# Bulletin 1492-PDME / PDE

Enclosed Power Distribution Terminal Blocks

Allen-Bradley

## Features and Benefits

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

- UL Listed, UL Recognized, CSA certified, CE complaint, 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* | | | | | | | | | | |
| 1492-PDE1142 | |  | 2/0...#14 | 1 | 0.531 |  | 2#...#14 | 4 | 0.312 | |
| 1492-PDE1C142* | | | | | | | | | | |
| 1492-PDE1225 | 510 |  | 250 … #6 | 2 | 0.72 |  | 250...#6 | 2 | 0.72 | UL Recognized to UL 1059 |
| 1492-PDE1C255* | | | | | | | | | | |
| 1492-PDE1183 | 335 |  | (1) 400...#6<br>(1) 2/0...#14 | 1 | .94 .72 |  | #2...#14 | 8 | 0.5 | |
| 1492-PDE1C183* | | | | | | | | | | |

* 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<br>1492-PDE1C112* | B - C | 3/0 - 8 | **3/0 - 8** | 225 | 225 | 200 | 60 | 60 | 30 | |
| | G - I | 2/0 - 8 | **2/0 - 8** | 100 | 110 | 100 | 30 | 60 | 30 | |
| 1492-PDE1142<br>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 | 30 | |
| | | 2/0 - 8 | 8 - 12 | 100 | 110 | 100 | 30 | 60 | 30 | |
| 1492-PDE1225<br>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<br>1492-PDE1C183* | | 400 - 3/0 | 2 - 8 | 400 | 400 | 400 | 200 | 60 | 30 | |
| | | 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<br>1492-PDE1C225<br>1492-PDE1183<br>1492-PDE1C183 | 6.00 x 2.25 x 0.63 |
| 1492-PDEN3 | 3 - Pole Feeder Spacing Adapter Plate | | 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-SM5X10 (100 markers/card | 5 | Terminal identification Markers. Blank cards slip into molded slot |

**www.rockwellautomation.com**


**Power, Control and Information Solutions Headquarters**

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846



Publication 1492-PP020B-EN-P – September 2011
Supersedes Publication 1492-PP020A-EN-E – DECEMBER 2007