Power Blocks

Product Overview

Bulletin 1492-PD

Bulletin 1492-PDE

Bulletin 1492-PDL

Bulletin 1492 — Power Blocks

Rockwell Automation offers a broad line of Allen-Bradley Power Distribution Blocks, which are designed to meet most application needs. The Power Blocks feature terminal identification options (either write-on marking surface or marker retention feature). In addition, mounting dimensions are provided with each unit and wire ranges and tightening torques are labeled on the product to simplify installation.

Five styles of power blocks are available:

- Mini blocks
- Open-style power distribution terminal blocks with aluminum or copper connectors
- Open-style feed-through/splicer terminal blocks with aluminum or copper connectors
- Enclosed power distribution terminal blocks with aluminum or copper connectors
- Power distribution terminal blocks with aluminum connectors with feeder spacing, high SCCR, and front barrier.

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Standards Compliance

UL 1059
CSA C22.2 No. 158
EN/IEC 60947-1, -7-1

Certifications

CE Marked
CSA Certified (File No. 72582, Class 6228-01)
UL Component Recognized (File No. E40735, Guide No. XCFR2)

Flammability Rating

94V-O

			
Bulletin	**1492-PD**	**1492-PDL**	**1492-PDE**
Features	Available as: • Mini-block • Power Distribution Block • Feed-through/Splice block • Protective Covers Available	• Service Entrance Spacing • Panel-mounting • Attached hinge-cover	• Can be mechanically connected for multiple pole requirements • Panel-mounting • Finger-safe from front
Current Range	115...760 A	175…335 A	175…510 A
Number of Poles	1- or 3-pole	3-pole	1-pole
Distribution Block Wiring	1, 4, 6, 8, and 12 wires per pole	1, 4, 6, 9, and 12 wires per pole	1, 2, 4, and 8 wires per pole
Max. Voltage Ratings	600V AC/DC	600V AC/DC	600V AC/DC
Insulation Material Max. Temp.	150 °C (302 °F)	150 °C (302 °F)	125 °C (257 °F)
Power Block Material	Aluminum or Copper	Aluminum	Aluminum or Copper
Wire Size	(2) 500 MCM…#14 per phase Cu	2/0... #14 AWG per phase Cu	400 kcmil... #14 AWG per phase Cu
Certifications	UR, CSA, CE	UR, CSA, CE	UR, CSA, CE
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Mini Blocks

- Rated at 600V AC/DC, 115 A; these blocks offer high current-carrying capacity in a very small package to save on panel space
- Two configurations available: 3-pole feed-through with 1 line opening and 1 load opening per pole; 3-pole power distribution with 1 line opening and 4 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Open-Style Power Distribution and Splicer Blocks (with Aluminum or Copper Connectors)

- Rated at 600V AC/DC, 175…760 A
- 1- and 3-pole configurations
- 1 or 2 line openings per pole, 1, 2, 4, 6, 8, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

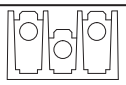
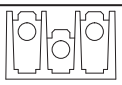
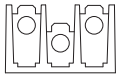
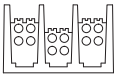
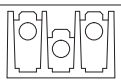
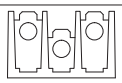
Enclosed Power Distribution Blocks (with Aluminum or Copper Connectors)

- IP20 from the front
- Rated at 600V AC/DC, 175…510 A
- Single-pole devices; gangable to create multi-pole solutions
- 1 or 2 line openings per pole, 1, 2, 4, or 8 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Power Distribution Blocks with Feeder Spacing, High SCCR and Front Barrier (with Aluminum Connectors)

- Three-pole devices
- 1 line opening per pole, 1, 4, 6, 9, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

Open Style Block with Aluminum Connectors

Cat. No.	No. of Poles	Amperage	Line			Load			Power Block Cover
			Connector Config.	Wire Range for Line	Wires Per Pole for Line	Connector Config.	Wire Range for Load	Wires Per Pole for Load	Cat. No.
Mini-Blocks									
1492-PDM3111	3	115		#2…14 AWG (35…2.5) mm²	1		#2…14 AWG (35…2.5) mm²	1	1492-PBC9
1492-PDM3141	3	115		#2…14 AWG (35…2.5) mm²	1		#10…18 AWG (6…0.75) mm²	4	1492-PBC9
Open-Style — Aluminum Connector									
1492-50Y	1	115		#2…14 AWG (35…2.5 mm²)	1		#2…14 AWG (35…2.5 mm²)	1	1492-PBC4
1492-50X	3	115		#2…14 AWG (35…2.5 mm²)	1		#2…14 AWG (35…2.5 mm²)	1	1492-PBC1
1492-100Y	1	175		2/0…#14 AWG (70…2.5 mm²)	1		2/0…#14 AWG (70…2.5 mm²)	1	1492-PBC4
1492-50 XF	3	175		2/0…#14 AWG (70…2.5 mm²)	1		1/4' Tap w/Binding Screw	1	1492-PBC1

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