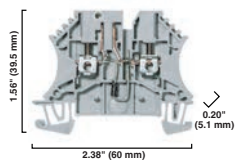
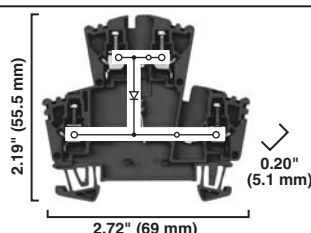
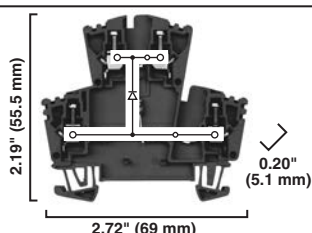





## Screw Connection Terminal Blocks

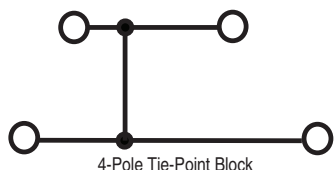
## Internal Component Blocks

	1492-J3DF			1492-JD3DF*			1492-JD3DR*		
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.									
Specifications	Single-level diode forward terminal block with test plug sockets			Two-Level terminal block with a diode in forward bias between the levels.			Two-Level terminal block with a diode in reverse bias between the levels.		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC
Diode Reverse Voltage Rating	—			1000V			1000V		
Maximum Current	20 A	10 A	6 A	20 A	10 A	—	20 A	10 A	—
Diode Current*	—			1 A			1 A		
Resistor Type	—			—			—		
Resistor Value	—			—			—		
Current through Busbar	10 A	1 A	14 A	10 A			10 A		
Wire Range (Rated Cross Section)	#26...12 AWG		0.5...2.5 mm <sup>2</sup>	#22...12 AWG	#26...12 AWG	2.5 mm <sup>2</sup>	#22...12 AWG	#26...12 AWG	2.5 mm <sup>2</sup>
Wire Strip Length	0.394 in. (10 mm)			0.39 in. (10 mm)			0.39 in. (10 mm)		
Recommended Tightening Torque	4.4...6.2 lb•in (0.5...0.7 N•m)			4.5...7.1 lb•in (0.5...0.8 N•m)			4.5...7.1 lb•in (0.5...0.8 N•m)		
Density	59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)		
Housing Temperature Range	-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)		
Short-Circuit Current Rating	See [T-8479231]								
Terminal Blocks	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.
Color: Black	1492-J3DF		50	1492-JD3DF		1	1492-JD3DR		1
Accessories	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.
Mounting Rails:									
1 m Symmetrical DIN (Steel)	199-DR1		10	199-DR1		10	199-DR1		10
1 m Symmetrical DIN (Aluminum)	1492-DR5		10	1492-DR5		10	1492-DR5		10
1 m Hi-Rise Sym. DIN (Aluminum)	1492-DR6		2	1492-DR6		2	1492-DR6		2
1 m Angled Hi-Rise Sym. DIN (Steel)	1492-DR7		2	1492-DR7		2	1492-DR7		2
End Barrier	1492-EBJ3		50	1492-EBJD3		20	1492-EBJD3		20
End Anchors:									
Screwless End Retainer	1492-ERL35		20	1492-ERL35		20	1492-ERL35		20
DIN Rail — Normal Duty	1492-EAJ35		100	1492-EAJ35		100	1492-EAJ35		100
DIN Rail — Heavy Duty	1492-EAHJ35		50	1492-EAHJ35		50	1492-EAHJ35		50
Jumpers:									
Screw Center Jumper — 10-pole	—		—	1492-CJJ5-10		20	1492-CJJ5-10		20
Screw Center Jumper — 4-pole	—		—	1492-CJJ5-4		50	1492-CJJ5-4		50
Screw Center Jumper — 3-pole	—		—	1492-CJJ5-3		50	1492-CJJ5-3		50
Screw Center Jumper — 2-pole	—		—	1492-CJJ5-2		50	1492-CJJ5-2		50
Insulated Side Jumper — 24-Pole	—		—	1492-SJ5A-24		50	1492-SJ5A-24		50
Insulated Side Jumper — 10-Pole	—		—	1492-SJ5A-10		50	1492-SJ5A-10		50
Screw Type Jumper Notching Tool	—		—	1492-T1		1	1492-T1		1
Other Accessories:									
Partition Plate	1492-SPJ3		50	1492-PPJD3		20	1492-PPJD3		20
Other Accessories:									
Test Plug	1492-TP23		20	—		—	—		—
Marking Systems:									
Snap-in marker card	1492-MR5X12 (120/card)		5	1492-M5X8 (144/card)		5	1492-M5X8 (144/card)		5
Snap-in marker card	1492-M5X12 (144/card)		5	1492-M5X5 (200/card)		5	1492-M5X5 (200/card)		5

\* See page 12-97 for component specifications.

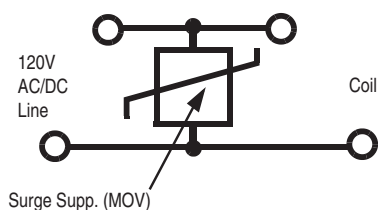
**Tie-Point Block**  
 (Cat. No. 1492-JD3C)

Incorporates a shunt bar between the upper and lower current bars to provide a common point among all four terminals.



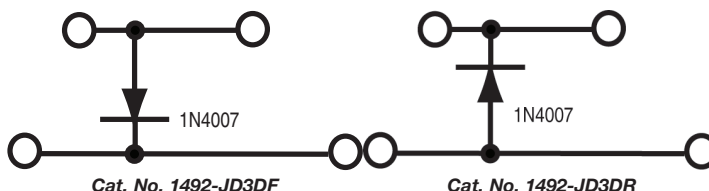
**Surge Suppression Block (Cat. No. 1492-JD3SS)**

Provides a convenient means of incorporating transient suppression for relays, contactors, and solenoids into a control system.



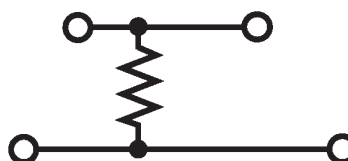
**Diode Block**  
 (Cat. Nos. 1492-JD3DF, 1492-JD3DR)

Uses a 1N4007 diode between the upper and lower levels for insertion into a control circuit. This block is useful in low voltage DC control circuits for directioning and suppression.



**Resistor Block**  
 (Cat. No. 1492-JD3RB, -JD3RC001)

Permits the introduction of a 10  $\Omega$ ...4.75 M $\Omega$  resistor into a control circuit.



- **Return Blocks** that have both terminations on the same side of the terminal block allowing the rail to be mounted next to the wall of an enclosure
- **Plug-In Style Blocks** that allow the insertion of removable plugs into control circuits. Available plugs include a Disconnect Plug, a Fuse Plug, and a Component Plug which will accommodate various electrical components.
- **Thermocouple Terminal Blocks** (Types B, E, J, K, N, S, T) for temperature control applications
- A wide variety of **Snap-In Markers** for individual or group circuit identification
- Multi-pole insulated **Center Jumpers** which provide a convenient method of commoning control circuits

**Materials and Design Features**

The Bulletin 1492-J line is designed for safety, installation ease, and ruggedness. Features using these design criteria include the following:

- Tin-plated terminals and steel screws for corrosion resistance (Bulletin 1492-W terminal blocks have nickel-plated terminals and stainless steel screws)
- High copper content copper alloy for excellent conductivity
- Four-sided wire funnel guides for easy wire insertion
- Finger-safe housings to prevent accidental contact with live circuits
- International approvals for worldwide use
- DIN Rail (Cat. No. 199-DR1) mountability, allowing terminal blocks to be placed on the same channel as contactors, starters, relays, and other DIN Rail-mounted control devices
- Self-extinguishing, polyamide 6.6 housing material with UL 94-V0 flammability rating (Bulletin 1492-W terminal blocks have UL 94-V2 flammability rating)
- Backed out screws for fast wiring