

Product Data Sheet

FPB23570

Listed Power Distribution Block
 175 Amps, 600 Volts UL (AC/DC)



Wire Range:

Line side: (1) 2/0 - #14 AWG
 Load Side: (4) #4 - #14 AWG

Electrical Ratings:

- 175A copper wire, 135A aluminum wire (Based on NEC Table 310-16, 75°C columns)
- CE Rated Voltage (U_i): 1,000 V AC/DC per IEC 60947-7-1
- 600 Volts AC/DC (Service Equipment according to National Electrical Code, NFPA 70)
- Minimum enclosure size: 16 X 12 X 6
- Factory and Field Wiring

NOTE: Use outside these ratings must be judged in end-use application

Short Circuit Current Ratings (Copper wire only):

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		
2/0 - 6	4 - 14	200	200	200	100	60	30	100,000	600

		Overcurrent Protection Circuit Breaker Required			SCCR, RMS SYM Amps	Volts Max
Line	Load	Mfr	Type	Max Amp		
2/0 - 2	4 - 8	Square D	JLL36250	250	65,000	480
2/0 - 4	4 - 8	Allen Bradley	14OU-J6	250	50,000	480
			14OU-JO	250	50,000	480
1/0 - 6	4 - 10	Allen Bradley	14OU-H6	125	50,000	480
			14OU-HO	125	50,000	480

Mechanical Ratings:

- Insulator base temperature: -40°C/F to 125°C (257°F) UL RTI
- Maximum insulator base plate temperature: 130°C (266°F) UL RTI
- Flammability rating of insulator base and base plate: UL 94 V-0

Materials:

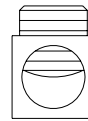
- Connector: High conductivity aluminum, tin plated
- Insulator base: Glass filled polycarbonate (thermoplastic)
- Terminal set screws: Steel, nickel plated and aluminum, tin plated
- Connector mounting screw: Steel, zinc plated
- Insulator base plate: Phenolic laminate

Agency Approvals:

- UL Listed, File No. QPQS.E309401
- Investigated to UL 1953
- UL 508A Feeder Circuit Terminal Spacing for up to 600 Volts
- CSA Certified, CSA C22.2 No. 158, File No LR 19766
- 600V Rating for Class 6228 01 – Use Groups A, B, C
- CE compliant to IEC 60947-7-1
- RoHS Compliant

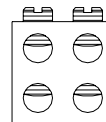
Wire Ranges:

Line Side Wire Range:



Wire Size	Torque		Copper Wire Stranding Classes - Number of Conductors		
	N.m	in. lbs	Solid	Class B	Class C
2/0 AWG	13.6	120		1	1
1/0	13.6	120		1	1
1	13.6	120		1	1
2	13.6	120		1	1
4	13.6	120		1	1
6	13.6	120		1	1
8	4.5	40		1	1
10	4.0	35	1	1	1
12	4.0	35	1	1	1
14	4.0	35	1	1	1

Aluminum stranded wire range: 2/0 – 14 AWG



Load Side Wire Range:

Wire Size	Torque		Copper Wire Stranding Classes - Number of Conductors		
	N.m	in. lbs	Solid	Class B	Class C
4 AWG	4.0	35		1	1
6	4.0	35		1	1
8	4.0	35		1	1
10	4.0	35	1	1	1
12	4.0	35	1	1	1
14	4.0	35	1	1	1

Aluminum stranded wire range: 4 – 14

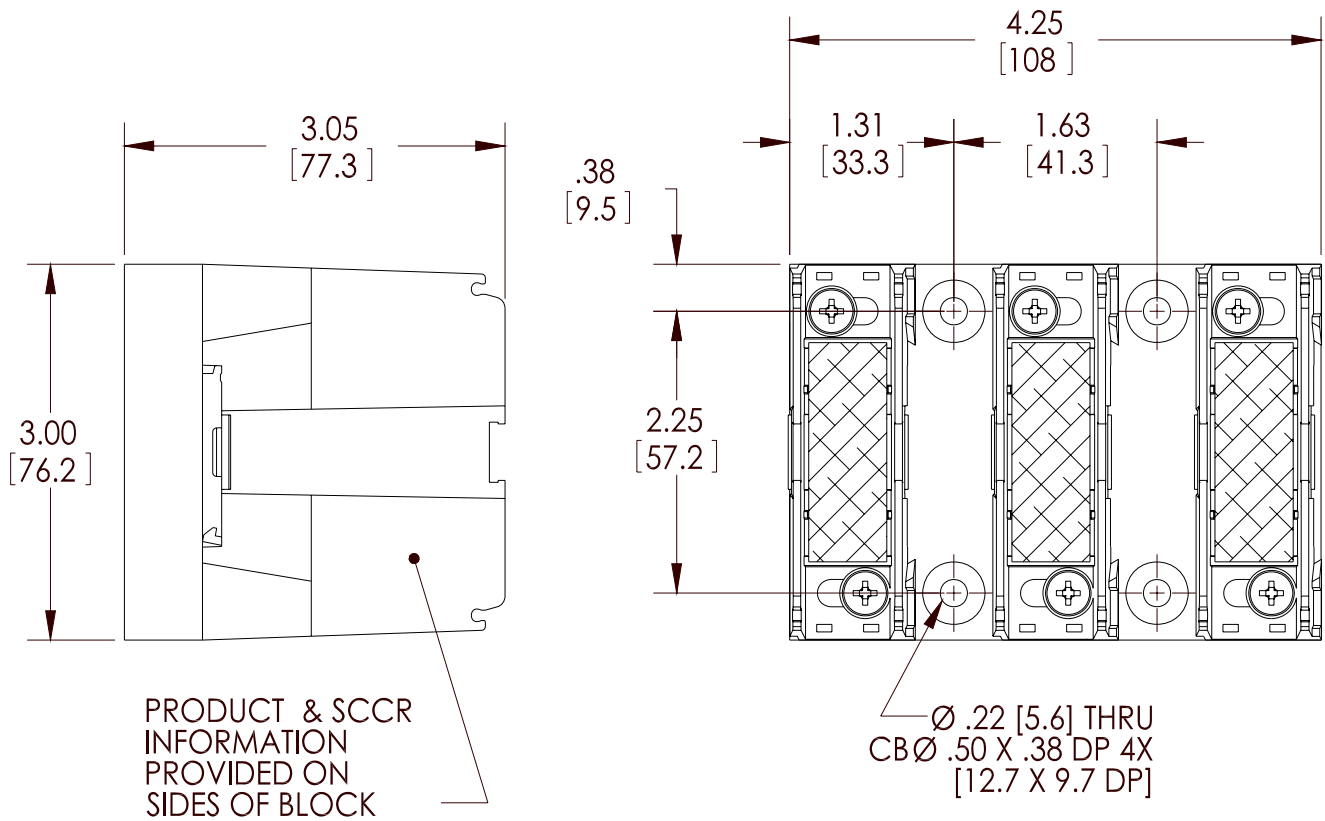
- Wire strip length, line side tap – 11/16"
- Wire strip length, load side tap, top row – 3/8", bottom row – 13/16"
- Hex keys needed: #4 tap – 1/8", 2/0 tap – 5/16"

Mounting:

- Panel mountable: #10 (5 mm) fastener, torque to 25-30 in. lbs.

Accessories:

- Marker Strips to mark circuits. Printing available. Consult factory.



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