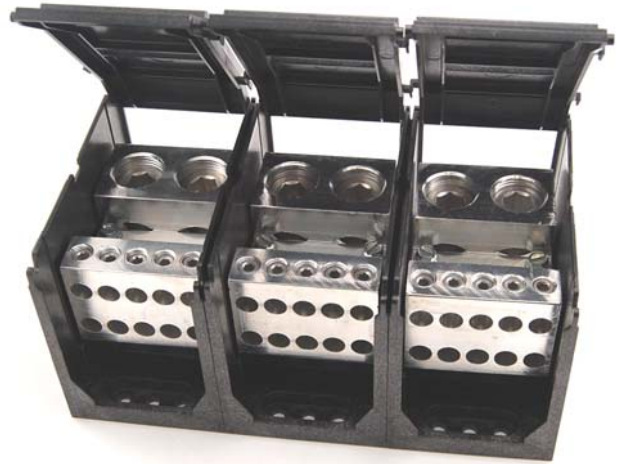


Product Data Sheet



135X704 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: (10) 2/0 kcmil – 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	2/0 - 2	B,C	600	700	600	200	60	100,000	600
		1 - 2	G, H, I							
		2/0 - 6	B,C	300	300	200	100	60		
		1 - 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
- Connector mounting screw: Steel, zinc plated
- Hinged cover: Glass filled polycarbonate (thermoplastic)

Wire Ranges, Wire Types, Torque Ratings: 135X704

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 10) 2/0 - 14 AWG

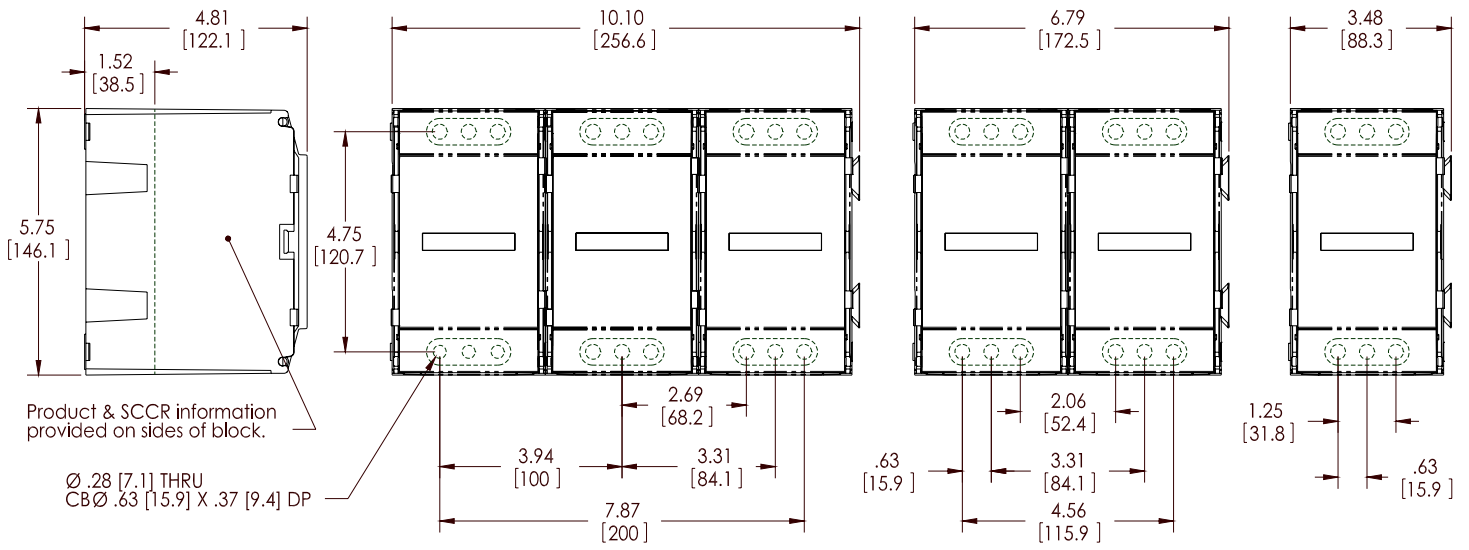
Copper Conductor				
Wire Size	Torque		UL Class	No. Per Opening
kcmil - AWG	N.m	in. lbs		
2/0	13.6	120	B, C	1
1/0	13.6	120	B,C	1
1	13.6	120	B, C, G, H, I	1
2	13.6	120	B, C, G, H, I	1
3	13.6	120	B, C, G, H, I	1
4	13.6	120	B, C, G, H, I	1
6	13.6	120	B, C, G, H, I	1
8	13.6	120	B, C, G, H, I	1
10	5.6	50	B, C, G, H, I*	1
12	5.6	50	B, C, G, H, I*	1
14	5.6	50	B, C, G, H, I*	1
			*Also Solid Cu	1
Aluminum Conductor				
Wire Size	Torque		Type	No. Per Opening
kcmil - AWG	N.m	in. lbs		
2/0 - 6	31.0	120	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 wire opening 2/0 AWG – diameter .438” (11.1 mm)



WWW.MARATHONSP.COM
 1-419-352-8441