

LISTEN.
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Product Data Sheet

Power Distribution Terminal Blocks
Catalog Number: 1492-PDL31S1



Ratings:

175 Amps
600 Volts AC/DC
Panel Mount

Wire Range:

Line Side: (1) 2/0 - #14 AWG
Load Side: 1/4 - 20 Stud

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard – File #XCFR2.E40735
- UL 508A Feeder Circuit Terminal Spacing for up to 600VAC.
- CSA Certified, CSA C22.2 No. 158
- 600VAC Rating for Class 6228 01 – Use Groups A, B, C
- CE Compliant to IEC 60947-7-1
- RoHS Compliant

Electrical Ratings:

- 175 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:
 - Line Side: 5/16"

Thermal Information*:

- Storage Temperature range:
 - -35°C to 125°C (-31°F to 257°F)

- Max. Insulator base temperature: 125°C (257°F) UL RTI
- Max. Insulator base plate temperature: 130°C (266°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 Conductive Aluminum, Tin-Plated
- Insulator Base: Glass Filled Polycarbonate (Thermoplastic)
- Terminal Set Screws: Aluminum, Tin-Plated
- Connector Mounting Screw: Steel, Zinc-Plated
- Insulator Base Plate: Phenolic Laminate
- Nuts: Steel, Zinc-Plated
- Stud: Brass, Tin-Plated

Accessories:

- Protective Hinged Plastic Cover (Supplied with Product)
- Marking Strip: White vinyl strip to mark circuits (Supplied with Product)



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

Wire Range (kcmil/AWG)		Max Fuse Protection Requirements Amp Rating / Class						SCCR RMS Amps (600V Max)
Line	Load	J	T	RK1	RK5	G	CC	
2/0 – 6	2/0 – 6	200	200	200	100	60	30	100,000
8 – 10	8 – 10	100	100	100	30	60	30	100,000

Wire Approvals:

Line Side Wire Approvals:

- Wire Strip Length, Line Side Tap – 11/16"



Wire Size (kcmil/AWG)	Torque (In-lbs)	UL Copper Wire Stranding Classes - Number of Strands		
		Solid	Class B	Class C
2/0	120			
1/0	120		19	37
1	120		19	37
2	120		19	37
4	120		7	19
6	120		7	19
8	40		7	19
10	35	1	7	19
12	35	1	7	19
14	35	1	7	19

Load Side Wire Approvals:

- Threaded Stud: Torque to 61 in. lbs.





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Product Dimensions / Drawings:

