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Product Data Sheet

Power Distribution Terminal Blocks
Catalog Number: 1492-PDM3141



Ratings:

115 Amps
600 Volts AC/DC
Panel Mount

Wire Range:

Line Side: (1) #2 - #14 AWG
Load Side: (4) #10 - #18 AWG

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard – File #XCFR2.E40735
- CSA Certified, CSA C22.2 No. 158 (Wire Class B & C only)
- CE Compliant to IEC 60947-7-1
- RoHS Compliant

Electrical Ratings:

- 115 Amp Copper Wire (Based on NEC Table 310-16, 75°C Column)
- 600 Volts AC/DC (UL 1059 Class C, User Group – General Industrial)
- Factory and Field Wiring

Mechanical Ratings:

Mounting Information:

- Panel Mount: #10 Fastener, Torque to 25-30 in-lbs
- Terminal Keys Needed: Slotted

Thermal Information*:

- Storage Temperature range:
 - -35°C to 110°C (-31°F to 230°F)

- Max. Insulator base temperature: 125°C (257°F) UL RTI
- Flammability rating of insulator base and base plate: UL 94 V-0

* Use outside these ratings needs to be judged in the end-use application.

Materials:

- Connector: High Conductivity Aluminum, Tin-Plated
- Insulator Base: Glass Filled Polycarbonate (Thermoplastic)
- Terminal Set Screws: Steel, Nickel-Plated
- Connector Mounting Screw: Steel, Zinc-Plated

Accessories:

- Clear Protective Plastic Cover. Catalog Number: 1492-PCB9
- Marking Strip: White vinyl strip to mark circuits (Supplied with block)



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Short Circuit Current Ratings (Copper Wire Only): Default Rating 10kA if not listed in table:

Wire Range (AWG)		Max Fuse Protection Requirements Amp Rating / Class						SCCR RMS Amps (600V Max)
Line	Load	J	T	RK1	RK5	G	CC	
2 - 6	10 - 14	200	200	200	100	60	30	200,000
8 - 10	10 - 14	100	100	100	30	60	30	100,000
* Minimum Enclosure Size: 16" x 12" x 6"								

Wire Range (AWG)		Circuit Breaker Overcurrent Protection Requirements			SCCR RMS Amps (480V Max)
Line	Load	MFG	Type	Max Amp	
2 - 10	10 - 14	Allen Bradley	140U-H3C3	125	25,000
		Allen Bradley	140U-H6C3	125	25,000

Wire Approvals:

Line Side Wire Approvals:

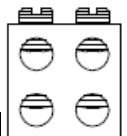
- Wire Strip Length, Line Side Tap – 1/2"



Wire Size (AWG)	Torque (In-lbs)	UL Copper Wire Stranding Classes - Number of Strands						
		Solid	Class B	Class C	Class G	Class H	Class I	Class K
2	50		7	19				
4	45		7	19	49*	133*	105*	420*
6	45		7	19	49*	133*	63*	266*
8	40		7	19	49*	133*	41*	168*
10	35	1	7	19			27*	104*
12	35	1	7	19			19*	65*
14	35	1	7	19			19*	41*

Load Side Wire Approvals:

- Wire Strip Length, Load Side Tap – Top Row 3/8", Bottom Row 5/8"



Wire Size (AWG)	Torque (In-lbs)	UL Copper Wire Stranding Classes - Number of Strands						
		Solid	Class B	Class C	Class G	Class H	Class I	Class K
10	7	1	7	19			27	104
12	7	1	7	19			19	65
14	7	1	7	19			(1-2) 19	(1-2) 41
16	7	1	7	19				(1-2) 26
18	7	1	7	19				(1-2) 16

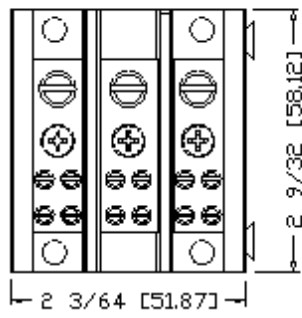
* Quantity of wire stands for classes G, H, I, K may vary by manufacturer

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Product Dimensions / Drawings:

	<p>1492-PDM3141 POWER BLOCK, PDM MINI-STYLE BLOCK, 3 POLE 1 LINE-4 LOAD, 115 AMPS</p>
