

Bulletin 1492-PDME / PDE



Enclosed Power Distribution Terminal Blocks

Features and Benefits

Save time and cost by using without additional barriers or shields.

- UL Listed, UL Recognized, CSA certified, CE compliant, RoHS compliant
- Numerous connector configurations can handle a wide range of applications
- IP20 from the front
- DIN rail or Panel mounting options
- Multi-pole assembly possible with easy-to-gang units
- Markers are available for easy terminal identification
- High fault SCCR up to 100kA

Specifications

- 1-Pole device with aluminum or copper connectors
- 115 ... 510 Amp Current Range
- 600V AC/DC UL operating voltage (1,000V AC/DC IEC)

Rockwell Automation offers a broad line of Allen-Bradley Power Distribution Terminal Blocks that are designed to meet most current load distribution or splicing applications.



1492-PDME/PDE Enclosed Power Distribution Terminal Blocks are designed to prevent accidental contact with live connectors—without the use of additional barriers or shields. These panel mount devices have a compact footprint, and are available with either aluminum or copper terminals. Captive termination screws ensure that parts never get lost and the rugged thermoplastic housing will resist physical damage.

These single-pole devices are available with DIN or panel mount options and can easily be assembled together to create multi-pole solutions.

This updated series of Enclosed Power Distribution Terminal Blocks provides a number of listings and certifications. They are UL Listed (QPQS. E313475, UL 1953), UL Component Recognized (XCFR2.E40735, UL 1059 Group B & C), CSA Certified, CE Compliant, and RoHS Compliant.

LISTEN.
THINK.
SOLVE.

Product Selection | Enclosed Power Distribution Blocks with Aluminum Connectors & Copper Connectors

Cat. No.	Amps (Cu Wire) 75° C	Line				Load				Certifications
		Connector Configuration	Wire Range (kcmil / AWG)	Openings per Pole	Conductor Opening Hole Size (Diameter Inches)	Connector Configuration	Wire Range (kcmil / AWG)	Openings per Pole	Conductor Opening Hole Size (Diameter Inches)	
1492-PDME1111	115		#2...#14	1	0.323		#2...#14	1	0.323	UL Listed UL 1953
1492-PDME1141			#2...#14	1	0.312		#10...#14	4	0.156	
1492-PDE1112	200		2/0...#14	1	0.531		2/0...#14	1	0.531	UL Listed to UL 1953
1492-PDE1C112*			2/0...#14	1	0.531		2...#14	4	0.312	
1492-PDE1142			2/0...#14	1	0.531		2...#14	4	0.312	
1492-PDE1C142*			2/0...#14	1	0.531		2...#14	4	0.312	
1492-PDE1225	510		250 ... #6	2	0.72		250...#6	2	0.72	UL Recognized to UL 1059
1492-PDE1C255*			250 ... #6	2	0.72		250...#6	2	0.72	
1492-PDE1183	335		(1) 400...#6 (1) 2/0...#14	1	.94 .72		#2...#14	8	0.5	
1492-PDE1C183*			(1) 400...#6 (1) 2/0...#14	1	.94 .72		#2...#14	8	0.5	

* The C in the catalog number designates copper terminals. Catalog numbers without the C have aluminum connectors.

SCCR for Bulletin 1492 Enclosed Power Distribution Blocks

Catalog Number	Suitable Conductors ^λ kcmil/AWG Copper Wire			Overcurrent Protection ^φ Maximum Fuse Protection Required Fuse Class / Maximum Current (Amps) Fuse Rating						SCCR# RMS Sym. Amps (600V Max)
	Wire Type	Line	Load	J	T	RK1	RK5	G	CC	
1492-PDME1111	B - C	2 - 14	2 - 14	175	225	100	60	60	30	100,000
	G - K	4 - 14	4 - 14	125	200	100	30	60	30	65,000
1492-PDME1141	B - C	2 - 10	10 - 14	225	225	200	60	60	30	100,000
	G - K	4 - 10	10 - 14	300	300	200	100	60	30	
1492-PDE1112	B - C	3/0 - 8	3/0 - 8	225	225	200	60	60	30	
1492-PDE1C112*	G - I	2/0 - 8	2/0 - 8	100	110	100	30	60	30	
1492-PDE1142 1492-PDE1C142*	B - C	3/0 - 8	2 - 8	225	225	200	60	60	30	
		3/0 - 8	8 - 14	100	110	100	30	60	30	
	G - H	2/0 - 8	4 - 8	225	225	200	60	60	30	
		I	2/0 - 8	4 - 8	225	225	200	60	60	
1492-PDE1225 1492-PDE1C225*		250 - 1/0	250 - 1/0	600	600	600	-	-	-	50,000
		250 - 1/0	250 - 1/0	400	400	400	200	60	30	100,000
		2 - 6	2 - 6	400	400	400	200	60	30	
1492-PDE1183 1492-PDE1C183*		400 - 3/0	2 - 8	400	400	400	200	60	30	100,000
		2/0 - 6	2 - 14	200	200	100	100	60	30	

* The C in the catalog number designates copper terminals. Catalog numbers without the C have aluminum connectors

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 as noted in the chart above.

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 has a 10,000 amp withstand rating. NOTE the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

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

φ Maximum Size of the Line Side overcurrent protection to provide noted SCCR.

Accessories

Feeder Spacing Adapter Plate: Used with single pole Allen-Bradley UL Recognized power terminal blocks to increase terminal spacing for Feeder Circuit Applications. This includes spacing requirements from Phase-to-Phase as well as Phase-to-Ground.			
Cat. No.	Description	For use with Allen Bradley Catalog Numbers	Insulator Plate Size x (inch) x L x W x T
1492-PDEN1	1 - Pole Feeder Spacing Adapter Plate	1492-PDE1225 1492-PDE1C225	6.00 x 2.25 x 0.63
1492-PDEN3	3 - Pole Feeder Spacing Adapter Plate	1492-PDE1183 1492-PDE1C183	8.00 x 4.5 x 0.63
Terminal Identification Markers (Refer to Marking Systems under Terminal Block on www.ab.com/catalogs)			
Cat. No.	Package Quantity	Description	
1492-SMSX10 (100 markers/card)	5	Terminal identification Markers. Blank cards slip into molded slot	

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