



## Product Data Sheet

# EPBAD74

Power Distribution Block

## 335 Amps 600 Volts AC/DC

### Wire Range

- Line: (1) 400kcmil - #6 AWG (185 - 16 mm<sup>2</sup>) and (1) 3/0 - #14 (70 - 2.5 mm<sup>2</sup>)
- Load: (8) #2 - 14 AWG (35 - 2.5 mm<sup>2</sup>)

### Electrical Ratings

- 335 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).
- CU7AL - 75°C connector terminal rating with copper or aluminum 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

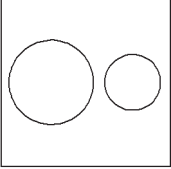
### Material Information

- Insulator base:
  - Thermoplastic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 125°C (UL RTI)
- Connector: aluminum, tin plated
- Line terminal set screws: aluminum, tin plated
- Load terminal set screws: steel, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant

A Regal Brand

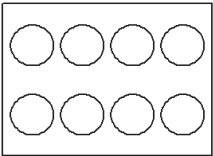
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## Termination Specifications

Line Side	Terminal	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	400 - 6	400 - 2/0	42.4 N·m (375 lbf·in)	1	B, C, G, H, I (DLO)
		1/0 - 2	31.1 N·m (275 lbf·in)	1	B, C, G, H, I (DLO)
		4 - 6	31.1 N·m (275 lbf·in)	1	B, C
	3/0 - 14	3/0	13.6 N·m (120 lbf·in)	1	B, C
		2/0 - 2	13.6 N·m	1	B, C, G, H, I (DLO)
		4	9.0 N·m (80 lbf·in)	1	B, C
				1 - 2	G, H, I (DLO)
		6	9.0 N·m (80 lbf·in)	1 - 2	B, C, G, H, I (DLO)
		8	4.5 N·m (40 lbf·in)	1 - 2	B, C, G, H, I (DLO)
	10 - 14	4.5 N·m (40 lbf·in)	1 - 2	B, C, I (DLO)	

- Solid Copper Wire Range (1) 10-14 AWG.
- Wire strip length: 1 7/16 in (36mm) & 1 in. (25mm)
- IP-20 protection: 400 kcmil - 300 kcmil & 3/0 - 4 AWG
- Terminal screw drive: 8 mm & 6 mm hex

## Termination Specifications

Load Side	Wire Size (CU Stranded)	Torque	Wires / Terminal	Wire Class (UL) <sup>1</sup>
	2 - 4	9.0 N·m (80 lbf·in)	1	B, C, G, H, I (DLO)
	6	9.0 N·m (80 lbf·in)	1 - 2	B, C
			1	B, C, G, H, I (DLO)
	8	4.5 N·m (40 lbf·in)	1 - 2	B, C, G, H, I (DLO)
	10 - 14	4.5 N·m (40 lbf·in)	1 - 4	B, C, I (DLO)
			1 - 2	I (DLO)

- Solid Copper Wire Range (1) 10-14 AWG
- Wire strip length: Top Row: 5/8 in (16 mm)
- Bottom Row 3/4 in (19mm)
- IP-20 protection: 2 - 12 AWG
- Terminal screw drive: 5 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 plugs: EPB Plug 400 Line side, EPB Plug 3/0 Line side, EPB Plug 2 Load side
- Marker cards:
  - White plastic inserts: EPB Marker Card
- Allen wrenches (6mm):
 

	5 mm	6 mm	8mm
• S & K tools	45955	45956	45958
• Snap-on tools	FAML5E	FAML6E	FAML8E
• MAC tools	XDLS5MM	XDLS6MM	XDLS8MM
• McMaster Carr	8367A23	8367A24	8367A26
• Armstrong	38-709	38-711	38-713

## Drawing

