IEC Accessories and Technic	cal	Power Blocks	Page 12-118
SpecificationsDIN Mounting Rails	Page 12-79	Programmable Controller	Daga 10 107
End Barriers	Page 12-80	Wiring Systems • Bulletin 1756 ControlLogix	Page 12-127 Page 12-142
End Anchors/Retainers	Page 12-81	Bulletin 1769 CompactLogix	Page 12-148
Partition Plates	Page 12-82	Bulletin 1762 MicroLogix 1200	Page 12-15
• Jumpers	Page 12-83	Bulletin 1764 MicroLogix 1400	Page 12-15
Test Plugs	Page 12-87	Bulletin 1794 Flex	Page 12-154
General Accessories	Page 12-89	Bulletin 700H and 700S PowerFlex	1 130 12 10
Marking Systems	Page 12-90	Drive	Page 12-157
 Specifications 	Page 12-95	• Bulletin 1746 SLC 500	Web
		Bulletin 1771 PLC-5	Web
NEMA/EEMAC Terminal Bloc	ks	I/O Wiring Conversion Syste	ma
Open Construction Blocks	Page 12-102	 I/O Wiring Conversion Syste PLC-5 Bulletin 1771 to 1756 	1115
 Isolation Switch Blocks 	Web‡	ControlLogix	Page 12-160
Fuse Blocks	Web‡	Modicon 800 to 1756 ControlLogix	Page 12-17
Voltage Indicating Blocks	Web‡	0:	D 40.470
Panel Mount Blocks	Dogo 10 107	Signal Conditioners • Current/Voltage	Page 12-176 Page 12-182
Parier Mount Diocks	Page 12-107	• RTD	Page 12-19
			Page 12-190
NEMA Accessories and Tech Specifications	nical	Thermocouple Line-Monitoring	Page 12-198
Mounting Rails	Page 12-109	Bridge/Frequency/HART	Page 12-200
Stacking Bridge Kits	Page 12-110	Universal	Page 12-206
• End Anchors	Page 12-111		
Side Jumpers/Fanning Strips	Page 12-111	‡Information for this product line is available Controls Catalog website: www.ab.com/catal	
Fuse Puller/Test Sockets	Page 12-112		
Marking Systems	Page 12-113		
Specifications	Page 12-114		
Finger-Safe Terminal Blocks			
High Density	Web‡		
 Fuse Blocks and Surge Suppressor Blocks 	Web‡		
Resistor Blocks, Voltage Indicating Blocks, and Electrical Component			

Web‡

Blocks





Bulletin	1492-J, -W	1492-L				
Туре	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 3050%. 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 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.



Publication A117-CA001A-FN-P



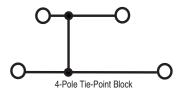
12-4



Introduction

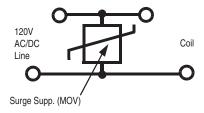
Tie-Point Block (Cat. No. 1492-JD3C)

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



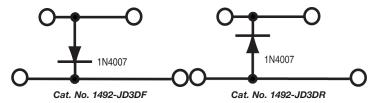
Surge Suppression Block (Cat. No. 1492-JD3SS)

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



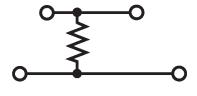
Diode Block (Cat. Nos. 1492-JD3DF, 1492-JD3DR)

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



		1492	-W3			1492	2-W4					
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.	1.38" (35 mm)			0.20" (5 mm)	1.38" (35 mm)			0.24" (6 mm)	1492-W6			0.28" (7 mm)
0 17 17		1.78" (45.		, ,	0.	1.78" (45.		, ,	0'	1.87" (47.6 mm) Single-circuit terminal ble		
Specifications			erminal bi				terminal bi			•		
Certifications	71 °	IEC	CSA 600V	ATEX 550V	71 °	IEC 800V	CSA 600V	ATEX	FL CSA		ATEX	
Voltage Rating	AC/DC A	800V AC/DC	AC/DC	AC/DC	600V AC/DC	AC/DC	AC/DC	550V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC
Maximum Current	_	24 A	20 A	24 A	30 A	32 A	30 A	32 A	40 A	41 A	40 A	41 A
Wire Range (Rated Cross Section)		.52.5 mm ²	#2214 AWG	2.5 mm ²	#2210 AWG	0.54.0 mm ²	#2210 AWG	4.0 mm ²	#2210 0.56.0 #2210 AWG mm ² AWG		6.0 mm ²	
Wire Strip Length	(0.39 in. ((10 mm)			0.35 in.	(9 mm)			0.47 in.	(12 mm)	
Recommended Tightening Torque			in (0.6 N∙				in (0.6 N•				in (0.7 N∙	
Density			200 pcs/m	,			166 pcs/m	<u> </u>			142 pcs/m	
Housing Temperature Range	-40	+195 °F	(-40+90	- /	-40.	+195 °F	(-40+90		-40.	+195 °F	(-40+90	
Township of Bloods	•	N-4 NI-		Pkg		O-4 N-		Pkg		0-4 N-		Pkg
Terminal Blocks	_	at. No.		Qty.		Cat. No.		Qty.		Cat. No.		Qty.
Color: Grey Red		492-W3 92-W3-R		50 50	4	1492-W4 492-W4-R	_	50 50	4	1492-W6 492-W6-R	-	50 50
Blue		92-W3-E		50		1492-W4-R 1492-W4-E		50		492-W6-R 1492-W6-E		50
Black		92-W3-B		50		492-W4-B		50		492-W6-B		50
Green		92-W3-G		50		492-W4-6		50				50
Yellow		92-W3-Y		50		1492-W4-Y		50		1492-W6-Y		50
Orange		2-W3-0		50		492-W4-O		50		492-W6-O		50
Brown		2-W3-BI		50		492-W4-B		50	1492-W6-BR		50	
White		92-W3-W		50		492-W4-V		50	1492-W6-W		50	
Accessories		at. No.		Pkg Qty.		Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	
Mounting Rails: 1 m Symmetrical DIN (Steel)	19	99-DR1		10		199-DR1		10	199-DR1		10	
1 m Symmetrical DIN (Aluminum)	14	192-DR5		10		1492-DR5		10	1492-DR5		10	
1 m Hi-Rise Sym. DIN (Aluminum)		192-DR6		2		1492-DR6		2	1492-DR5		2	
1 m Angled Hi-Rise Sym. DIN (Steel)		192-DR7		2		1492-DR7		2	1492-DR6 1492-DR7		2	
End Barrier		192-EB3		50		1492-EB3		50		1492-EB10		50
End Anchors and Retainers:	4.40	===				400 551 0	_			400 EDI 0		
Screwless End Retainer	149	92-ERL3		20	1	492-ERL3	5	20		492-ERL3		20
DIN Rail — Normal Duty		92-EAJ3		100		492-EAJ3		100		492-EAJ3		100
DIN Rail — Heavy Duty	1492	2-EAHJ3	35	50		192-EAHJ		50	14	192-EAHJ	35	50
Jumpers:	1492-SJ	15-10 (10	-pole)	10		2-N42 (2-p	,	50		_		_
Insulated Side Jumper					1492-SJ6-10 (10-pole)			10				
Center Jumper — 50-pole	1492-CJ5-50			5	1492-CJ6-50			5	4400 0 17 40			
Center Jumper — 40-pole	 1492-CJ5-10		- 10	_		<u> </u>	1492-CJ7-40			5		
Center Jumper — 10-pole Center Jumper — 5-pole		12-CJ5-1 92-CJ5-5		10		492-CJ6-1 492-CJ6-		10 10	1492-CJ7-10			10
Center Jumper — 4-pole		92-CJ5-4						10				10
Center Jumper — 4-pole Center Jumper — 3-pole		92-CJ5-2 92-CJ5-3		10		1492-CJ6-4 1492-CJ6-3		10	1492-CJ7-4 1492-CJ7-3			10
Center Jumper — 2-pole		92-CJ5-2		10		492-CJ6-		10				10
Center Jumper Link		92-CJL5		10		1492-CJL6		10				10
Center Jumper Cover — White*		2-CJCW		20		192-CJCW		20	1492-CJCW6			20
Other Accessories:		492-PP3		50		1492-PP3		50				50
Partition Plate Separation Plate	4.4	492-SP3		50		1492-SP3		50	50 —			
Test Plug	14					1492-SP3 1492-TP28		10	1492-TP28		10	
Stackable Test Plug (with Legs)		_				92-TP6EV		10				<u> </u>
Stackable Test Plug (without Legs)		_				1492-TP6E		10				
Test Plug Adapter	149	92-TA28	5	10		1492-TA40		10)	10
Electrical Warning Plate (1-pole)		92-EWP		10		492-EWP		10				10
Electrical Warning Plate (4-pole)		2-EWP5-		10		92-EWP6		10				10
Marking Systems: Snap-in Marker Cards	1492-MS	55X12 (80	D/card)	5	1492-N	1S6X12 (8	0/card)	5	1492-N	//S6X12 (8	0/card)	5
- 4								I .				

^{*} May only be used as a marking surface. Cannot be installed over a center jumper.



IEC Terminal Block Accessories

Partition and Separation Plates

Partition Plates and Separation Plates

Partition plates allow visual and electrical separation of terminal groups and provide the necessary electrical spacing between adjacent insulated jumpers or between exposed ends of cut jumpers.

Separation plates consist of flexible thermoplastic material and are used between terminal blocks to isolate adjacent center jumpers both visually and electrically.



Dimensions Width x Length x Height	For Use With	Color	Pkg Qty.	Cat. No.				
Partition Plates								
0.118 x 3.15 x 2.48 in. (3 x 80 x 63 mm)	1492-JD3, JD3C, JD3F, JD3DF, JD3DR, JD3RC, JD3SS	Grey	20	1492-PPJD3				
0.005 x 3.54 x 2.51 in. (0.13 x 90.1 x 63.8 mm)	1492-JD3P, JDG3P	Beige	20	1492-PPJD3P				
0.08 x 1.57 x 1.20 in. (2 x 40 x 30.5 mm)	1492-WM3, WM4, WMG3, WMG4	Grey	50	1492-PPM3				
0.014 x 2.28 x 1.51 in. (0.35 x 58 x 38.3 mm)	1492-WMD1	Grey	50	1492-PPMD1				
0.06 x 1.85 x 1.57 in. (1.5 x 47 x 40 mm)	1492-W3, W4, WG4	Grey	50	1492-PP3				
0.06 x 2.17 x 1.81 in. (1.5 x 55 x 46 mm)	1492-W6, W10, W16S, W4TW, WG6, WG10S, WG16S	Grey	50	1492-PP10				
0.014 x 2.88 x 1.85 in. (0.35 x 73.2 x 47.1 mm)	1492-WTF3, WTS3	Beige	50	1492-PPTS3				
		Grey	20	1492-EBJ16				
0.06 x 1.93 x 2.36 in. (1.5 x 49 x 60 mm)	1492-J3, J4, J6, J10, J2Q, J3TW, J3F, JG2Q, JG3, JG3TW, JKD3. JKD3TP. J3P. J3PTP. JTC3	Blue	20	1492-EBJ16-B				
	01(20, 01(2011, 001, 001 11, 0100	Yellow	20	1492-EBJ16-Y				
Separation Plates								
.014 x 1.76 x 1.57 in. (0.35 x 44.8 x 40.0 mm)	1492-W3, W4	Beige	50	1492-SP3				
	All 1492-FPK2 Fuse Plugs	Beige	50	1492-SPJ3				