

Product Data Sheet



135X707 CH

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



Provides Feeder Circuit Terminal Spacing up to 600 Volts per UL 508A, Section 10.

Wire Range:

- Line Side: (2) 750kcmil – 1/0 AWG
- Load Side: (4) 3/0 - 6 AWG
(12) #2 –14 AWG

[See tables below for SCCR wire ranges, flexible stranded and multiple wire approvals.](#)

Electrical Ratings:

- 950A copper wire, 770A aluminum wire (Based on NEC Table 310-16, 75°C columns)
- UL Voltage Rating: 600 Volts AC/DC (UL 1953)
- 600 Volts AC/DC (UL 1059 Class A, User Group – Service Equipment and Class C – General Industrial)
- Factory and Field Wiring

Agency Certifications:

- UL Recognized, Investigated to US and Canadian standards, UL1059 and CSA 22.2
- Files XCFR2.E62806 and XCFR8.E62806
- cURus
- RoHS Compliant

Short Circuit Current Ratings:

SCCR Rating applies for Copper Stranded wire only
UL Class B, C (known as Rigid Stranded, Building Wire, Code Wire)
UL Class G, H, I (Flexible Stranded, includes DLO)

Suitable Conductors (kcmil/AWG) Copper, Stranded				Overcurrent Protection Class/Max Amp Rating					SCCR, RMS SYM Amps	Volts Max
Line		Load								
Size	Class	Size	Class	J	T	RK1	RK5	G		
750 - 1/0 535-1/0	B,C G, H, I	3/0 -2	B,C	600	700	600	200	60	100,000	600
		2/0 - 2	G, H, I	500	500	400	200	60		
		3/0 - 6 2/0 - 6	B,C G, H, I	300	300	200	100	60		
		Small Opening								
		2 - 6 4 - 6	B,C G, H, I	300	300	200	100	60		

- Short Circuit Current Rating investigated in 20 x 24 x 8 enclosure. Use in smaller enclosure is subject to end-use evaluation.

For DC power or any wire combinations or Overcurrent Protection not shown- SCCR is 10,000A

Mechanical Ratings:

- Maximum insulator base temperature: 125°C (257°F) UL RTI
- Flammability rating of insulator base: UL 94 V-0
 - Use outside these ratings needs to be judged in the end-use application.

Materials:

- Connector: High conductivity aluminum, tin plated
- Insulator base: Glass filled polycarbonate (thermoplastic)
- Terminal screws: Aluminum, tin plated and Steel, nickel plated
- Connector mounting screw: Steel, zinc plated
- Hinged cover: Glass filled polycarbonate (thermoplastic)

Wire Ranges, Wire Types, Torque Ratings: 135X707

UL Class B, C (known as Rigid Stranded, Building Wire, Code Wire)
 UL Class G, H, I (Flexible Stranded, includes DLO)

Line Side 2) 750 kcmil - 1/0 AWG

Copper Conductor			
Wire Size	Torque		UL Class
kcmil - AWG	N.m	in. lbs	
750 - 1/0	67.8	600	B, C
535 - 1/0	67.8	600	G,H, I
Aluminum Conductor			
Wire Size	Torque		Type
kcmil - AWG	N.m	in. lbs	
750 - 1/0	67.8	600	Stranded

Load Side 8) 3/0 - 6 AWG

Load Side 12) 2-14 AWG

Copper Conductor					Copper Conductor				
Wire Size	Torque		UL Class	No. Per Opening	Wire Size	Torque		UL Class	No. Per Opening
kcmil - AWG	N.m	in. lbs			kcmil - AWG	N.m	in. lbs		
3/0	20.3	180	B, C	1	2	5.7	50	B, C	1
2/0	20.3	180	B, C, G, H, I	1	3	5.7	50	B,C	1
1/0	20.3	180	B, C, G, H, I	1	4	5.7	50	B, C, G, H, I	1
1	20.3	180	B, C, G, H, I	1	6	5.7	50	B, C, G, H, I	1
2	20.3	180	B, C, G, H, I	1	8	5.7	50	B, C, G, H, I	1
3	20.3	180	B, C, G, H, I	1	10	4.5	40	B, C, G, H, I*	1
4	20.3	180	B, C, G, H, I	1	12	4.5	40	B, C, G, H, I*	1
6	20.3	180	B, C, G, H, I	1	14	4.5	40	B, C, G, H, I*	1
					*Also Solid Cu				
Aluminum Conductor					Aluminum Conductor (#8 AWG Minimum)				
Wire Size	Torque		Type	No. Per Opening	Wire Size	Torque		Type	No. Per Opening
kcmil - AWG	N.m	in. lbs			kcmil - AWG	N.m	in. lbs		
3/0 - 6	20.3	180	Stranded	1	2	5.7	50	Stranded	1
					3	5.7	50	Stranded	1
					4	5.7	50	Stranded	1
					6	5.7	50	Stranded	1

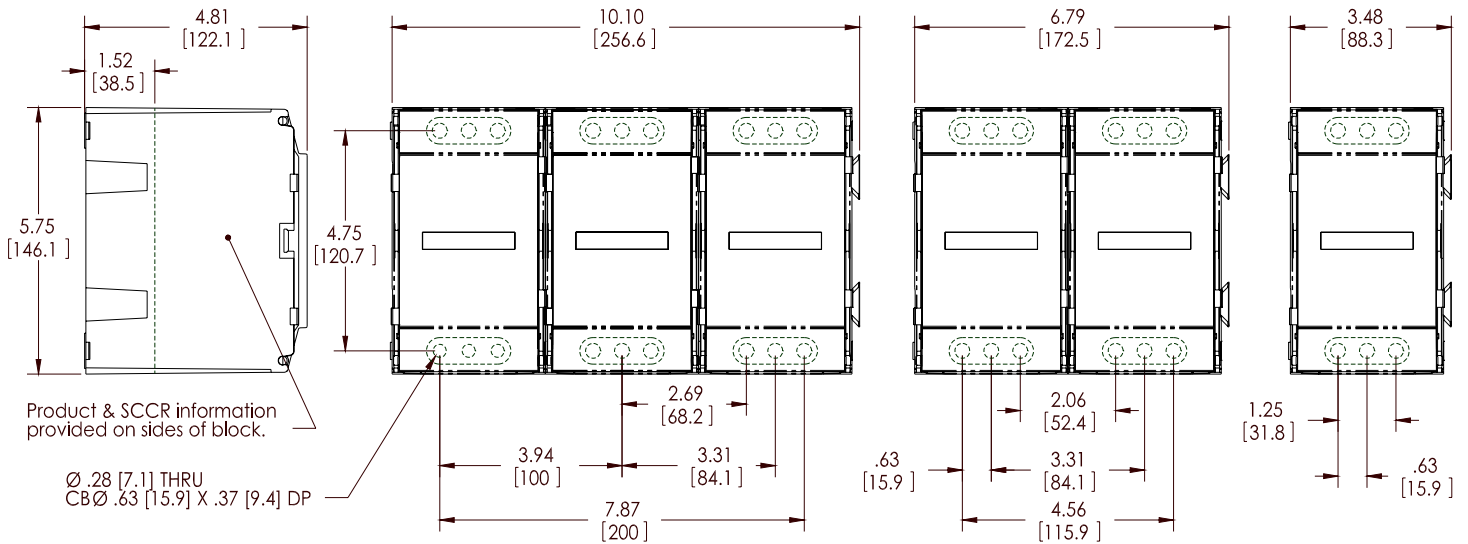
Installation:

- Wire strip length, line and load side tap – 1 3/4"
- Wire strip length, load side tap, top row – 7/8; bottom row – 1 7/8"
- Panel mountable: recommended fastener (4) per pole, 1/4 " or 6mm Torque to 30 in. lbs. (3.4 N.m)

Line Side 750 kcmil wire opening- diameter 1.125" (28.5 mm)

Load Side 3/0 AWG wire opening -diameter .547" (13.9 mm)

Load Side #2 AWG wire opening- diameter .312" (7.9 mm)



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