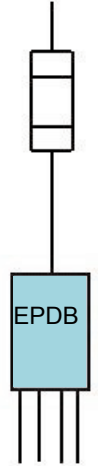


# Series EPDB Enclosed Power Distribution Blocks Instruction Sheet

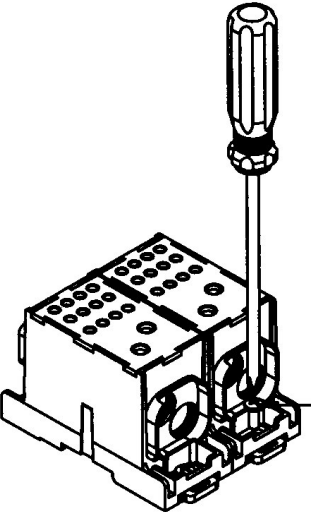
Part Number	Amps	Minimum Enclosure Size	Line				Load				Short-Circuit Current Rating Data							
											Conductors		Max Fuse Class & Amp**					SCCR
			CU Wire Range	Torque Lb-in (Nm)	Trim Length in (mm)	Hex Key	CU Wire Range	Torque Lb-in (Nm)	Trim Length in (mm)	Hex Key	Line AWG or kcmil	Load AWG or kcmil	J JDL	T TJS TJN	RK1 LESRK LENRK	RK5 ECSR ECNR		
EPDB101	175A	16" x 16" x 6.75"	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	110 (12.4)	0.850 (21.6)	3/16"	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	110 (12.4)	0.970 (24.6)	3/16"	2/0 to 8	2/0 to 8	200	200	100	60	200ka	
EPDB104	175A	16" x 16" x 6.75"	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	120 (13.6)	0.750 (19.0)	3/16"	4 to 6 AWG 25 to 16mm <sup>2</sup>	35 (4.0)	0.550 (14.0) top row, 0.850 (21.6) bottom row	1/8"	2/0 to 8	4 to 12	200	200	100	60	200kA	
							8 AWG 10mm <sup>2</sup>	25 (2.8)				4 to 14	175	175	100	60	100kA	
							10 to 14 AWG 6 to 2.5mm <sup>2</sup>	20 (2.3)					200	200	100	60	50kA	
EPDB301	310A	36" x 30" x 12.625"	350 Kcmil to 6 AWG 150 to 16mm <sup>2</sup>	275 (31.1)	1.350 (34.3)	5/16"	350 Kcmil to 6 AWG 150 to 16mm <sup>2</sup>	275 (31.1)	1.250 (31.8)	5/16"	350 to 6	350 to 6	400	400	200	100	200kA	
EPDB306	380A	24" x 20" x 6.7"	500 Kcmil to 6 AWG 240 to 16mm <sup>2</sup>	500 (56.5)	1.250 (31.8)	3/8"	2 to 3 AWG 35mm <sup>2</sup>	50 (5.7)	0.590 (15.0) top row 1.200 (30.5) bottom row	1/8"	500 to 6	2 to 6	400	400	200	100	200kA	
							4 to 6 AWG 25 to 16mm <sup>2</sup>	45 (5.1)				2 to 14	200	200	100	30	50kA	
							8 AWG 10mm <sup>2</sup>	40 (4.5)					175	175	100	30	100kA	
							10 to 14 AWG 6 to 2.5mm <sup>2</sup>	35 (4.0)										
EPDB512	570A	24" x 20" x 6.75	300 Kcmil to 4 AWG 150 to 25mm <sup>2</sup>	275 (31.1)	1.15 (29.2) top row 1.400 (35.6) bottom row	1/4"	4 to 6 AWG 25 to 16mm <sup>2</sup>	35 (4.0)	0.550 (14.0) top row, 1.00 (25.4) middle row 1.220 (31.0) bottom row	1/8"	300	4 to 8	600	600	400	200	200kA	
							8 AWG 10mm <sup>2</sup>	25 (2.8)			300 to 4	4	600	600	400	200	50kA	
							10 to 14 AWG 6 to 2.5mm <sup>2</sup>	20 (2.3)				4 to 14	200	200	100	30	50kA	
EPDB602	620A	36" x 30" x 12.625"	350 Kcmil to 4 AWG 185 to 25mm <sup>2</sup>	275 (31.1)	1.250 (31.8)	5/16"	350 Kcmil to 4 AWG 185 to 25mm <sup>2</sup>	275 (31.1)	1.250 (31.8)	5/16"	350	350	600	600	400	200	200kA	
EPDB702	760A	36" x 30" x 12.625"	500 Kcmil to 6 AWG 240 to 16mm <sup>2</sup>	500 (56.5)	1.250 (31.8)	3/8"	500 Kcmil to 6 AWG 240 to 16mm <sup>2</sup>	500 (56.5)	1.250 (31.8)	3/8"	500	500	600	800*	600	400	200kA	
											500 to 6	500 to 6	600	800*	600	400	200	100kA
													600	800*	600	400	200	100kA

Ampacities 75C per NEC® Table 310.16 and UL508A Table 28.1  
 \*Class L 800A (LCL800) or less fuses suitable for this particular SCCR case.  
 \*\* Class G 60A (SEC60) or less or Class CC 30A (EDCC30, HCTR30, HCLR30) or less are suitable for all these SCCRs in this table.

**High Short-Circuit Current Rating (SCCR)**  
 To obtain a high SCCR for a power distribution block (50kA or greater), an upstream current-limiting fuse of a specific class and maximum ampere rating as shown in the adjacent table shall be used. Otherwise, the SCCR of the power distribution block will default to 10kA based on UL508A, Table SB4.1.



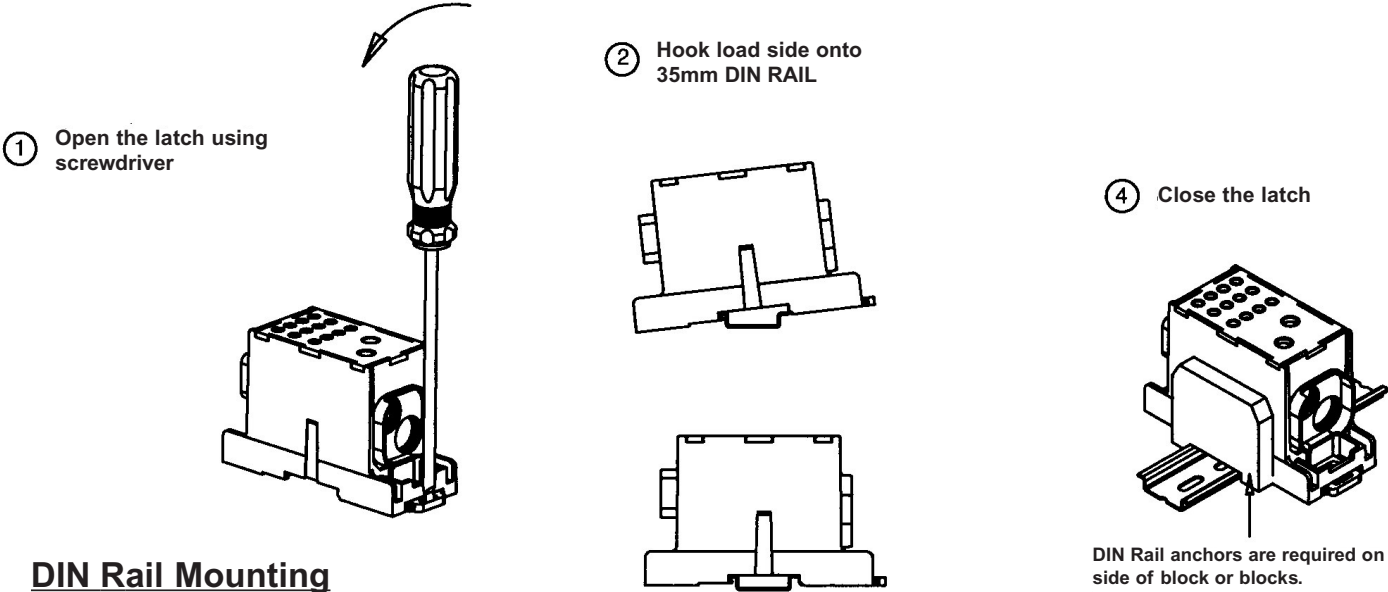
**Panel Mounting**  
Capable on all part numbers



Use 2 screws for mounting each pole (#10 or M5 screw) (4 screws for EPDB702)

OR

**DIN Rail Mounting**  
EPDB101, EPDB104, EPDB301, EPDB512, and EPDB602 only.



DIN Rail anchors are required on each side of block or blocks. Anchors must be used to prevent damage to the plastic housing when tightening terminals.

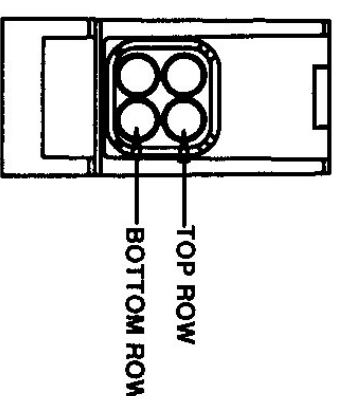
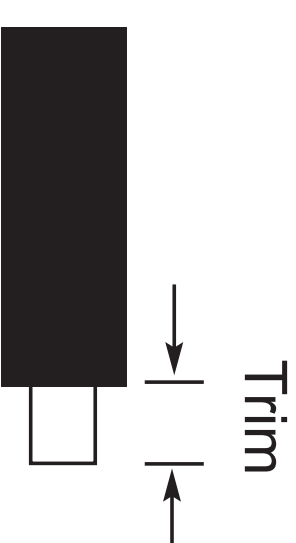


# Series EPDB Enclosed Power Distribution Blocks Instruction Sheet

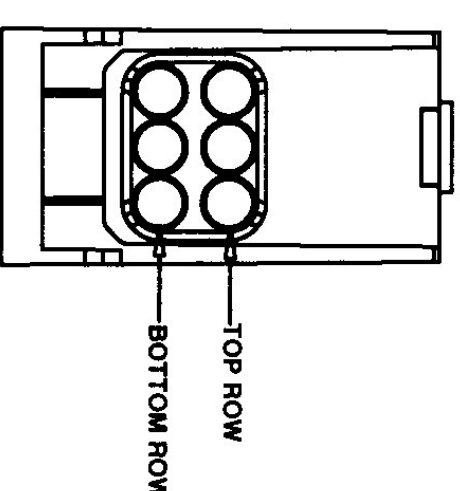
## Specific Conditions to Achieve IP-20 Finger-Safe Status for EPDB

Part Number	Trim Length in (mm)	Installed Wire	IP-20		Trim Length in (mm)	Installed Wire	IP-20	
			Conductor Openings	Screw Opening			Conductor Openings	Screw Opening
EPDB101	0.850 (21.6)	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	Yes	Yes	0.970 (24.6)	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	Yes	Yes
			Yes	Yes			Yes	Yes
EPDB104	0.750 (19.0)	2/0 to 8 AWG 70 to 10mm <sup>2</sup>	Yes	Yes	0.550 (14.0) top row, 0.850 (21.6) bottom row	4 to 14 AWG 25 to 2.5mm <sup>2</sup> screws fully opened	N/A	Yes
			Yes	Yes			N/A	Yes
EPDB301	1.350 (34.3)	350 Kcmil to 2/0 AWG 150 to 70mm <sup>2</sup> 1/0 to 6 AWG 50 to 16mm <sup>2</sup>	Yes	Yes	1.250 (31.8)	350 Kcmil to 2/0 AWG 150 to 70mm <sup>2</sup> 1/0 to 6 AWG 50 to 16mm <sup>2</sup>	Yes	Yes
			No	Yes			No	Yes
EPDB306	1.250 (31.8)	500 to 250 Kcmil 240 to 150mm <sup>2</sup> 4/0 to 6 AWG 120 to 16mm <sup>2</sup>	Yes	Yes	0.590 (15.0) top row, 1.200 (30.5) bottom row	2 to 14 AWG 35 to 2.5mm <sup>2</sup> screws fully opened	Yes	Yes
			No	Yes			N/A	Yes
EPDB512	1.15 (29.2) top row, 1.400 (35.6) bottom row	300 Kcmil to 4/0 AWG 150 to 120mm <sup>2</sup> 3/0 to 4 AWG 95 to 25mm <sup>2</sup> screws fully opened	Yes	Yes	0.550 (14.0) top row, 1.00 (25.4) middle row, 1.220 (31.0) bottom row	4 to 14 AWG 25 to 2.5mm <sup>2</sup> screws fully opened	Yes	Yes
			No	Yes			N/A	Yes
EPDB602	1.250 (31.8)	350 Kcmil to 2/0 AWG 185 to 70mm <sup>2</sup> 1/0 to 4 AWG 50 to 25mm <sup>2</sup> screws fully opened	Yes	Yes	1.250 (31.8)	350 Kcmil to 2/0 AWG 185 to 70mm <sup>2</sup> 1/0 to 4 AWG 50 to 25mm <sup>2</sup> screws fully opened	Yes	Yes
			No	Yes			No	Yes
EPDB702	1.250 (31.8)	no wire in hole 500 to 350 Kcmil 240 to 185mm <sup>2</sup> 300 Kcmil to 6 AWG 150 to 16mm <sup>2</sup> screws fully opened	No	N/A	1.250 (31.8)	no wire in hole 500 to 350 Kcmil 240 to 185mm <sup>2</sup> 300 Kcmil to 6 AWG 150 to 16mm <sup>2</sup> screws fully opened	No	N/A
			No	N/A			No	N/A

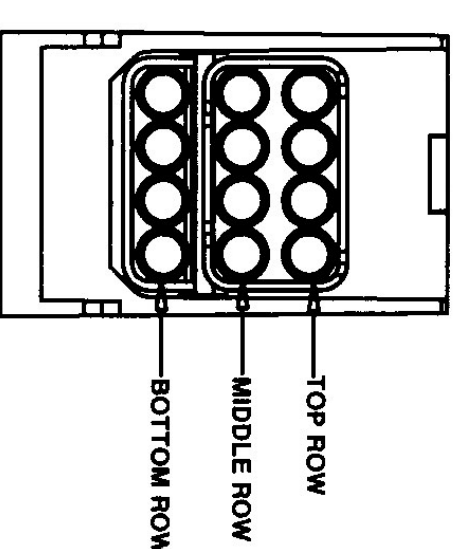
Part Number	Wire Connector Hole Diameter	
	Line in (mm)	Load in (mm)
EPDB101	0.450 (11.5)	0.450 (11.5)
EPDB104	0.450 (11.5)	0.246 (6.25)
EPDB301	0.720 (18.3)	0.720 (18.3)
EPDB306	0.870 (22.1)	0.314 (8.0)
EPDB512	0.687 (17.5)	0.265 (6.7)
EPDB602	0.718 (18.2)	0.718 (18.2)
EPDB702	0.875 (22.2)	0.875 (22.2)



EPDB104



EPDB306



EPDB512

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