



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
- UL 1953 Listed power distribution terminal blocks with aluminum connectors

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 Approximate Dimensions..... 12-89

Standards Compliance

UL 1059
 UL Subject 1953
 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)
 UL1953 Listed (File No. E31347, Guide No. QPQS)

Flammability Rating

94V-O

Product Selection

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)

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)

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)

UL 1953 Listed Power Distribution Blocks (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.	Line					Load			
	No. of Poles	Amperage	Connector Configuration	Wire Range for Line	Wires Per Pole for Line	Connector Configuration	Wire Range for Load	Wires Per Pole for Load	Power Block Cover
Mini-Blocks									
1492-PDM3111	3	115		#2...14 AWG (35...2.5) mm ²	1		#2...14 AWG (35...2.5) mm ²	1	1492-PBC9
1492-PDM3141	3	115		#2...14 AWG (35...2.5) mm ²	1		#10...16 AWG (6...0.75) mm ²	4	1492-PBC9
Open-Style — Aluminum Connector									
1492-50Y	1	115		#2...14 AWG (35...2.5) mm ²	1		#2...14 AWG (35...2.5) mm ²	1	1492-PBC4
1492-50X	3	115		#2...14 AWG (35...2.5) mm ²	1		#2...14 AWG (35...2.5) mm ²	1	1492-PBC1
1492-100Y	1	175		2/0...#14 AWG (70...2.5) mm ²	1		2/0...#14 AWG (70...2.5) mm ²	1	1492-PBC4
1492-50YF	1	175		2/0...#14 AWG (70...2.5) mm ²	1		1/4" Tap w/Binding Screw	1	1492-PBC4

Power Blocks

Product Selection, Continued









Open Style Blocks with Aluminum Connectors, Continued

Cat. No.	Line					Load			
	No. of Poles	Amperage	Connector Configuration	Wire Range for Line	Wires Per Pole for Line	Connector Configuration	Wire Range for Load	Wires Per Pole for Load	Power Block Cover
1492-100X	3	175		2/0...#14 AWG (70...2.5 mm ²)	1		2/0...#14 AWG (70...2.5 mm ²)	1	1492-PBC1
1492-50 XF	3	175		2/0...#14 AWG (70...2.5 mm ²)	1		1/4' Tap w/Binding Screw	1	1492-PBC1
1492-PD3141	3	175		2/0...#14 AWG (70...2.5 mm ²)	1		#4...14 AWG (25...2.5 mm ²)	4	1492-PBC1
1492-BE	1	255		250 MCM... #6 AWG (120...16 mm ²)	1		250 MCM... #6 AWG (120...16 mm ²)	1	1492-PBC5
1492-PD3113	3	310		350 MCM... #6 AWG (185...16 mm ²)	1		350 MCM... #6 AWG (185...16 mm ²)	1	1492-PBC2
1492-PD3163	3	335		400 MCM... #6 AWG (185...16 mm ²)	1		#2...14 AWG (36...2.5 mm ²)	6	1492-PBC2
1492-PD3183	3	335		400 MCM... #6 AWG (185...16 mm ²)	1		#2...14 AWG (35...2.5 mm ²)	8	1492-PBC8
1492-PD3263	3	350		2/0...#14 AWG (70...2.5 mm ²)	2		#4...14 AWG (25...2.5 mm ²)	6	1492-PBC2
1492-PD31123	3	380		500 MCM... #6 AWG (240...25 mm ²)	1		#2...14 AWG (35...2.5 mm ²)	12	1492-PBC3
1492-BF	1	420		600 MCM... #4 AWG (300...25 mm ²)	1		600 MCM... #4 AWG (300...25 mm ²)	1	1492-PBC6
1492-PD3226	3	620		350 MCM... #6 AWG (185...16 mm ²)	2		350 MCM... #6 AWG (185...16 mm ²)	2	1492-PBC3
1492-BG	1	760		500 MCM... #4 AWG (240...25 mm ²)	2		500 MCM... #4 AWG (240...25 mm ²)	2	1492-PBC7
1492-PD3287	3	760		500 MCM... #6 AWG (240...25 mm ²)	2		#2/0...14 AWG (70...2.5 mm ²)	8	1492-PBC3
1492-PD32127	3	760		500 MCM... #6 AWG (240...25 mm ²)	2		#4...14 AWG (25...2.5 mm ²)	12	1492-PBC3















Copper Connectors

Cat. No.	Line					Load			
	No. of Poles	Amperage	Connector Configuration	Wire Range for Line	Wires Per Pole for Line	Connector Configuration	Wire Range for Load	Wires Per Pole for Load	Power Block Cover
Open Style — Copper Connectors									
1492-PD3C111	3	150		1/0...#16 AWG (50...0.75 mm ²)	1		1/0...#16 AWG (50...0.75 mm ²)	1	1492-PBC1
1492-PD3C141	3	175		2/0...#14 AWG (70...2.5 mm ²)	1		#4...14 AWG (25...2.5 mm ²)	4	1492-PBC1
1492-PD3C1123	3	255		250 MCM...#6 AWG (120...16 mm ²)	1		250 MCM...#6 AWG (120...16 mm ²)	1	1492-PBC2
1492-PD3C263	3	350		2/0...#14 AWG (70...2.5 mm ²)	2		#4...14 AWG (25...2.5 mm ²)	6	1492-PBC2
1492-PD3C287	3	760		500 MCM...#4 AWG (240...25 mm ²)	2		#2...14 AWG (35...2.5 mm ²)	8	1492-PBC3
1492-PD3C163	3	380		500 MCM...#4 AWG (240...25 mm ²)	1		#2...14 AWG (35...2.5 mm ²)	6	1492-PBC2
1492-PD3C2127	3	760		500 MCM...#4 AWG (240...25 mm ²)	2		#2...14 AWG (35...2.5 mm ²)	12	1492-PBC3

Enclosed Power Distribution Blocks with Aluminum or Copper Connectors

Cat. No.	Amps (Cu Wire) 75° C	No. of Poles	Line					Load				
			Connector Configuration	Wire Range	Openings per Pole	Conductor Opening Hole Size	Corresponding Hole Plug	Connector Configuration	Wire Range	Openings per Pole	Conductor Opening Hole Size	Corresponding Hole Plug
1492-PDE1111	175	1		2/0...#14 AWG (70...2.5 mm²)	1	0.38 in. dia.	1492-PDEC1		2/0...#14 AWG (70...2.5 mm²)	1	0.38 in. dia.	1492-PDEC1
1492-PDE1C111												
1492-PDE1141	175	1		2/0...#14 AWG (70...2.5 mm²)	1	0.38 in. dia.	1492-PDEC1		#2...14 AWG (35...2.5 mm²)	4	0.50 in. dia.	1492-PDEC2
1492-PDE1C141												
1492-PDE1225	510	1		250 kcmil...#6 AWG (120...16 mm²)	2	0.72 in. dia.	1492-PDEC3		250 kcmil...#6 AWG (120...16 mm²)	2	0.72 in. dia.	1492-PDEC3
1492-PDE1C225												
1492-PDE1183	335	1		400 kcmil...#6 AWG (185...16 mm²)	1	0.94 in. dia.	1492-PDEC4		#2...14 AWG (35...2.5 mm²)	8	0.50 in. dia.	1492-PDEC2
1492-PDE1C183				2/0...#14 AWG (70...2.5 mm²)		0.72 in. dia.	1492-PDEC4 1492-PDEC3					

UL Listed Power Distribution Blocks with Aluminum or Copper Connectors

Cat. No.	Amps (Cu Wire) 75° C	No. of Poles	Line			Load			Replacement Accessories	
			Connector Configuration	Wire Range	Openings per Pole	Connector Configuration	Wire Range	Openings per Pole	Covers	Marking Strips
1492-PDL3111	175	3		2/0...#14 AWG (70...2.5 mm²)	1		2/0...#14 AWG (70...2.5 mm²)	1	1492-PDLC1	1492-PDLM1
1492-PDL3141	175	3		2/0...#14 AWG (70...2.5 mm²)	1		#4...14 AWG (35...2.5 mm²)	4		
1492-PDL31S1	175	3		2/0...#14 AWG (70...2.5 mm²)	1		1/4...20 stud	—		
1492-PDL3161	175	3		2/0...#14 AWG (70...2.5 mm²)	1		#4...14 AWG (35...2.5 mm²)	6		
1492-PDL3163	335	3		400 kcmil...#6 AWG (185...16 mm²)	1		#2...14 AWG (35...2.5 mm²)	6	1492-PDLC2	1492-PDLM2
1492-PDL3194	335	3		600 kcmil...#2 AWG (300...35 mm²)	1		#2...14 AWG (35...2.5 mm²) #2...14 AWG (35...2.5 mm²) 1/0...#14 AWG (55...2.5 mm²)	3 3 3		
1492-PDL31124	335	3		600 kcmil...#2 AWG (300...35 mm²)	1		#2...14 AWG (35...2.5 mm²)	12		

Bulletin 1492
Power Blocks
 Approximate Dimensions

Dimensions are in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

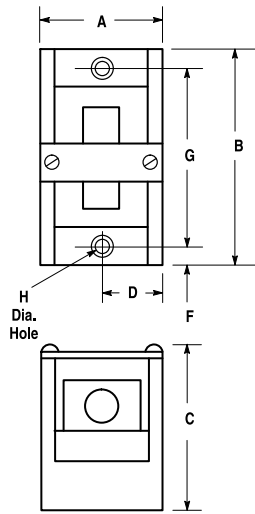


Figure 1

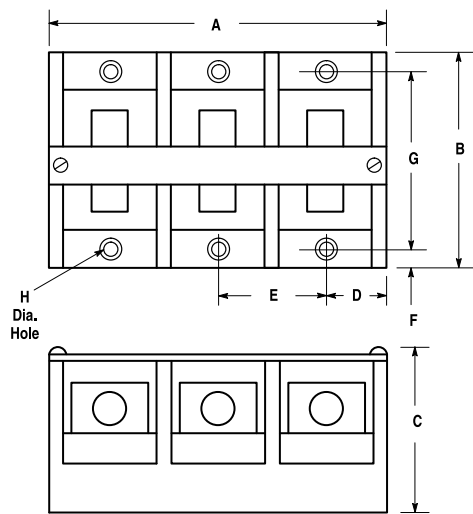


Figure 2

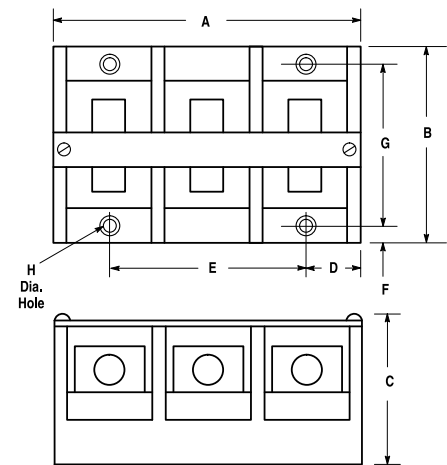
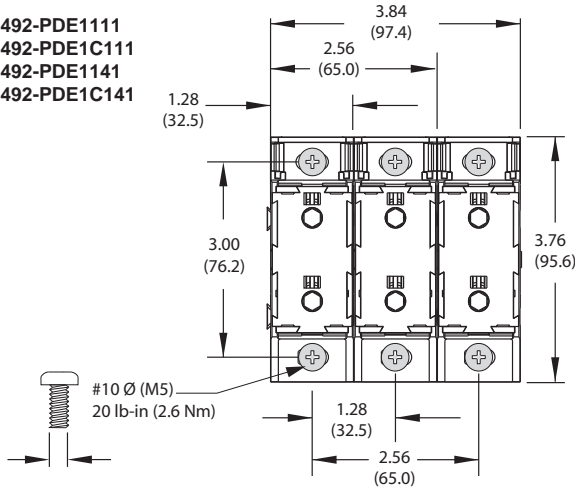


Figure 3

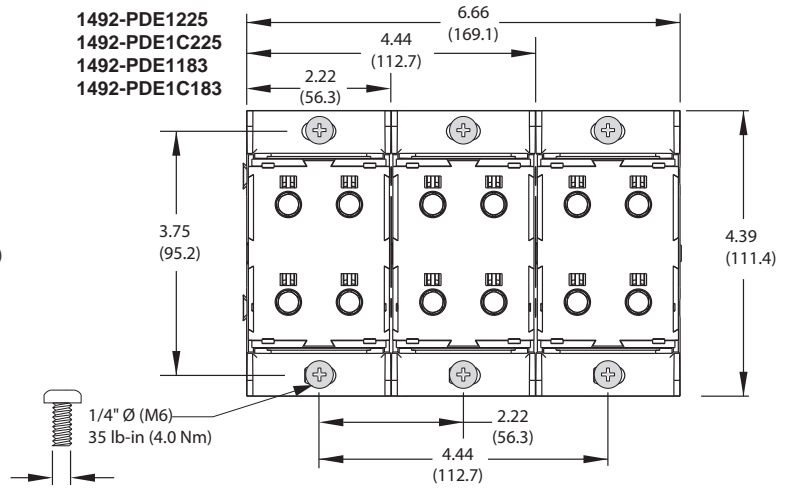
Cat. No.	Figure	A	B	C	D	E	F	G	H
1492-PDM3111	3*	2.03 (51.56)	2.29 (58.17)	1.62 (41.15)	0.38 (9.68)	1.27 (32.26)	0.19 (4.83)	1.93 (49.02)	0.201 (5.11)
1492-PDM3141	3*	2.03 (51.56)	2.29 (58.17)	1.62 (41.15)	0.38 (9.68)	1.27 (32.26)	0.19 (4.83)	1.93 (49.02)	0.201 (5.11)
1492-50Y	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-100Y	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50X	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-100X	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50XF	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50YF	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3C111	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3C141	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3141	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-BE	1	1.94 (49.28)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	—	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C112	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3113	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3263	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3163	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C163	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C263	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-BF	1	2.28 (57.91)	4.75 (120.65)	2.92 (74.2)	1.12 (28.45)	—	0.31 (7.87)	4.13 (104.9)	0.203 (5.16)
1492-PD3183	2	6.04 (153.42)	4.75 (120.65)	2.92 (74.2)	1.12 (28.45)	1.88 (47.75)	0.31 (7.87)	4.13 (104.9)	0.203 (5.16)
1492-BG	1	3.17 (80.25)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	—	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD31123	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3287	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD32127	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3226	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3C2127	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3C287	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)

* No marker strip.

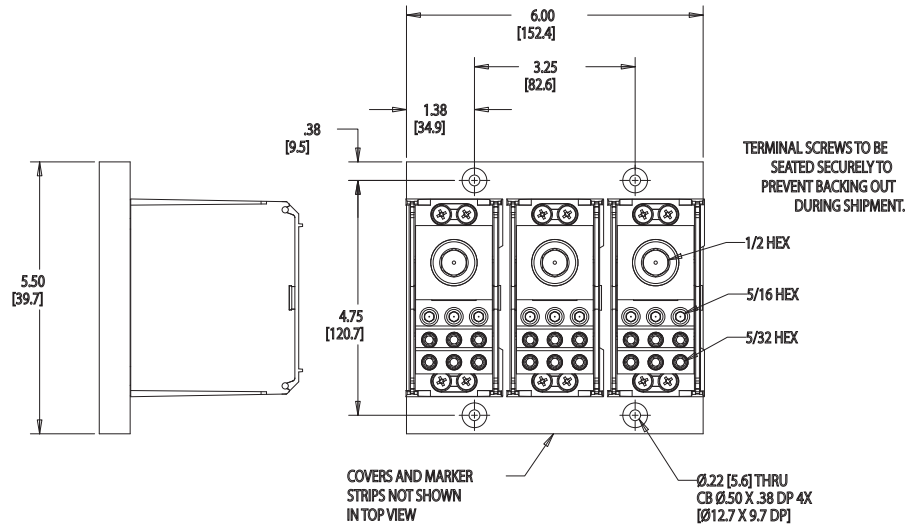
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 1492-PDE1C111
 1492-PDE1141
 1492-PDE1C141



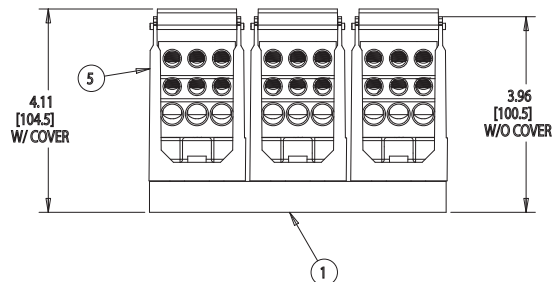
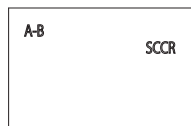
1492-PDE1225
 1492-PDE1C225
 1492-PDE1183
 1492-PDE1C183



Bulletin No. 1492-PDE



NAMEPLATE/SCCR LABEL
 LOCATED ON THIS SIDE
 OF POWER BLOCK



Bulletin No. 1492-PDL