	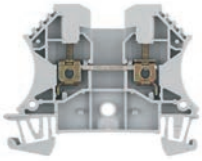	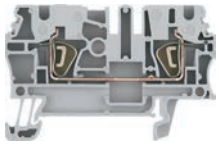
Bulletin	**1492-J, -W**	**1492-L**
Type	**Screw Type Terminal Blocks**	**Spring-Clamp Terminal Blocks**
Technology	Screw terminations are a time-proven method of wire connection. Their greatest advantage is the ability to land multiple wires to a single terminal, potentially saving panel space. Screw type blocks can often accept up to five solid or stranded wires per terminal. They also typically provide the best visual indication of the wire connection.	Compared to screw type terminations, spring clamp terminations can be a significantly faster method of connection and can often reduce wire connection time by 30…50%. Because the wire is under constant tension from the spring clamp, spring type terminations also produce very favorable results in high vibration applications.
Certifications	UR, CSA	UR, CSA
Standards Compliance	IEC, CE	IEC, CE
Product Types	• Mini blocks • Feed-through blocks • Multi-conductor blocks • Plug-in style blocks • Grounding blocks • Fuse blocks • Two level terminal blocks • Three-Level Sensor blocks • Electrical Component blocks • Isolation blocks	• Mini blocks • Fuse blocks • Feed-through blocks • Grounding blocks • Multi-circuit blocks • Plug-in style blocks • Isolation blocks • Sensor blocks • Electrical component blocks
Product Selection	**Page 12-6**	**Page 12-47**

Certifications

Allen-Bradley terminal blocks generally have been designed to meet the requirements of one or more regulatory bodies. Most products have also been tested per additional standards. The following is a listing of some of the regulatory bodies and standards which apply to Allen-Bradley terminal block products. See the particular product description for information on specific certifications and ratings.

(Underwriters Laboratories) — Devices in this catalog with one of these ratings have been tested by Underwriters Laboratories and meet the requirements of one or more of the following United States Standards:

- UL 467 — Grounding and Bonding Equipment
- UL 486E — Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors
- UL 1059 — Standard for Terminal Blocks

Reference UL files E34648, E40735, E160646

(Underwriters Laboratories) — Devices in this catalog with this rating have been tested by Underwriters Laboratories and meet the requirements of the following Canadian Standard:

- CSA 22.2 No. 158 — Terminal Blocks

Reference UL file E40735

(Canadian Standards Association) — Devices in this catalog with this rating have been tested by the Canadian Standards Association and meet the requirements of the following Canadian Standard:

- CSA 22.2 No. 158 — Terminal Blocks

Reference CSA files LR67896

Terminal blocks listed in this catalog meet the requirements of the Low Voltage Directive put forth by the European Union. Devices have been tested and comply with one or more of the following European Norms:

- EN 60947-1 — Low Voltage Switchgear and Controlgear: General Rules
- EN 60947-7-1 — Low Voltage Switchgear and Controlgear: Terminal Blocks for Copper Conductors
- EN 60947-7-2 — Low Voltage Switchgear and Controlgear: Protective Conductor Terminal Blocks for Copper Conductors
- EN 60947-7-3 — Low Voltage Switchgear and Controlgear: Safety Requirements for Fuse Terminal Blocks

ATEX — Devices listed in this catalog with “ATEX” ratings meet the following European Norms per DEMKO or KEMA, Approval Certification Bodies for the European Union:

- EN 60079-7 — Electrical Apparatus for Potentially Explosive Atmospheres — General Requirements
- EN 60079-0 — Electrical Apparatus for Potentially Explosive Atmospheres — Increased Safety “e”

Contact your local Rockwell Automation sales office or Allen-Bradley distributor for a copy of the certificate.

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Ex e II — Many 1492-J, 1492-K, 1492-L, and 1492-W terminal blocks in this catalog meet the following Canadian Standards per Underwriters Laboratories:

CAN/CSA E 60079-7 — Electrical Apparatus for Explosive Atmospheres — Part 0 — General Requirements

CAN/CSA E 60079-0 — Electrical Apparatus for Explosive Atmospheres — Part 7 — Increased Safety "e"

These products are suitable for Class I, Zone 1 Hazardous Locations. Reference UL file E187022. Contact your local Allen-Bradley distributor for more information.

AEx e II — Devices listed in this catalog with an "AEx e II" rating meet the following United States Standard per Underwriters Laboratories:

- ANSI/UL 60079-0 and 60079-7 — Standard for Electrical Equipment for Use in Class I, Zone 0, 1, and 2 Hazardous (Classified) Locations

These products are suitable for Class I, Zone 1 Hazardous Locations. Reference UL file E187022. Contact your local Rockwell Automation sales office or Allen-Bradley distributor for more information.

Lloyd's Register — Many 1492-H, 1492-J, 1492-L, and 1492-W terminal blocks in this catalog have been certified for use in marine, off-shore, and industrial installations per the following standard:

- Lloyd's Register Test Specification No. 1:1996

Contact your local Rockwell Automation sales office or Allen-Bradley distributor for a copy of the certificate.

The Allen-Bradley Line of IEC Terminal Blocks… International Products for a Worldwide Marketplace

The Allen-Bradley Bulletin 1492-J line of internationally approved IEC style terminal blocks offers a wide range of features and benefits ideally suited for many industrial applications. The 1492-J line has been designed to meet the tough requirements of almost every industrial application. Functional, internationally approved, finger-safe, and cost-effective — the Allen-Bradley Bulletin 1492-J line.

Products Available in the Bulletin 1492 Screw Terminal Block Line

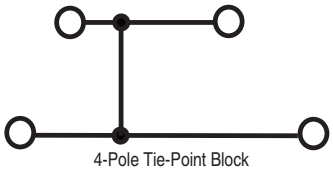
Our family of IEC terminal blocks consists of many different types of blocks, from general feed-through terminal blocks for control wiring to specialty blocks for grounding and isolating. We even offer thermocouple terminal blocks, specifically designed for temperature-dependent process control applications.

Products offered within the Bulletin 1492 Screw Terminal Block line include:

- **Feed-Through Blocks**, capable of accommodating #30…2/0 AWG (0.2…70 mm^2) wire
- **Grounding Blocks** for grounding a given circuit to the DIN Rail
- **Mini Blocks** for applications where panel space is at a premium
- **Two-Level Blocks** that double circuit wiring density
- **Multi-Conductor Blocks** that allow splitting or joining of control circuits
- **Three-Level Sensor Blocks** for coordination of three-wire sensor groups
- **Isolation Blocks** for circuit isolation during testing and troubleshooting
- **Fuse Blocks**, with and without blown fuse indication, for easily integrated overcurrent protection
- **Electrical Component Blocks** that allow the insertion of fixed components into control circuits. Available components include resistors, diodes, surge suppression circuits, and shunt bars.

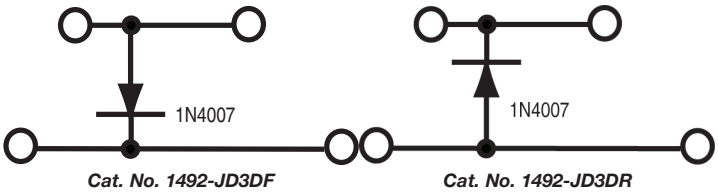
Tie-Point Block
(Cat. No. 1492-JD3C)

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



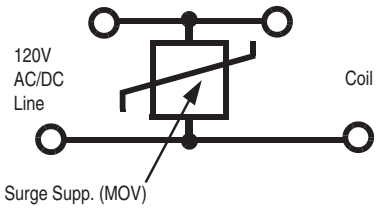
Diode Block
(Cat. Nos. 1492-JD3DF, 1492-JD3DR)

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.



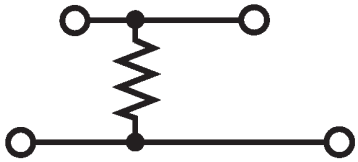
Surge Suppression Block (Cat. No. 1492-JD3SS)

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



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

Permits the introduction of a 10 Ω…4.75 MΩ resistor into a control circuit.

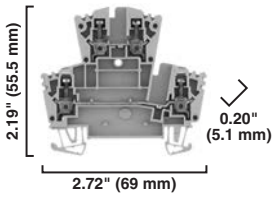
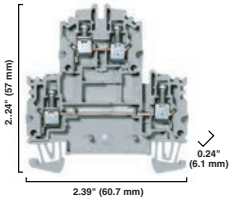
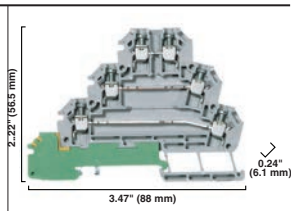


- **Return Blocks** that have both terminations on the same side of the terminal block allowing the rail to be mounted next to the wall of an enclosure
- **Plug-In Style Blocks** that allow the insertion of removable plugs into control circuits. Available plugs include a Disconnect Plug, a Fuse Plug, 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

	1492-JD3				1492-JD4				1492-JT3M		
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, two-circuit feed-through terminal block*				*Two-level, two-circuit feed-through terminal block*				*Three-level, three-circuit terminal block with ground point*		
Certifications		CSA	IEC	ATEX		CSA	IEC	ATEX		CSA	IEC
Voltage Rating	600V AC/DC	300V AC/DC	400V AC/DC	275V AC/DC	600V AC/DC	300V AC/DC	800V AC/DC	550V AC/DC	300V AC/DC		400V AC/DC
Maximum Current	20 A	10 A	24 A	21 A	35 A	30 A	32 A	28 A	10 A		24 A
Wire Range (Rated Cross Section)	#22…12 AWG	26…12 AWG	2.5 mm²	2.5 mm² (20…14 AWG)	#26…10 AWG		0.5…4 mm²	4 mm² (20…12 AWG)	#22…12 AWG	#26…10 AWG	0.5…2.5 mm²
Wire Strip Length	0.39 in. (10 mm)				0.315 in. (8 mm)				0.28 in. (7 mm)		
Recommended Tightening Torque	4.5…7.1 lb•in (0.5…0.8 N•m)				4.5 lb•in (0.5 N•m)				4.4 lb•in (0.5 N•m)		
Density	59 pcs/ft (196 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)		
Short-Circuit Current Rating	See page 12-42										

Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color:	Grey	**1492-JD3**	100	**1492-JD4**	100	**1492-JT3M**	50
	Red	**1492-JD3-RE**	100	**1492-JD4-RE**	100	—	—
	Blue	**1492-JD3-B**	100	**1492-JD4-B**	100	—	—
	Black	**1492-JD3-BL**	100	1492-JD4-BL	100	—	—
	Green	**1492-JD3-G**	100	1492-JD4-G	100	—	—
	Yellow	**1492-JD3-Y**	100	1492-JD4-Y	100	—	—
	Orange	**1492-JD3-OR**	100	**1492-JD4-OR**	100	—	—
	Brown	**1492-JD3-BR**	100	1492-JD4-BR	100	—	—
	White	**1492-JD3-W**	100	**1492-JD4-W**	100	—	—

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 Grey	**1492-EBJD3**	20	**1492-EBJD4**	20	**1492-EBJ3TM**	20
Blue	**1492-EBJD3-B**	20	**1492-EBJD4-B**	20	—	—
Yellow	**1492-EBJD3-Y**	20	—	—	—	—
End Anchor and Retainers: Screwless End Retainer	**1492-ERL35**	20	—	—	—	—
DIN Rail — Normal Duty	**1492-EAJ35**	100	—	—	—	—
DIN Rail — Heavy Duty	**1492-EAHJ35**	50	**1492-EAHJ35**	50	**1492-EAHJ35**	50
Jumpers: Center Jumper — 41-pole	—	—	‡ **1492-CJLJ6-41**	10	—	—
Center Jumper — 10-pole	❄ **1492-CJJ5-10**	20	‡ **1492-CJLJ6-10**	20	—	—
Center Jumper — 4-pole	❄ **1492-CJJ5-4**	50	‡ **1492-CJLJ6-4**	60	—	—
Center Jumper — 3-pole	❄ **1492-CJJ5-3**	50	‡ **1492-CJLJ6-3**	60	—	—
Center Jumper — 2-pole	❄ **1492-CJJ5-2**	50	‡ **1492-CJLJ6-2**	60	—	—
Insulated Side Jumper — 50-Pole	—	—	—	—	**1492-SJ6A-50**	5
Insulated Side Jumper — 24-Pole	**1492-SJ5A-24**	50	—	—	—	—
Insulated Side Jumper — 10-Pole	**1492-SJ5A-10**	50	—	—	—	—
Screw Type Jumper Notching Tool	**1492-T1**	1	—	—	—	—
Other Accessories: Partition Plate	**1492-PPJD3**	20	**1492-PPJD3**	20	**1492-PPJD3**	20
Test Plug Socket	**1492-TPS23**	20	—	—	—	—
Test Plug	**1492-TP23**	20	—	—	—	—
Snap-in marker cards	**1492-M5X5** (200/card)	5	**1492-M6X5** (200/card)	5	**1492-M6X5** (200/card)	5
Snap-in marker cards	**1492-M5X8** (144/card)	5	**1492-MR6X8** (120/card)	5	**1492-MR6X8** (120/card)	5

❄ Screw Center Jumpers, ‡ Plug-in Center Jumpers

Side Jumpers

For Use With	Pkg Qty.	Cat. No.
1492-WM4, W4	50	**1492-N42**
1492-H4, H5, H6, H7	10	**1492-N49**
	10	✶ **1492-SJS**
1492-W3, WR3	10	**1492-SJ5-10**
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	**1492-SJ5A-10**
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	**1492-SJ5A-24**
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	**1492-SJ5B-24**
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	**1492-SJ5B-10**
1492-WM4, W4, W4TW	10	❄ **1492-SJ6-10**
1492-JT3M	5	**1492-SJ6A-50**
1492-W10	10	**1492-SJ8-10**
1492-JD3FB, JDG3FB	50	**1492-SJ8A-4**
1492-JD3FB, JDG3FB	50	1492-SJ8A-3
1492-JD3FB, JDG3FB	50	1492-SJ8A-2
1492-LMP3, LMP3Q, LMJ3, LM3, LM3Q, LMP3E, LMP3QE	50	**1492-SJLM5-2**
1492-WMD1	10	‡ **1492-SJMD5-12**
1492-WFB4, WFB424, WFB4250	10	**1492-SJFB8-10**
1492-WM3	10	**1492-SJM5-10**
1492-WTF3, WTS3, WTF3LP, WTS3LP, WTF3LP, WTF3LN, WTS3LN	10	**1492-SJT5-20-R**
1492-WTF3, WTS3, WTF3LP, WTS3LP, WTF3LP, WTF3LN, WTS3LN	10	**1492-SJT5-20-B**

Note: Side jumpers carry the same current rating as the terminal block used with it

✶ Side jumper insulating sleeve only for use with Cat. No. 1492-N49

❄ Use jumper on single side of terminal block only

‡ Uninsulated

Two-Level Jumper

For Use With	Pkg Qty.	Cat. No.
1492-LTF3 (Connects Two Levels within a 1492-LTF3 Terminal Block)	20	**1492-CJL5D**