Product Details and Certifications

Cross Reference RA Part Number: 1492-PDE1C225 A

Product: 1492-PDE1C225

Description: 1492 Enclosed Power Distribution Block, Copper Connector Material, 1-Pole, 2 Openings (Line Side), 2 Openings (Load Side), 510A Current Rating

Representative Photo Only (actual product may vary based on configuration sections)

POWER BLOCK DATA

Bulletin Number	1492 Enclosed Power Distribution Block
Number of Poles	1-Pole
Connector Material	Copper
Openings per Pole (Line Side)	2 Openings
Openings per Pole (Load Side)	2 Openings
Current Rating (per Pole)	510 Amps

CERTIFICATIONS AND APPROVALS

UL
CE
CSA
For UL Certifications Directory: http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

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
Product Selection	**Page 12-121**	**Page 12-124**	**Page 12-123**

Cat. No.	High Fault SCCR Ratings Conditions ✶ Suitable Conductors kcmil/AWG Copper Wire Line [AWG]	Load [AWG]	Overcurrent Protection § Fuse Required Class/Max. Amp Rating J	T	RK1	RK5	G	CC	SCCR ❄ RMS Sym A	Volts Max.
1492-PDE1111	2/0…#6	#2…14	300	300	200	100	60	30	100,000	600
1492-PDE1C111	2/0…#6	#2…14	300	300	200	100	60	30	100,000	600
1492-PDE1141	2/0…#6	2/0…#6	300	300	200	100	60	30	100,000	600
1492-PDE1C141	2/0…#6	2/0…#6	300	300	200	100	60	30	100,000	600
1492-PDE1183	400…3/0	#2…8	400	400	400	200	60	30	100,000	600
	2/0…#6	#2…14	200	200	200	100	60	30	100,000	600
1492-PDE1C183	400…3/0	#2…8	400	400	400	200	60	30	100,000	600
	2/0…#6	#2…14	200	200	200	100	60	30	100,000	600
1492-PDE1225	250…1/0	250…1/0	600	600	600	—	—	—	50,000	600
			400	400	400	200	60	30	100,000	600
	#2…6	#2…6	400	400	400	200	60	30	100,000	600
1492-PDE1C225	250…1/0	250…1/0	600	600	600	—	—	—	50,000	600
			400	400	400	200	60	30	100,000	600
	#2…6	#2…6	400	400	400	200	60	30	100,000	600

✶ **Short-circuit Current Rating (SCCR) Conditions** — Terminal blocks are considered suitable for use on a circuit capable of delivering not more than the stated SCCR at the maximum voltage specified when protected by the maximum ampere and Class of overcurrent protective device noted in the individual Recognitions.

❄ **Short-circuit Current Rating, (SCCR)** when noted additional conditions are provided. When larger overcurrent protection devices of type, or wire of different size is used, the Power Terminal block as a 10,000 amp withstand rating. **Note** the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

‡ **Size Range of Line and Load** conductors suitable to maintain noted SCCR.

§ **Maximum Size** of Line side overcurrent protection to provide noted SCCR.

Cat. No.	High Fault SCCR Ratings Conditions ✶ Suitable Conductors kcmil/AWG Copper Wire Line	Load	Overcurrent Protection § Fuse Required Class/Max. Amp Rating J	T	RK1	RK5	G	CC	SCCR ❄ RMS Sym A	Volts Max.
1492-PDL3111	2/0…#6 AWG	2/0…#6 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3141	2/0…#6 AWG	#4…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3161	2/0…#6 AWG	#4…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL31S1	2/0…#6 AWG	2/0…#6 AWG	300	200	200	200	60	30	100,000	600
	#8…10 AWG	#8…10 AWG	300	100	100	100	60	30	100,000	600
1492-PDL3163	400 kcmil…3/0 AWG	#2…8 AWG	400	400	400	200	60	30	100,000	600
	2/0…#6 AWG	#2…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3194	600 kcmil…3/0 AWG	1/0…#8 AWG	600	600	400	200	60	30	100,000	600
	2/0…#2 AWG	#2…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL31124	600 kcmil…3/0 AWG	4…8 AWG	600	600	400	—	—	—	100,000	600
	2/0…#2 AWG	#4…14	200	200	200	200	60	30	100,000	600

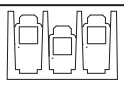
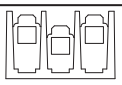
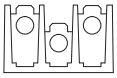
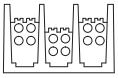
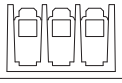
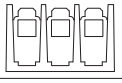
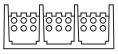
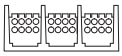
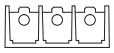
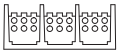
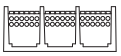
✶ **Short-circuit Current Rating (SCCR) Conditions** — Terminal blocks are considered suitable for use on a circuit capable of delivering not more than the stated SCCR at the maximum voltage specified when protected by the maximum ampere and Class of overcurrent protective device noted in the individual Recognitions.

❄ **Short-circuit Current Rating, (SCCR)** when noted additional conditions are provided. When larger overcurrent protection devices of type, or wire of different size is used, the Power Terminal block as a 10,000 amp withstand rating. **Note** the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

‡ **Size Range of Line and Load** conductors suitable to maintain noted SCCR.

§ **Maximum Size** of Line side overcurrent protection to provide noted SCCR.

Copper 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.
Open Style — Copper Connectors									
1492-PD3C111	3	150		1/0...#14 AWG (50…2.5 mm²)	1		1/0...#14 AWG (50…2.5 mm²)	1	1492-PBC1
1492-PD3C141	3	175		2/0…#14 AWG (70…2.5 mm²)	1		#4...14 AWG (25…2.5 mm²)	4	1492-PBC1
1492-PD3C112	3	255		250 kcmil…#6 AWG (120…16 mm²)	1		250 kcmil…#6 AWG (120…16 mm²)	1	1492-PBC2
1492-PD3C263	3	350		2/0…#14 AWG (70…2.5 mm²)	2		#4…14 AWG (25…2.5 mm²)	6	1492-PBC2
1492-PD3C287	3	760		500 kcmil…#4 AWG (240…25 mm²)	2		2/0…14 AWG (70…2.5 mm²)	8	1492-PBC3
1492-PD3C163	3	380		500 kcmil…#4 AWG (240…25 mm²)	1		#2…14 AWG (35…2.5 mm²)	6	1492-PBC2
1492-PD3C2127	3	760		500 kcmil…#4 AWG (240…25 mm²)	2		#2…14 AWG (35…2.5 mm²)	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 Config.	Wire Range	Openings per Pole	Conductor Opening Hole Size	Hole Plug Cat. No.	Connector Config.	Wire Range	Openings per Pole	Conductor Opening Hole Size	Hole Plug Cat. No.
1492-PDE1111 **1492-PDE1C111**	175	1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1
1492-PDE1141 **1492-PDE1C141**	175	1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1		#2…14 AWG (35…2.5 mm²)	4	0.38 in. dia.	1492-PDEC2
1492-PDE1225 **1492-PDE1C225**	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-PDE1183 **1492-PDE1C183**	335	1		400 kcmil…#6 AWG (185…16 mm²) 2/0…#14 AWG (70…2.5 mm²)	1	0.94 in. dia. 0.50 in. dia.	1492-PDEC4 1492-PDEC3 1492-PDEC4 1492-PDEC3		#2…14 AWG (35…2.5 mm²)	8	0.38 in. dia.	1492-PDEC2

* "C" in the catalog number refers to the copper terminals option.

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