

# New EPB Series Enclosed Power Block

## Specifications:

### Electrical

- 600 Volts (UL 1059 Group B and C)
- Up to 580 Amps
- 690 Volts (IEC)

### \*Multiple Wire Ratings:

- Copper Wire Only
- **#2 opening:**
  - (2) #6 AWG
  - (2) #8 AWG
  - (2 to 4) #10 AWG
  - (2 to 4) #12 AWG
  - (2 to 4) #14 AWG
- **#2/0 opening:**
  - (2) #4 AWG
  - (2) #6 AWG
  - (2) #8 AWG
  - (2) #10 AWG
  - (2) #12 AWG
  - (2) #14 AWG

### Mechanical

- Base, Gray Thermoplastic, 125° C (UL RTI)
- Flammability, UL 94 V-0
- Mounting: DIN mount option (panel mount also)
- UL Recognized File No. XCFR2.E62806
- CSA Certified File No. LR19766
- CE (Component IEC 60947-7-1)



### Connector Wire Hole Size

Conductor Opening	Diameter of Opening
#2 – #14 AWG	.38"
#2/0 – #14 AWG	.50"
250 kcmil – #6 AWG	.72"
400 kcmil – #6 AWG	.94"

### Accessories (consult factory)

- White Markers to Identify Circuits
- Black Thermoplastic Safety Plugs
- Feed Spacing UL50BA Adapter Plate

Power Blocks

Catalog #	SCCR, RMS SYM Amps 600 Volt Max	Amperage CU Wire 75°C	Line Connector Configuration	Line Wire Range	Openings Per Pole	Load Connector Configuration	Load Wire Range	Openings Per Pole
EPBXD411	100,000	175		2/0 - #14 AWG 70 - 2.5 mm <sup>2</sup>	1		2/0 - #14 AWG 70 - 2.5 mm <sup>2</sup>	1
EPBXD441	100,000	175		2/0 - #14 AWG 70 - 2.5 mm <sup>2</sup>	1		#2 - #14 AWG 35 - 2.5 mm <sup>2</sup>	4
EPBXD711	10,000	510		250 kcmil - #6 AWG 120 - 16 mm <sup>2</sup>	2		250 kcmil - #6 AWG 120 - 16 mm <sup>2</sup>	2
EPBXP711	50,000-100,000							
EPBXD741	10,000	335		400 kcmil - #6 AWG 185 - 16 mm <sup>2</sup>	1		#2 - #14 AWG 35 - 2.5 mm <sup>2</sup>	8
EPBXP741	100,000							

- Note:**
- 1) The ampacities are based on Table 310-16 of the NEC .
  - 2) The connectors were tested and approved at 90°C per UL 486 A/B.
  - 3) See [www.marathonsp.com](http://www.marathonsp.com) for detailed SCCR information.

See page 57 for dimensional information

## Catalog Description:

**EPB**

**A**

**D**

**41**

**1**

### Connector Material

- A – Aluminum rated copper or aluminum wire
- C – Copper rated copper wire only

- D – Mount on 35 mm DIN rail or flat panel
- P – Flat panel (for 71 and 74)

- 41 – (1) #2/0 to (1) #2/0
- 44 – (1) #2/0 to (4) #2
- 71 – (2) #250 to (2) #250
- 74 – (1) #400 & (1) #2/0 to (8) #2

# Poles