

# Product Data Sheet



## 135X705 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: (3) 250 kcmil – 6 AWG and (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	250 -2	B,C	600	700	600	200	60	100,000	600
		3/0 - 2	G, H, I							
		250 -6	B,C	300	300	200	100	60		
		3/0 - 6	G, H, I							
# 2 Opening										
		2 - 6	B,C	300	300	200	100	60		
		4 - 6	G, H, I							

- 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: 135X705**

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 3) 250 kcmil - 6 AWG**

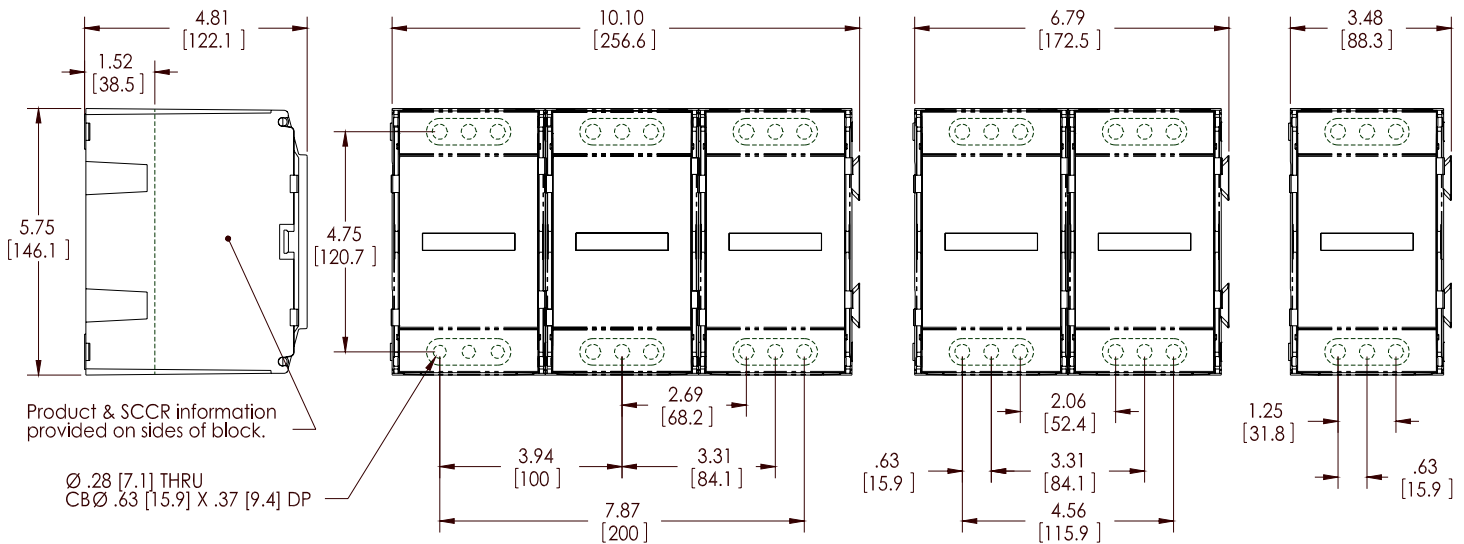
**Load Side 12) 2-14 AWG**

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		
250	31.0	275	B, C	1	2	5.7	50	B, C	1
4/0	31.0	275	B,C	1	3	5.7	50	B,C	1
3/0	31.0	275	B, C, G, H, I	1	4	5.7	50	B, C, G, H, I	1
2/0	31.0	275	B, C, G, H, I	1	6	5.7	50	B, C, G, H, I	1
1/0	31.0	275	B, C, G, H, I	1	8	5.7	50	B, C, G, H, I	1
1	31.0	275	B, C, G, H, I	1	10	4.5	40	B, C, G, H, I*	1
2	31.0	275	B, C, G, H, I	1	12	4.5	40	B, C, G, H, I*	1
3	31.0	275	B, C, G, H, I	1	14	4.5	40	B, C, G, H, I*	1
4	31.0	275	B, C, G, H, I	1				*Also Solid Cu	1
6	31.0	275	B, C, G, H, I	1					
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		
250 - 6	31.0	275	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 side tap – 1 3/4"
- Wire strip length, load side tap, top row large – 7/8", small 1/2"  
bottom row large– 1 7/8" small – 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 wire opening 250 kcmil– diameter .687" (17.4 mm)  
 Load Side wire opening 2 AWG – diameter .312" (8.0 mm)



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