



## Product Data Sheet

# EPBCD71

Power Terminal Block

## 510 Amps 600 Volts AC/DC

### Wire Range

- Line: (2) 250 kcmil - #6 AWG (120 mm<sup>2</sup> - 16 mm<sup>2</sup>)
- Load: (2) 250 kcmil - #6 AWG (120 mm<sup>2</sup> - 16 mm<sup>2</sup>)

### Electrical Ratings

- 510 Amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- 1000 V AC/DC per IEC 60947-7-1 (CE)
- SCCR of 10,000 A (default for terminal blocks).
- CU9 - 90°C connector terminal rating with copper wire
- Touch protection: IP-20 (IEC 60529)
- Factory & Field Wiring

### Agency Compliance

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- CSA - certified to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

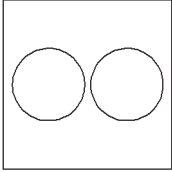
### Material Information

- Insulator base:
  - Thermoplastic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: copper, tin plated
- Terminal set screws: aluminum, tin plated
- Connector mounting screw and roll pins: steel, zinc plated
- RoHS compliant

A Regal Brand

The Regal logo, consisting of the word 'REGAL' in a bold, white, sans-serif font, set against a dark grey, trapezoidal background.

## Termination Specifications

Line & Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	250 kcmil - 1	31.1 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)
	2	13.6 N·m (120 lbf·in)	1	B, C, G, H, I (DLO)
	4 - 6	13.6 N·m (120 lbf·in)	1	B, C

- Wire strip length: 1 3/8 in. (35mm)
- IP-20 protection: 250 - 4/0 kcmil
- Terminal screw drive: 8 mm hex

<sup>1</sup> For information on copper stranded wire classes please visit:  
<http://www.marathonsp.com/flexible-stranded-wire.php>

## Installation & Accessories

- Din-Rail mountable on 35 X 7.5, 2m long, slotted: MN35-2
- When mounting blocks on Din rail, it is recommended to individually mount power blocks. Multi-line configurations become increasingly difficult to mount as the line length increases.
- End Brackets: MSK35
- Safety plug: EPB Plug 250
- Marker cards:
  - White plastic inserts: EPB Marker Card
- Allen wrenches:
  - S & K tools                   8mm
  - S & K tools                   45958
  - Snap-on tools               FAML8E
  - MAC tools                    XDLS8MM
  - McMaster Carr 8367A26

Drawing

