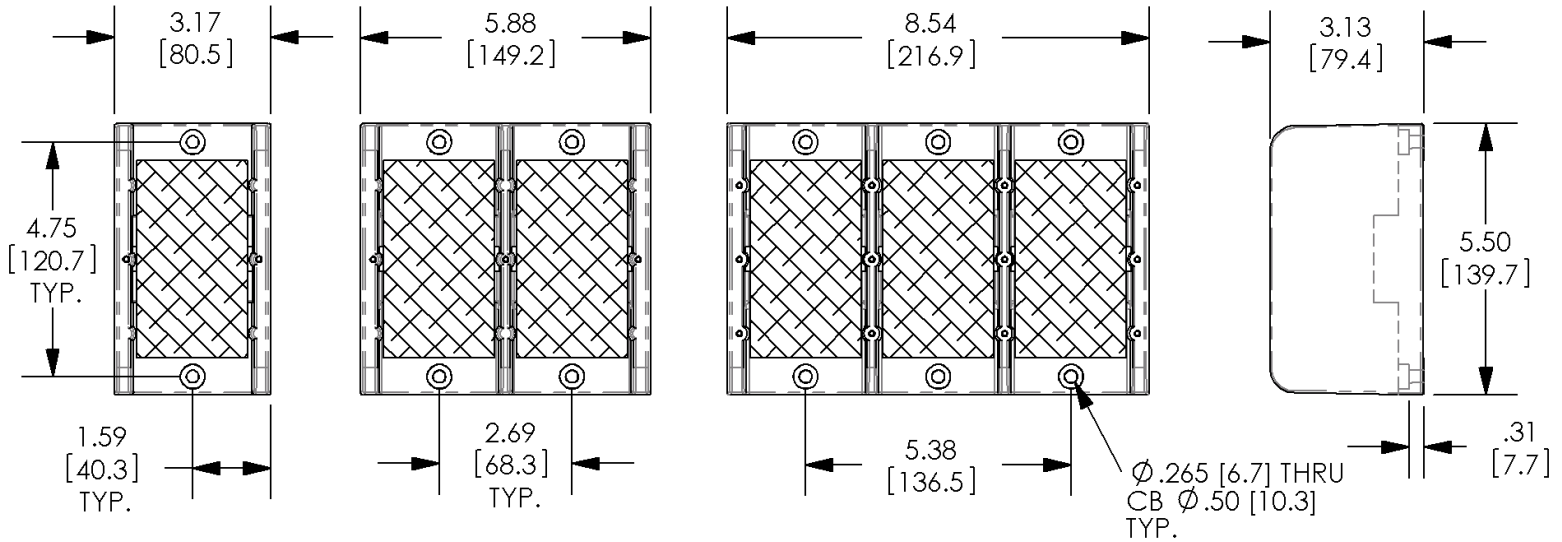
- Wire strip length, line side tap – 1 5/8"
- Wire strip length, load side tap, top row – 13/16", bottom row -1 5/8"
- Hex keys required: line side - 1/2", load side – 5/16" and slotted

Mounting:

- Panel mountable: 1/4" (M6) fastener, torque to 30 - 40 in. lbs.

Accessories:

- Cover: Clear protective plastic cover. Catalog description CC145X ("X" numbers of poles: 1,2 or 3)
- Marking strip: White vinyl strip to mark circuits. Supplied with mounting screws.
- Printing available. Consult factory.



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