

# Product Data Sheet



## EPBAD42

Listed Enclosed Power Splicer Block  
200 Amps, 600 Volts (AC/DC)  
1,000V AC/DC CE (IEC 60947-7-1)  
DIN Rail mountable on 7.5 x 35 mm rail.



Shown here on Din Rail

### Wire Range:

Line side: (1) 3/0 - #14 AWG (70 mm<sup>2</sup> - 2.5 mm<sup>2</sup>)  
Load Side: (1) 3/0 - #14 AWG (25 mm<sup>2</sup> - 2.5 mm<sup>2</sup>)

### Electrical Ratings:

- 200A copper wire, 155A aluminum wire (Based on NEC Table 310-16, 75°C columns)
- UL Listed at 600 Volts AC/DC per UL-1953
- UL 508A Feeder Circuit Terminal Spacing for up to 600 Volts
- CSA Certified at 600V AC/DC per CSA C22.2 No. 158. (Class-C, General Industrial)
- CE Rated Voltage (U<sub>i</sub>): 1000V AC/DC per IEC 60947-7-1
- Minimum enclosure size: 16 X 12 X 6
- Factory and Field Wiring

### Mechanical Ratings:

- Maximum insulator base temperature: 125°C (257°F) UL RTI
  - Flammability rating of insulator base: UL 94 V-0
  - Touch protection: IP-20 (IEC 60529) with following conditions: Restricted wire range. See "Wire Approvals" table below for wire ranges to achieve IP-20 rating.
- \* Use outside these ratings needs to be judged in the end-use application.

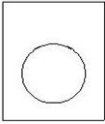
### Materials:

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

### Agency Approvals:

- UL Listed, UL 1953 Listed Power Distribution Block, File No. QPQS.E309401
- CSA Certified, CSA C22.2 No. 158, File No. LR19766 (Copper Wire Classes B & C only)
- CE compliant to IEC 60947-7-1
- RoHS Compliant

## Wire Approval Specifications:

Line & Load Side	Torque	Wires/ Terminal	IP-20 Protection	Class**	
	3/0	180 lbf.in	1	Yes	B, C
	2/0	180 lbf.in	1	Yes	B, C, G, H, I
	1/0	180 lbf.in	1	Yes	B, C, G, H, I
	1	180 lbf.in	1	Yes	B, C, G, H, I
	2	180 lbf.in	1	Yes	B, C, G, H, I
	4	180 lbf.in	1 to 2 *	No	B, C, G, H, I
	6	180 lbf.in	1 to 2	No	B, C, G, H, I
	8	180 lbf.in	1 to 2	No	B, C, G, H, I
	10	50 lbf.in	1 to 2	No	B, C, G, H, I
	12	50 lbf.in	1 to 2	No	B, C, G, H, I
14	50 lbf.in	1 to 2	No	B, C, G, H, I	

- Aluminum Stranded Wire range 3/0-6 AWG
- Copper Solid Wire range 10-14 AWG
- Wire strip length – 7/8" (17.5 mm)

\* Multiple wire rating for Classes B & C only.

\*\* Listed in order of Low to High Strand count. Higher Strand counts give greater flexibility.

## Short Circuit Current Ratings (Copper wire only):

Wire Type (Class)	Wire Range		Max Fuse Protection Req. Amp Rating / Class						SCCR RMS Sym. Amps 600V Max.
	Line	Load	<i>J</i>	<i>T</i>	<i>RK1</i>	<i>RK5</i>	<i>G</i>	<i>CC</i>	
<b>B, C</b>	3/0 - 8	3/0 - 8	225	225	200	60	60	30	<b>100,000</b>
<b>G, H, I</b>	2/0 - 8	2/0 - 8	300	300	200	100	60	30	

### Accessories:

- Marking Cards: White plastic inserts to mark circuits. Printing available.
- Din Rail (35 x 7.5 mm, 2 m long, slotted): MN35-2
- End Bracket: MSK35
- Allen wrenches (6mm):
  - S & K Tools            45956
  - Snap-On Tools        FAML6E
  - MAC Tools            XDLS6MM
  - McMaster Carr       8367A24
  - Armstrong            38-711

