

# Product Data Sheet

## 145X129

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

### Power Splicer Block 620 Amps, 600 Volts (AC/DC)



#### Wire Range:

Line side: (2) 350 kcmil - #4

Load Side: (2) 350 kcmil - #4

#### Electrical Ratings:

- 620A copper wire, 500A 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<sub>i</sub>): 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

#### Short Circuit Current Ratings (Copper wire only):

Wire Class	Suitable Conductors (kcmil/AWG)		Overcurrent Protection Fuse Required Class/Max Amp Rating						SCCR, RMS SYM Amps	Volts Max
	Line	Load	J	T	RK1	RK5	G	CC		
B, C	350 - 4	350 - 4	600	600	400	200	60	30	50,000	600
B, C	350 - 4	350 - 4	450	450	400	200	60	30	100,000	600
G, H, I, K	250 - 2	350 - 4	600	600	600	200	60	30	100,000	600

• Short Circuit Current Rating investigated in 16 x 12 x 6 enclosure. Use in smaller enclosure is subject to end-use evaluation.

#### Mechanical Ratings:

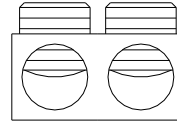
- Insulator base temperature rating: -40°C/F to 150°C (302°F) UL RTI
- Flammability rating of insulator base: UL 94 V-0

#### Materials:

- Connector: High conductivity aluminum, tin plated
- Insulator base: Phenolic
- Terminal set screws: Aluminum, tin plated
- 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 and Load Side Wire Approvals:

Wire Size	Torque	Copper Wire Stranding Classes - Number of Conductors						
		Solid	Class B	Class C	Class G	Class H	Class I	Class K
350 kcmil	275 in. lbs		1	1				
300	275 in. lbs		1	1				
250	275 in. lbs		1	1	1	1	1	1
4/0	275 in. lbs		1	1	1	1	1	1
3/0	275 in. lbs		1	1	1	1	1	1
2/0	275 in. lbs		1	1	1	1	1	1
1/0	275 in. lbs		1	1	1	1	1	1
1	275 in. lbs		1	1	1	1	1	1
2	275 in. lbs		1	1	1	1	1	1
4	275 in. lbs		1	1				

For information on copper stranded wire classes, please reference:

<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

Aluminum stranded wire range: 350 kcmil – #4 AWG

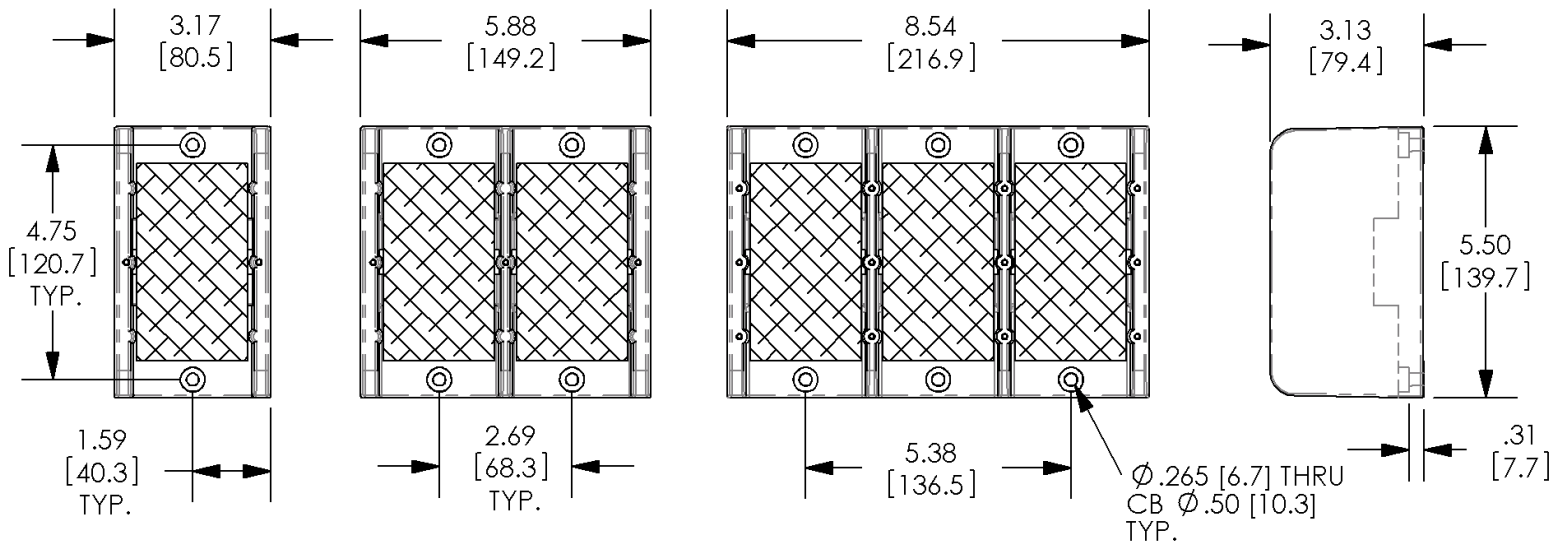
- Wire strip length, line and load side taps – 1 1/16"
- Hex key required: 5/16"

**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 Customer Service.



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