
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.



Screw Connection Terminal Blocks

Certifications/Introduction

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 mm²) 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.

Allen-Bradley spring-clamp 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 spring-clamp terminal block products. See the particular product description for information on specific certifications and ratings.



(Underwriters Laboratories) — Allen-Bradley spring-clamp terminal blocks 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 486E — Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors
- UL 1059 — Standard for Terminal Blocks

Reference UL file E40735



(Underwriters Laboratories) — Allen-Bradley spring-clamp terminal blocks with this rating have been tested by Underwriters Laboratories and meet the requirements of one or more of the following Canadian Standards:

- CSA 22.2 No. 158 — Terminal Blocks

Reference UL file E40735



(Canadian Standards Association) — Allen-Bradley spring-clamp terminal blocks 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 677896



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

Contact your local Allen-Bradley distributor for a copy of the certificate.

Ex e II — Bulletin 1492-L terminal blocks in this catalog meet the following Canadian Standards per Underwriters Laboratories:

- CAN/CSA E60079-7 — Electrical Apparatus for Explosive Atmospheres — Part 0 — General Requirements
- CAN/CSA E60079-0 — 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 — Allen-Bradley spring-clamp terminal blocks with an “AEx e II” rating meet the following United States Standard per Underwriters Laboratories:

- UL 2279 — 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 Allen-Bradley distributor for more information.

Lloyd's Register — Bulletin 1492-L 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 Allen-Bradley distributor for a copy of the certificate.



Spring-Clamp Connection Terminal Blocks

Sensor Blocks — 4-Wire

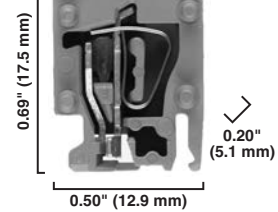
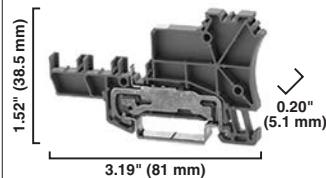
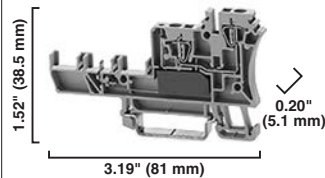
1492-LS2-4*
1492-LS2-4L*

1492-LSG2-4*

1492-LS2-BR
1492-LS2-B
1492-LSG2

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	4 conductor sensor block base for plug in distribution blocks			4 conductor sensor ground block base for plug in distribution blocks			Plug In Distribution blocks — internally jumpered		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating (without LED)	300V AC/DC		250V AC/DC	300V AC/DC		250V AC/DC	300V AC/DC		250V AC/DC
Voltage Rating (with LED)	5...30V AC/DC			—			5...30V AC/DC		
Maximum Current	10 A		17.5 A	10 A		17.5 A	10 A		17.5 A
Wire Range (Rated Cross Section)	#26...14 AWG		1.5 mm ²	#26...14 AWG		1.5 mm ²	#26...14 AWG		1.5 mm ²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.28 in. (7 mm)		
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)		
Terminal Blocks	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.
Color: Grey (Without LED)	1492-LS2-4		50	—		—	—		—
Grey (With LED)	1492-LS2-4L		50	—		—	—		—
Green/Yellow	—		—	1492-LSG2-4		20	1492-LSG2		100
Brown	—		—	—		—	1492-LS2-BR		100
Blue	—		—	—		—	1492-LS2-B		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	—		—
1 m Symmetrical DIN (Aluminum)	1492-DR5		10	1492-DR5		10	—		—
1 m Hi-Rise Sym. DIN (Aluminum)	1492-DR6		2	1492-DR6		2	—		—
1 m Angled Hi-Rise Sym. DIN (Steel)	1492-DR7		2	1492-DR7		2	—		—
End Barriers Grey	1492-EBLS2-4		50	1492-EBLS2-4		50	Not required		—
End Anchors and Retainers Screwless End Retainer	1492-ERL35		20	1492-ERL35		20	—		—
DIN Rail — Normal Duty	1492-EAJ35		100	1492-EAJ35		100	—		—
DIN Rail — Heavy Duty	1492-EAHJ35		50	1492-EAHJ35		50	—		—
Jumpers: Plug-in Center Jumper — 50-Pole	1492-CJK5-50		10	—		—	—		—
Plug-in Center Jumper — 10-Pole	1492-CJK5-10		20	—		—	—		—
Plug-in Center Jumper — 9-Pole	1492-CJK5-9		20	—		—	—		—
Plug-in Center Jumper — 8-Pole	1492-CJK5-8		20	—		—	—		—
Plug-in Center Jumper — 7-Pole	1492-CJK5-7		20	—		—	—		—
Plug-in Center Jumper — 6-Pole	1492-CJK5-6		20	—		—	—		—
Plug-in Center Jumper — 5-Pole	1492-CJK5-5		20	—		—	—		—
Plug-in Center Jumper — 4-Pole	1492-CJK5-4		60	—		—	—		—
Plug-in Center Jumper — 3-Pole	1492-CJK5-3		60	—		—	—		—
Plug-in Center Jumper — 2-Pole	1492-CJK5-2		60	—		—	—		—
Other Accessories: Reducing Sleeves 28...24 AWG (0.13...0.2 mm ²) White	1492-PSLS2-2		100	—		—	1492-PSLS2-2		100
Reducing Sleeves 22...20 AWG (0.25...0.5 mm ²) Grey	1492-PSLS2-5		100	—		—	1492-PSLS2-5		100
Marking Systems: Snap-In Marker Cards	1492-M5X5 (200/card)		5	1492-M5X5 (200/card)		5	—		—

* A combination of three distribution blocks must be used with each base block.

End Barriers, continued

Dimensions Width x Length x Height	For Use With	Color	Pkg Qty.	Cat. No.
0.20 x 0.94 x 1.31 in. (5.1 x 23.8 x 33.3 mm)	1492-LMP3, LMP3Q	Grey	50	1492-EBLMP3
		Blue	50	1492-EBLMP3-B
0.20 x 0.94 x 1.31 in. (5.1 x 23.8 x 33.3 mm)	1492-LM3, LM3Q, LMG3, LMP3E, LMP3QE	Grey	50	1492-EBLM3
		Blue	50	1492-EBLM3-B
		Yellow	50	1492-EBLM3-Y
0.06 x 0.97 x 1.38 in. (1.5 x 24.65 x 35 mm)	1492-LMJ3, LMJG3	Grey	50	1492-EBLMJ3
		Blue	50	1492-EBLMJ3-B
		Yellow	50	1492-EBLMJ3-Y
0.06 x 2.32 x 4.35 in. (1.5 x 59 x 110.5 mm)	1492-LTF3	Grey	20	1492-EBLTF3
0.06 x 2.69 x 1.77 in. (5 x 68.5 x 45 mm)	1492-LS2-3, LS2-3L, LSG2-3		50	1492-EBLS2-3
0.20 x 3.2 x 1.77 in. (5 x 81.5 x 45 mm)	1492-LS2-4, LS2-4L, LSG2-4		50	1492-EBLS2-4
0.06 x 1.81 x 3.74 in. (1.5 x 46 x 95 mm)	1492-LDAG3, LDG3P		20	1492-EBLDAG3
0.10 x 1.04 x 1.81 in. (2.5 x 26.4 x 46 mm)	1492-LC3		20	1492-EBLC3
0.10 x 1.65 x 2.72 in. (2.5 x 41.85 x 69 mm)	1492-LDC3		20	1492-EBLDC3
—	1492-LDG3ND, LD3N, LDG3N	Grey	20	1492-BSPJLD3N
—	1492-LDG3ND, LD3N, LDG3N	Blue	20	1492-BSPJLD3N-B

End Anchor/End Retainers

End anchors and end retainers mount at both ends of a group of terminal blocks to add rigidity to the terminal assembly and prevent sliding along the rails.

Photo	Dimensions Width x Length x Height	Tightening Torque	Markers	For Use With	Color	Pkg Qty.	Cat. No.
	0.31 x 2.20 x 1.85 in. (8 x 56 x 47 mm)	4.4 lb•in. (0.5 N•m)	1492-M7X12 1492-M8X5	199-DR1, 199-DR2, 1492-DR4, 1492-DR5, 1492-DR6, 1492-DR7, 1492-DR8, 1492-DR9	Grey	100	1492-EAJ35
	0.48 x 2.20 x 2.48 in. (12.2 x 56 x 63 mm)	4.4 lb•in. (0.5 N•m)	1492-M7X12 1492-M5X5	199-DR1, 199-DR2, 1492-DR4, 1492-DR5, 1492-DR6, 1492-DR7, 1492-DR8, 1492-DR9	Grey	50	1492-EAHJ35
	0.31 x 1.06 x 1.06 in. (8 x 27 x 27 mm)	3.5 lb•in. (0.9 N•m)	1492-M5X5	1492-DR3	Grey	50	1492-EAJ15
	0.24 x 2.19 x 1.63 in. (6 x 55.6 x 41.5 mm)	—	1492-M5X10 1492-M5X5	199-DR1, 199-DR2, 1492-DR4, 1492-DR5, 1492-DR6, 1492-DR7, 1492-DR8, 1492-DR9	Grey	20	1492-ERL35
	0.20 x 0.96 x 0.75 in. (5 x 24.5 x 19 mm)	—	1492-M5X10 1492-M5X5	1492-DR3	Grey	20	1492-ERL15