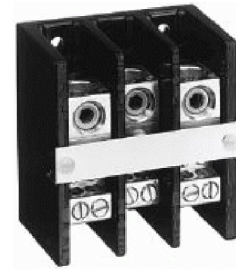


LISTEN.  
THINK.  
SOLVE.®

# Product Data Sheet

Power Distribution Terminal Blocks  
Catalog Number: 1492-PD3141



## Ratings:

175 Amps  
600 Volts AC/DC  
Panel Mount

## Wire Range:

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

- 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 – 3/16", Load – 1/8"

### Thermal Information\*:

- Storage Temperature range:
  - -35°C to 125°C (-31°F to 230°F)

- Max. Insulator base temperature: 150°C (302°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: Phenolic
- Terminal Set Screws: Steel, Nickel-Plated
- Connector Mounting Screw: Steel, Zinc-Plated

### Accessories:

- Clear Protective Plastic Cover. Catalog Number: 1492-PBC1
- Marking Strip: White vinyl strip to mark circuits (Supplied with block)



# Product Data Sheet

Power Distribution Terminal Blocks  
 Catalog Number: 1492-PD3141

**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	
2/0 - 6	4 - 14	200	200	200	100	60	30	100,000

Wire Range (AWG)		Circuit Breaker Overcurrent Protection Requirements			SCCR RMS Amps (480V Max)
Line	Load	Mfr	Cat #	Max Amp	
2/0 - 1	4 - 10	Allen Bradley	140U-J3D3 140U-J6D3	250	22,000
2 - 4	4 - 12		140U-J3D3 140U-J6D3	250	22,000
2 - 6	4 - 14		140U-H3C3	125	30,000
6	14		140U-H6C3	125	50,000

**Wire Approvals:**

**Line Side Wire Approvals:**

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



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
2/0	120		19	37				
1/0	120		19	37				
1	120		19	37	133*	259*	210*	836*
2	120		7	19	49*	133*	161*	665*
4	120		7	19	49*	133*	105*	420*
6	120		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*

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

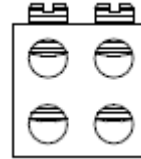


# Product Data Sheet

Power Distribution Terminal Blocks  
 Catalog Number: 1492-PD3141

**Load Side Wire Approvals:**

- Wire Strip Length, Load Side Tap: Top Row – 7/16”, Bottom Row – 11/16”



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
4	35		7	19				
6	35		7	19				266*
8	35		7	19			41*	168*
10	35	1	(1-2) 7	(1-2) 19				(1-2) 104*
12	35	1	(1-4) 7	(1-4) 19				(1-4) 65*
14	35	1	(1-4) 7	(1-4) 19				(1-4) 41*

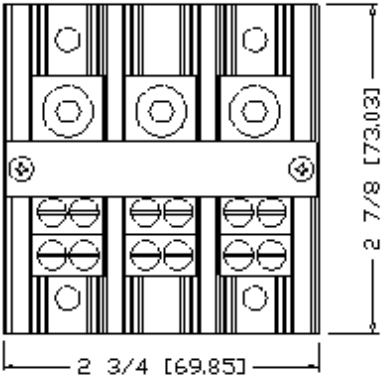
\* Quantity of wire stands for classes G, H, I, K may vary by manufacturer



# Product Data Sheet

Power Distribution Terminal Blocks  
Catalog Number: 1492-PD3141

## Product Dimensions / Drawings:

	<p>1492-PD3141 POWER BLOCK, POWER DISTRIBUTION BLOCK, 3 POLE 1 LINE-4 LOAD, 175 AMPS</p> 