

# Product Data Sheet



## 135X703

Power Distribution Block

UL Listed

Category QPQS

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: (6) 250 kcmil – 6 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)
- Factory and Field Wiring

**Agency Certifications:**

- UL Listed, Investigated to UL 1953, File QPQS.E309401
- 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							

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

Minimum Enclosure Size: 20" x 24" x 8" (3840 cu. In)

**Mechanical Ratings:**

- Maximum insulator base temperature: 125°C (257°F) UL RTI
- Flammability rating of insulator base: UL 94 V-0

**Materials:**

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

**Wire Ranges, Wire Types, Torque Ratings: 135X703**

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 6) 250 kcmil - 6 AWG**

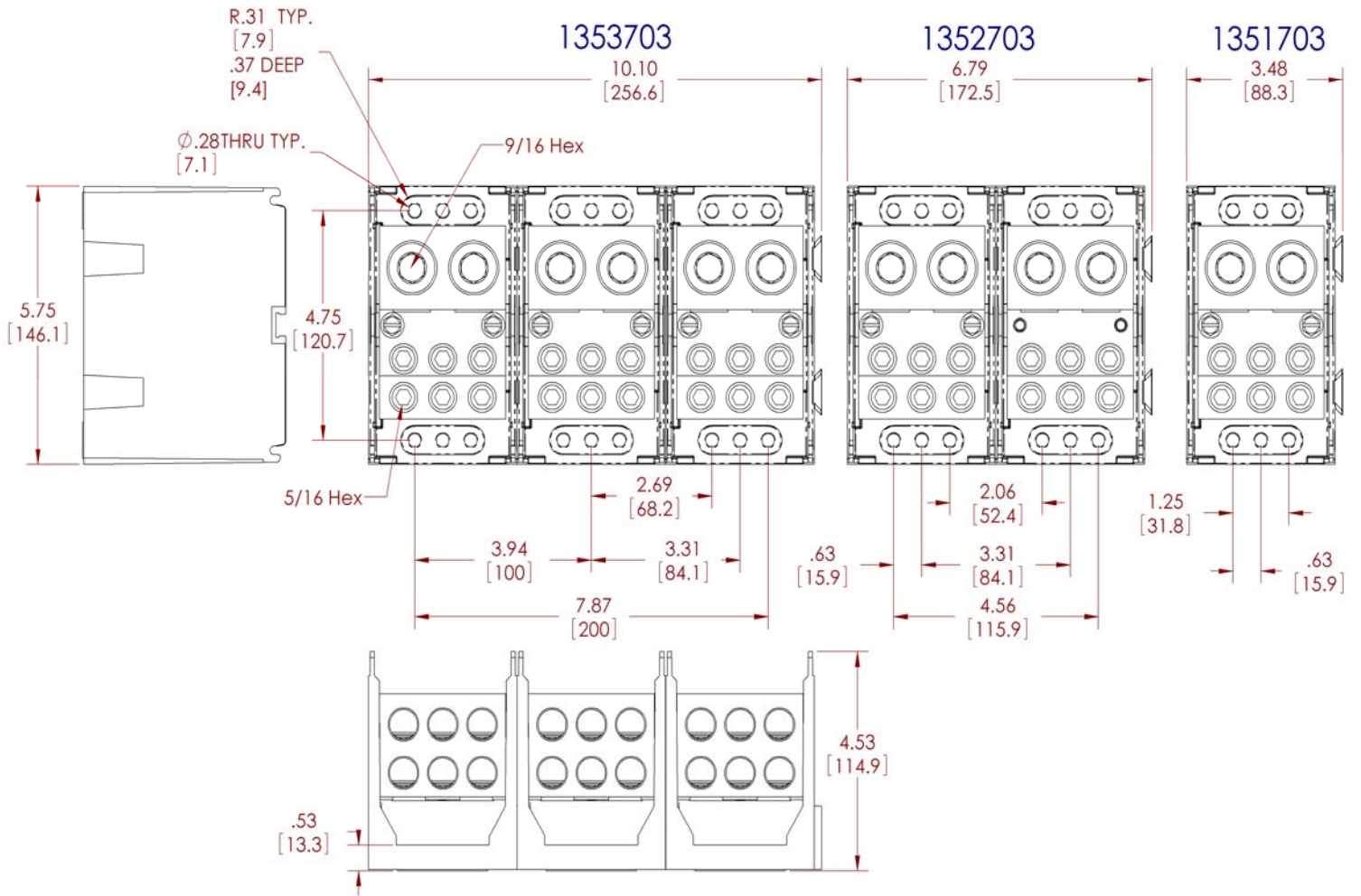
Copper Conductor				
Wire Size	Torque		UL Class	No. Per Opening
kcmil - AWG	N.m	in. lbs		
250	31.0	275	B, C	1
4/0	31.0	275	B,C	1
3/0	31.0	275	B, C, G, H, I	1
2/0	31.0	275	B, C, G, H, I	1
1/0	31.0	275	B, C, G, H, I	1
1	31.0	275	B, C, G, H, I	1
2	31.0	275	B, C, G, H, I	1
3	31.0	275	B, C, G, H, I	1
4	31.0	275	B, C, G, H, I	1
6	31.0	275	B, C, G, H, I	1
Aluminum Conductor				
Wire Size	Torque		Type	No. Per Opening
kcmil - AWG	N.m	in. lbs		
250 - 6	31.0	275	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 250 kcmil wire opening -diameter .687" (17.4 mm)



[WWW.MARATHONSP.COM](http://WWW.MARATHONSP.COM)  
 1-419-352-8441