

Product Data Sheet



PDH-12-350-X

Replace "X" with 1, 2 or 3 for number of poles

Power Distribution Block

310 Amps, 600 Volts (AC/DC)

1,000V AC/DC CE (IEC 60947-7-1)

Wire Range:

Line side: (1) 350kcmil - #6 AWG

Load Side: (2) 2/0 - #14 AWG

Electrical Ratings:

- 310A Copper wire, 250A 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
- Material Group: IIIa
- Pollution Degree: 3
- 600 Volts AC/DC (UL 1059 Class C, User Group - General Industrial)
- Factory and Field Wiring

Short Circuit Current Ratings (Copper wire only):

Wire Class	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		
B, C	350 - 3/0	2/0 - 1	500	500	400	200	60	30	100,000	600
B, C	350 - 6	2/0 - 10	200	200	200	100	60	30	100,000	600
G, H, I	250 - 1/0	1 - 10	150	150	100	30	60	30	100,000	600

• Short Circuit Current Rating investigated in 16 x 12 x 6 enclosure. Use in smaller enclosure is subject to end-use evaluation.

Mechanical Ratings:

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

* Use outside these ratings needs to be judged in the end-use application.

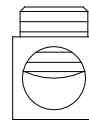
Materials:

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

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard, File No. E84782
- CSA Certified, CSA C22.2 No. 158, File No. MC 249467 (Wire Classes B & C only)
- CE compliant to IEC 60947-7-1
- RoHS Compliant

Wire Approvals:

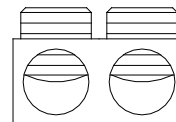


Line Side Wire Approvals:

		Copper Wire Stranding Classes - Number of Strands						
Wire Size	Torque	Solid	Class B	Class C	Class G	Class H	Class I	Class K
350 kcmil	275 in. lbs		37	61				
300	275 in. lbs		37	61				
250	275 in. lbs		37	61	~ 259	~ 427	~ 637	~ 2499
4/0	275 in. lbs		19	37	~ 133	~ 259	~ 532	~ 2107
3/0	275 in. lbs		19	37	~ 133	~ 259	~ 418	~ 1666
2/0	275 in. lbs		19	37	~ 133	~ 259	~ 342	~ 1323
1/0	275 in. lbs		19	37	~ 133	~ 259	~ 266	~ 1064
1	275 in. lbs		19	37	~ 133	~ 259	~ 210	~ 836
2	275 in. lbs		7	19	~ 49	~ 133	~ 161	~ 665
4	275 in. lbs		7	19				
6	275 in. lbs		7	19				

~Quantity of strands for Classes G, H, I, K may vary by manufacturer.

Aluminum Wire Range: 350kcmil – #6



Load Side Wire Approvals:

		Copper Wire Stranding Classes - Number of Strands						
Wire Size	Torque	Solid	Class B	Class C	Class G	Class H	Class I	Class K
2/0 AWG	120 in. lbs		19	37				
1/0	120 in. lbs		19	37				
1	120 in. lbs		19	37	~ 133	~ 259	~ 210	~ 836
2	120 in. lbs		7	19	~ 49	~ 133	~ 161	~ 665
4	120 in. lbs		7	19	~ 49	~ 133	~ 105	~ 420
6	120 in. lbs		(1-2)* 7	(1-2)* 19	~ 49	~ 133	~ 63	~ 266
8	40 in. lbs		(1-2)* 7	(1-2)* 19	~ 49	~ 133	~ 41	~ 168
10	35 in. lbs	1	(1-2)* 7	(1-2)* 19			~ 27	~ 104
12	35 in. lbs	1	(1-2)* 7	(1-2)* 19			~ 19	~ 65
14	35 in. lbs	1	(1-2)* 7	(1-2)* 19			~ 19	~ 41

~Quantity of strands for Classes G, H, I, K may vary by manufacturer.

*Multiple conductor approvals for **LOAD** side only. (copper wire only)

Aluminum Wire Range: 2/0 – #8

- Wire strip length, line side tap – 1.0”
- Wire strip length, load side – 1.0 “
- Hex key required : 5/16”
- Panel mountable: #10 fastener, torque to 25-30 in. lbs.

Accessories:

- Marker Strips. MS-X-L (Replace X with 1, 2, or 3 for no. of poles)

