

Spring-Clamp Connection Terminal Blocks

Introduction

The Allen-Bradley Line of Spring-Clamp Terminal Blocks...

The Bulletin 1492-L line of internationally approved spring-clamp IEC-style terminal blocks offers a variety of products that can make any application:

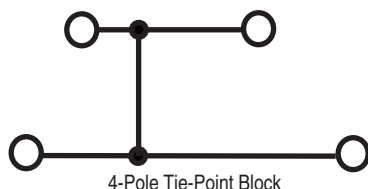
- **Fast** — Reduces wiring time by more than 50%
- **Practical** — Requires only a flat-head screwdriver for easy installation. Maintenance-free, no need to retighten
- **Reliable** — Secure contact is durable under extreme conditions such as high-vibration applications

Products Available in the 1492-L Spring-Clamp Line

- **Feed-Through Blocks**, accommodating wire sizes from #30...#2 AWG (0.2...35 mm²)
- **Grounding Blocks** for grounding a given circuit to the DIN Rail
- **Multi-Circuit Blocks** for doubling circuit wiring density
- **Isolation Blocks** for circuit isolation during testing and troubleshooting
- **Plug-In Style Terminal Blocks** accommodating component plugs, fuse plugs, and disconnect plugs
- **Sensor Blocks** for coordination of three-wire sensor groups with or without ground terminations
- **Electrical Component Blocks** which allow for the insertion of fixed components into control circuits. Components include diodes and surge suppression circuits

Tie-Point Block

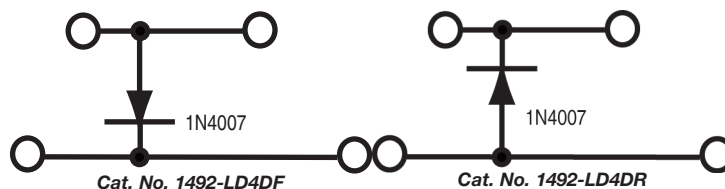
(Cat. Nos. 1492-LD2C, LD3C, LD4C)



Diode Block

(Cat. Nos. 1492-LD4DF, 1492-LD4DR)

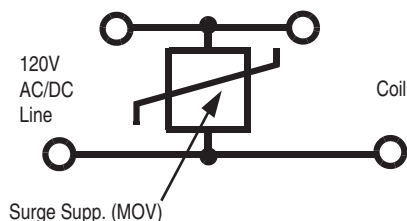
Uses a 1N4007 diode between the upper and lower levels for insertion into a control circuit. This block is useful in low voltage DC control circuits for directioning and suppression.



Surge Suppression Block

(Cat. No. 1492-LD4SS)

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



- **Test Blocks** for allowing a bank of pluggable terminal strips to be easily connected for test purposes
- A wide variety of snap-in markers are available for individual or group circuit identification
- A broad offering of accessories such as screwless end retainers, electrical warning plates, end barriers, protective stops and test plugs to provide exactly what the application requires
- Operating instructions (printed on an adhesive label), for fixing inside a panel
- **Mini-blocks** available in rail-mount or panel-mount configurations

Materials and Design Features

The 1492-L line is specially designed for safety, installation ease, and ruggedness. Features include:

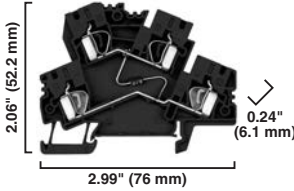
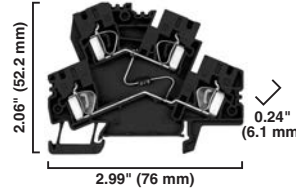
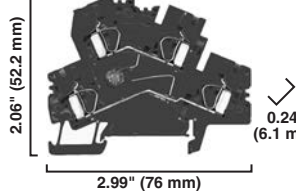
- Tin-plated terminals and stainless steel spring clamps for resistance to corrosion and vibration
- Spring clamp design to minimize stress relaxation and maintain contact force, even under vibration
- Top wire entry for ease of installation
- Circuit testing with standard 2 mm diameter test probe or stackable test plugs on most spring-clamp blocks
- Insulation stops to ensure electrical connection when using smaller gauge wires
- Markers that are visible after terminal blocks are wired
- Multiple marking options
- Common profiles to minimize stocking of accessories
- Self-extinguishing, polyimide 6.6 housing materials with a flammability rating UL 94-V0 (1492-R terminal blocks have a UL 94-V2 flammability rating)
- Screwless center jumpers to simplify jumpering terminals together

Note: To ensure proper wire termination, these blocks are designed to accept only **one** wire per terminal.

www.ab.com/catalogs Preferred availability cat. nos. are **bold**.

Spring-Clamp Connection Terminal Blocks

Internal Component Blocks

	1492-LD4DF			1492-LD4DR			1492-LD4SS*		
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	Two-level terminal block with an IN4007 diode in forward bias between the 2 levels.			Two-level terminal block with an IN4007 diode in reverse bias between the 2 levels.			Two level terminal block with an MOV between the 2 levels.		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	600V AC/DC			600V AC/DC			600V AC/DC		
Maximum Current	25 A	30 A	32 A	25 A	30 A	32 A	120V	—	140V AC/DC
Component Current/Wattage Rating*	1 A			1 A			25 A	30 A	32 A
Wire Range (Rated Cross Section)	#26...10 AWG			#26...10 AWG			#26...10 AWG	26...10 AWG	4mm ²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)			0.39 in. (10 mm)		
Density	49 pcs/ft (163 pcs/m)			49 pcs/ft (163 pcs/m)			49 pcs/ft (163 pcs/m)		
Housing Temperature Range	-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)		
Terminal Blocks	Cat. No.	Pkg Qty.		Cat. No.	Pkg Qty.		Cat. No.	Pkg Qty.	
Color Black	1492-LD4DF	1		1492-LD4DR	1		1492-LD4SS	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 Symmetrical 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 Grey	1492-EBLD4	20		1492-EBLD4	20		1492-EBLD4	20	
End Anchors and Retainers									
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									
Plug-in Center Jumper — 10-pole	1492-CJK6-10	20		1492-CJK6-10	20		1492-CJK6-10	20	
Plug-in Center Jumper — 9-pole	1492-CJK6-9	20		1492-CJK6-9	20		1492-CJK6-9	20	
Plug-in Center Jumper — 8-pole	1492-CJK6-8	20		1492-CJK6-8	20		1492-CJK6-8	20	
Plug-in Center Jumper — 7-pole	1492-CJK6-7	20		1492-CJK6-7	20		1492-CJK6-7	20	
Plug-in Center Jumper — 6-pole	1492-CJK6-6	20		1492-CJK6-6	20		1492-CJK6-6	20	
Plug-in Center Jumper — 5-pole	1492-CJK6-5	20		1492-CJK6-5	20		1492-CJK6-5	20	
Plug-in Center Jumper — 4-pole	1492-CJK6-4	60		1492-CJK6-4	60		1492-CJK6-4	60	
Plug-in Center Jumper — 3-pole	1492-CJK6-3	60		1492-CJK6-3	60		1492-CJK6-3	60	
Plug-in Center Jumper — 2-pole	1492-CJK6-2	60		1492-CJK6-2	60		1492-CJK6-2	60	
Other Accessories									
Test Plug	1492-TP23	20		1492-TP23	20		1492-TP23	20	
Marking Systems									
Snap-In Marker Cards	1492-M6X10 (120/card)	5		1492-M6X10 (120/card)	5		1492-M6X10 (120/card)	5	
Snap-In Marker Cards	1492-M6X5 (200/card)	5		1492-M6X5 (200/card)	5		1492-M6X5 (200/card)	5	

* For component specifications, see page 12-97

End Barriers

End barriers are required to provide the necessary insulation for the last terminal block in a group.



Dimensions Width x Length x Height	For Use With	Color	Pkg Qty.	Cat. No.
0.08 x 1.14 x 2.03 in. (2 x 28.9 x 51.5 mm)	1492-L2, LG2	Grey	50	1492-EBL2
		Blue	50	1492-EBL2-B
		Yellow	50	1492-EBL2-Y
0.08 x 1.14 x 2.48 in. (2 x 28.9 x 63 mm)	1492-L2T, LG2T	Grey	50	1492-EBL2T
		Blue	50	1492-EBL2T-B
		Yellow	50	1492-EBL2T-Y
0.08 x 1.14 x 2.95 in. (2 x 28.9 x 75 mm)	1492-L2Q, LG2Q	Grey	50	1492-EBL2Q
		Blue	50	1492-EBL2Q-B
		Yellow	50	1492-EBL2Q-Y
0.08 x 1.15 x 2.34 in. (2 x 29.1 x 59.5 mm)	1492-L3, LG3, LK3, L3P	Grey	50	1492-EBL3
		Blue	50	1492-EBL3-B
		Yellow	50	1492-EBL3-Y
0.08 x 1.20 x 2.54 in. (2 x 30.6 x 64.5 mm)	1492-L3T, LG3T	Grey	50	1492-EBL3T
		Blue	50	1492-EBL3T-B
		Yellow	50	1492-EBL3T-Y
0.08 x 1.20 x 3.11 in. (2 x 30.6 x 79 mm)	1492-L3Q, L3QS, LG3Q	Grey	50	1492-EBL3Q
		Blue	50	1492-EBL3Q-B
		Yellow	50	1492-EBL3Q-Y
0.10 x 1.06 x 2.8 in. (2.5 x 27 x 71 mm)	1492-L31P, 1492-LG31P	Grey	50	1492-EBL31P
		Yellow	50	1492-EBL31P-Y
	1492-L3T1P, 1492-LG3T1P	Grey	50	1492-EBL3T1P
		Yellow	50	1492-EBL3T1P-Y
0.08 x 1.20 x 3.11 in. (2 x 30.6 x 79 mm)	1492-L3Q2P	Grey	50	1492-EBL3Q2P
0.10 x 1.76 x 3.17 in. (2.5 x 44.7 x 80.5)	1492-LD32P	Grey	50	1492-EBLD32P
0.08 x 1.37 x 2.44 in. (2 x 34.85 x 62 mm)	1492-L4, LG4	Grey	50	1492-EBL4
		Blue	50	1492-EBL4-B
		Yellow	50	1492-EBL4-Y
0.08 x 1.37 x 3.31 in. (2 x 34.85 x 84 mm)	1492-L4T, LG4T	Grey	50	1492-EBL4T
		Blue	50	1492-EBL4T-B
		Yellow	50	1492-EBL4T-Y
0.08 x 1.37 x 4.13 in. (2 x 34.85 x 105 mm)	1492-L4Q, LG4Q	Grey	50	1492-EBL4Q
		Blue	50	1492-EBL4Q-B
		Yellow	50	1492-EBL4Q-Y
0.08 x 1.45 x 2.56 in. (2 x 36.95 x 65 mm)	1492-L6, LG6	Grey	50	1492-EBL6
		Blue	50	1492-EBL6-B
		Yellow	50	1492-EBL6-Y
0.08 x 1.45 x 3.54 in. (2 x 36.95 x 90 mm)	1492-L6T, LG6T	Grey	50	1492-EBL6T
		Blue	50	1492-EBL6T-B
		Yellow	50	1492-EBL6T-Y
0.12 x 1.67 x 2.89 in. (3 x 42.5 x 73.5 mm)	1492-L10, LG10	Grey	20	1492-EBL10
		Blue	20	1492-EBL10-B
		Yellow	20	1492-EBL10-Y
0.12 x 1.71 x 3.25 in. (3 x 43.5 x 82.5 mm)	1492-L16, LG16	Grey	20	1492-EBL16
		Blue	20	1492-EBL16-B
		Yellow	20	1492-EBL16-Y
—	1492-LAFB6	Black	50	1492-EBLAFB6
0.08 x 1.65 x 2.95 in. (2 x 41.9 x 75 mm)	1492-LD2, LDG2, LD2C, LDG2C	Grey	50	1492-EBLD2
		Blue	20	1492-EBLD2-B
		Yellow	20	1492-EBLD2-Y
0.08 x 1.87 x 2.85 in. (2 x 47.5 x 72.5 mm)	1492-LD3, LD3C, LDG3, LDG3C	Grey	20	1492-EBLD3
		Blue	20	1492-EBLD3-B
		Yellow	20	1492-EBLD3-Y
0.08 x 2.05 x 2.99 in. (2 x 52 x 76 mm)	1492-LD4, LD4C, LDG4, LDG4C, LD4DF, LD4DR, LD4RB..., LD4SS	Grey	20	1492-EBLD4
		Blue	20	1492-EBLD4-B
		Yellow	20	1492-EBLD4-Y