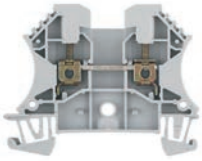
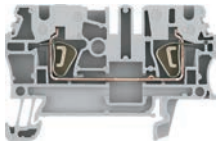
Screw Connection Terminal Blocks

Spring-Clamp Connection Terminal Blocks

‡Information for this product line is available on the Industrial Controls Catalog website: www.ab.com/catalogs.

		
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

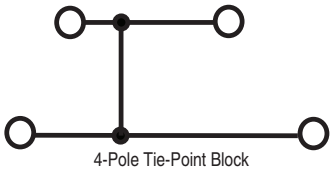
Our family of IEC terminal blocks consists of many different types of blocks, from general feed-through terminal blocks for control wiring to specialty blocks for grounding and isolating. We even offer thermocouple terminal blocks, specifically designed for temperature-dependent process control applications.

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.

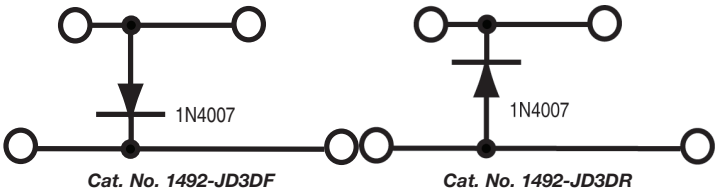
Tie-Point Block
(Cat. No. 1492-JD3C)

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



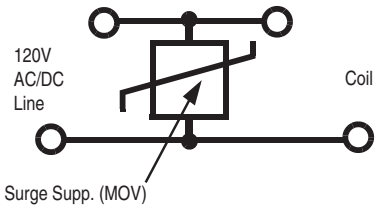
Diode Block
(Cat. Nos. 1492-JD3DF, 1492-JD3DR)

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.



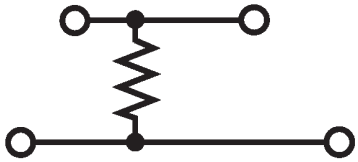
Surge Suppression Block (Cat. No. 1492-JD3SS)

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

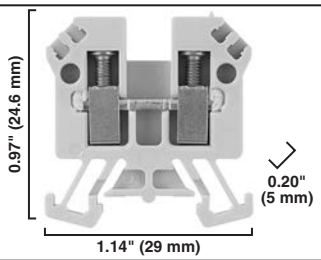
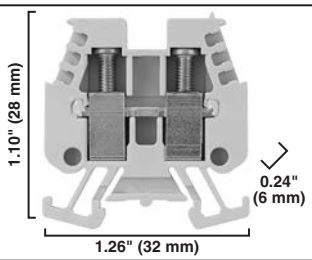
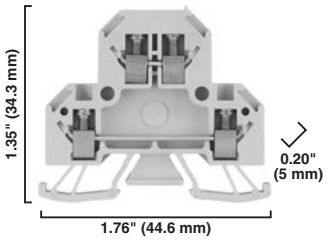
Materials and Design Features

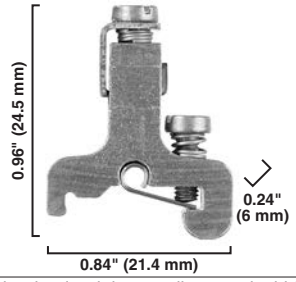
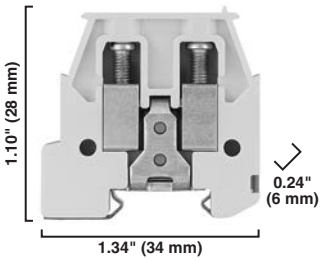
The Bulletin 1492-J line is designed for safety, installation ease, and ruggedness. Features using these design criteria include the following:

- 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

Screw Connection Terminal Blocks

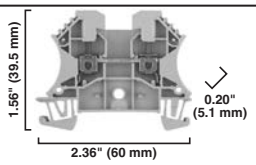
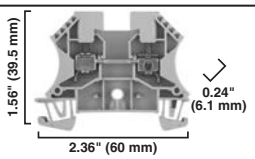
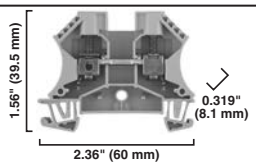
Mini Blocks

	1492-WM3				1492-WM4				1492-WMD1		
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-circuit mini terminal block.*				*Single-circuit mini terminal block.*				*Two-circuit mini terminal block.*		
Certifications		IEC	CSA	ATEX		IEC	CSA	ATEX		CSA	IEC
Voltage Rating	300V AC/DC	500V AC/DC	300V AC/DC	420V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	420V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	15 A	24 A	15 A	24 A	20 A	32 A	20 A	32 A	15 A	15 A	17.5 A
Wire Range (Rated Cross Section)	#30…14 AWG	0.5…2.5 mm²	#22…14 AWG	2.5 mm²	#22…12 AWG	0.5…4.0 mm²	#22…12 AWG	4.0 mm²	#22…16 AWG		0.5…1.5 mm²
Wire Strip Length	0.24 in. (6 mm)				0.39 in. (10 mm)				0.35 in. (9 mm)		
Recommended Tightening Torque	4.2…4.6 lb•in (0.47....0.52 N•m)				4.7…6.2 lb•in (0.53...0.70 N•m)				4.2…4.6 lb•in (0.47....0.52 N•m)		
Density	61 pcs/ft (200/m)				50 pcs/ft (166/m)				61 pcs/ft (200/m)		
Housing Temperature Range	-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)		
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Grey	**1492-WM3**			50	**1492-WM4**			50	**1492-WMD1**		50
Red	**1492-WM3-RE**			50	**1492-WM4-RE**			50	**1492-WMD1-RE**		50
Blue	**1492-WM3-B**			50	**1492-WM4-B**			50	**1492-WMD1-B**		50
Black	**1492-WM3-BL**			50	**1492-WM4-BL**			50	**1492-WMD1-BL**		50
Green	**1492-WM3-G**			50	**1492-WM4-G**			50	1492-WMD1-G		50
Yellow	**1492-WM3-Y**			50	**1492-WM4-Y**			50	1492-WMD1-Y		50
Orange	**1492-WM3-OR**			50	**1492-WM4-OR**			50	1492-WMD1-OR		50
Brown	**1492-WM3-BR**			50	1492-WM4-BR			50	1492-WMD1-BR		50
White	**1492-WM3-W**			50	**1492-WM4-W**			50	1492-WMD1-W		50
Accessories	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Mounting Rails: 1 m Sym. mini DIN (Steel)	**1492-DR3**			5	**1492-DR3**			5	**1492-DR3**		5
End Barrier	**1492-EBM3**			50	**1492-EBM4**			50	**1492-EBMD1**		50
End Anchors and Retainers: Mini Screwless End Retainer	**1492-ERL15**			20	**1492-ERL15**			20	**1492-ERL15**		20
Mini DIN Anchor — Normal Duty	**1492-EAJ15**			50	**1492-EAJ15**			50	**1492-EAJ15**		50
Jumpers: Insulated Side Jumper	**1492-SJM5-10** (10-pole)			10	**1492-N42** (2-pole) **1492-SJ6-10** (10-pole)			50 10	—		—
Side Jumper — 12-pole uninsulated	—			—	—			—	**1492-SJMD5-12** (Uninsulated)		10
Center Jumper — 50-pole	—			—	**1492-CJD6-50**			5	—		—
Center Jumper — 10-pole	**1492-CJM5-10**			10	**1492-CJD6-10**			10	—		—
Center Jumper — 5-pole	—			—	1492-CJD6-5			10	—		—
Center Jumper — 4-pole	—			—	1492-CJD6-4			10	—		—
Center Jumper — 3-pole	**1492-CJM5-3**			10	**1492-CJD6-3**			10	—		—
Center Jumper — 2-pole	**1492-CJM5-2**			10	**1492-CJD6-2**			10	—		—
Center Jumper Link	**1492-CJL5**			10	**1492-CJL6**			10	—		—
Other Accessories: Partition Plate	**1492-PPM3**			50	**1492-PPM3**			50	**1492-PPMD1**		50
Test Plug	—			—	**1492-TP28**			10	—		—
Test Plug Adapter	**1492-TA285**			10	**1492-TA40**			10	—		—
Electrical Warning Plate (4-pole)	—			—	1492-EWP6-4			10	—		—
Marking Systems: Snap-in Marker Card	**1492-MS5X5** (80/card)			5	**1492-MS6X9** (80/card)			5	**1492-MS5X5** (80/card)		5

	1492-WMG3		1492-WMG4	
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-circuit mini grounding terminal block.*		*Single-circuit mini grounding terminal block.*	
Certifications	**IEC**			**IEC**
Maximum Current	Grounding		Grounding	
Wire Range (Rated Cross Section)	#14 AWG (2.5 mm²)		#22…12 AWG	0.5…4.0 mm²
Wire Strip Length	0.31 in. (8 mm)		0.39 in. (10 mm)	
Recommended Tightening Torque	6.2 lb•in (0.7 N•m)		5.3 lb•in (0.6 N•m)	
Density	50 pcs/ft (166 pcs/m)		50 pcs/ft (166 pcs/m)	
Housing Temperature Range	—		-40…+195 °F (-40…+90 °C)	
Terminal Blocks	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color: Metallic	**1492-WMG3**	50	—	—
Color: Green/Yellow	—	—	**1492-WMG4**	10
Accessories	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Sym. Mini DIN (Steel)	**1492-DR3**	5	**1492-DR3**	5
End Anchors and Retainers: Mini Screwless End Retainer	—	—	**1492-ERL15**	20
Mini DIN Anchor — Normal Duty	—	—	**1492-EAJ15**	50
Other Accessories: Partition Plate	**1492-PPM3**	50	**1492-PPM3**	50
Marking Systems: Snap-in Marker Card	—	—	**1492-MS6X9** (80/card)	5

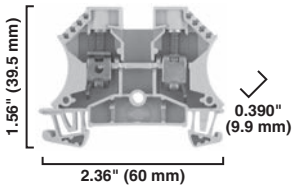
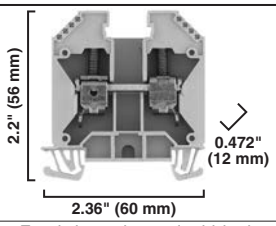
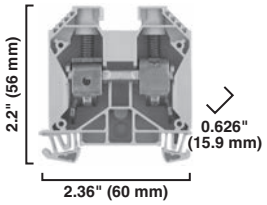
Screw Connection Terminal Blocks

Standard Feed-Through Blocks

	1492-J3				1492-J4				1492-J6			
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	*Feed-through terminal block*				*Feed-through terminal block*				*Feed-through terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	690V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC
Maximum Current	25 A	20 A	24 A	21 A	35 A	25 A	32 A	28 A	50 A		41 A	36 A
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (#20…14 AWG)	#22…10 AWG	#26…10 AWG	4 mm²	4 mm² (#20…12 AWG)	#22…8 AWG		6 mm²	6 mm² (#20…10 AWG)
Wire Strip Length	0.39 in. (10 mm)				0.39 in. (10 mm)				0.47 in. (12 mm)			
Recommended Tightening Torque	4.5…7.1 lb•in (0.5…0.8 N•m)				9.0 lb•in (1.0 N•m)				14.2 lb•in (1.6 N•m)			
Density	59 pcs/ft (196 pcs/m)				49 pcs/ft (163 pcs/m)				37 pcs/ft (123 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-J3**	100	**1492-J4**	100	**1492-J6**	100
	Red	**1492-J3-RE**	100	**1492-J4-RE**	100	**1492-J6-RE**	100
	Blue	**1492-J3-B**	100	**1492-J4-B**	100	**1492-J6-B**	100
	Black	**1492-J3-BL**	100	**1492-J4-BL**	100	**1492-J6-BL**	100
	Green	**1492-J3-G**	100	**1492-J4-G**	100	**1492-J6-G**	100
	Yellow	**1492-J3-Y**	100	**1492-J4-Y**	100	**1492-J6-Y**	100
	Orange	**1492-J3-OR**	100	**1492-J4-OR**	100	**1492-J6-OR**	100
	Brown	**1492-J3-BR**	100	**1492-J4-BR**	100	**1492-J6-BR**	100
	White	**1492-J3-W**	100	**1492-J4-W**	100	**1492-J6-W**	100
	Violet	**1492-J3-V**	100	**1492-J4-V**	100	—	—
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 Barriers	Grey	**1492-EBJ3**	50	**1492-EBJ3**	50	**1492-EBJ3**	50
	Blue	**1492-EBJ3-B**	50	**1492-EBJ3-B**	50	**1492-EBJ3-B**	50
	Yellow	**1492-EBJ3-Y**	50	**1492-EBJ3-Y**	50	**1492-EBJ3-Y**	50
End Anchors and Retainers: 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
Screwless End Retainer		**1492-ERL35**	20	**1492-ERL35**	20	**1492-ERL35**	20
Jumpers:* Screw Center Jumper — 10-pole		**1492-CJJ5-10**	20	**1492-CJJ6-10**	20	**1492-CJJ8-10**	20
Screw Center Jumper — 4-pole		**1492-CJJ5-4**	50	**1492-CJJ6-4**	50	**1492-CJJ8-4**	50
Screw Center Jumper — 3-pole		**1492-CJJ5-3**	50	**1492-CJJ6-3**	50	**1492-CJJ8-3**	50
Screw Center Jumper — 2-pole		**1492-CJJ5-2**	50	**1492-CJJ6-2**	50	**1492-CJJ8-2**	50
Plug-in Center Jumper — 50-Pole		**1492-CJLJ5-50**	10	**1492-CJLJ6-41** (41-pole)	10	—	—
Plug-in Center Jumper — 10-Pole		**1492-CJLJ5-10**	20	**1492-CJLJ6-10**	20	—	—
Plug-in Center Jumper — 9-Pole		1492-CJLJ5-9	20	—	—	—	—
Plug-in Center Jumper — 8-Pole		**1492-CJLJ5-8**	20	—	—	—	—
Plug-in Center Jumper — 7-Pole		**1492-CJLJ5-7**	20	—	—	—	—
Plug-in Center Jumper — 6-Pole		**1492-CJLJ5-6**	20	—	—	—	—
Plug-in Center Jumper — 5-Pole		**1492-CJLJ5-5**	20	—	—	—	—
Plug-in Center Jumper — 4-Pole		**1492-CJLJ5-4**	60	**1492-CJLJ6-4**	60	—	—
Plug-in Center Jumper — 3-Pole		**1492-CJLJ5-3**	60	**1492-CJLJ6-3**	60	—	—
Plug-in Center Jumper — 2-Pole		**1492-CJLJ5-2**	60	**1492-CJLJ6-2**	60	—	—
Insulated Side Jumper — 24-Pole		**1492-SJ5B-24**	50	—	—	—	—
Insulated Side Jumper — 10-Pole		**1492-SJ5B-10**	50	—	—	—	—
Screw Type Jumper Notching Tool		**1492-T1**	1	**1492-T1**	1	**1492-T1**	1
Other Accessories: Partition Plate		**1492-EBJ16**	20	**1492-EBJ16**	20	**1492-EBJ16**	20
Test Plug Socket		**1492-TPS23**	20	**1492-TPS23L**	50	**1492-TPS23L**	50
Test Plug		**1492-TP23**	20	**1492-TP23**	20	**1492-TP23**	20
Test Plug (Stackable)		**1492-TPJ5**	25	**1492-TPJ6**	25	—	—
Electrical Warning Plate		**1492-EWPJ5**	25	**1492-EWPJ5**	25	**1492-EWPJ8**	50
Marking Systems: Snap-in Marker Cards		**1492-M5X12** (144/card) **1492-M5X5** (200/card)	5 5	**1492-M6X12** (120/card) **1492-M6X5** (200/card)	5 5	**1492-MR8X12** (84/card) **1492-M8X5** (160/card)	5 5

* Use of center jumpers may affect spacings, requiring derating of terminal blocks. See page 12-83 for details.

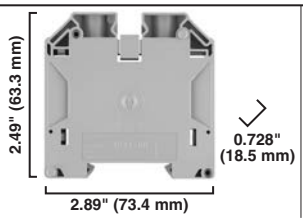
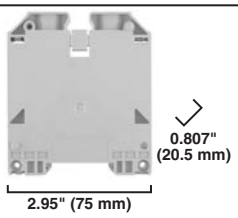
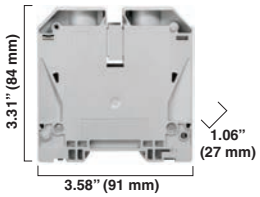
	1492-J10	1492-J16	1492-J35
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.			

Specifications	*Feed-through terminal block*				*Feed-through terminal block*				*Feed-through terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	600V AC/DC		1000V AC/DC	550V AC/DC	600V AC/DC		1000V AC/DC	690V AC/DC	1000V AC/DC	600V AC/DC	1000V AC/DC	690V AC/DC
Maximum Current	65 A	50 A	57 A	50 A	85 A		76 A	66 A	150 A	120 A	125 A	109 A
Wire Range (Rated Cross Section)	#18…6 AWG		10 mm²	10 mm² (#16…8 AWG)	#18…4 AWG		16 mm²	16 mm² (#16…6 AWG)	#12…1/0 AWG	#12…2 AWG	35 mm²	35 mm² (#14…2 AWG)
Wire Strip Length	0.47 in. (12 mm)				0.63 in. (16 mm)				0.70 in. (18 mm)			
Recommended Tightening Torque	20.4 lb•in (2.3 N•m)				35.0 lb•in (4.0 N•m)				51.0 lb•in (5.8 N•m)			
Density	30 pcs/ft (100 pcs/m)				25 pcs/ft (83 pcs/m)				19 pcs/ft (62 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											

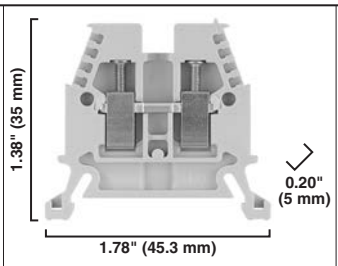
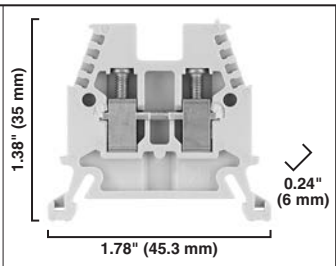
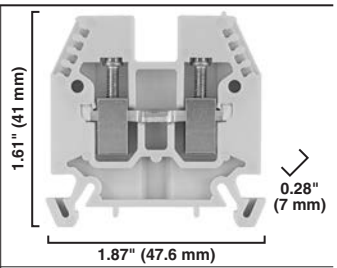
Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color:	Grey	**1492-J10**	50	**1492-J16**	50	**1492-J35**	40
	Red	**1492-J10-RE**	50	**1492-J16-RE**	50	—	—
	Blue	**1492-J10-B**	50	**1492-J16-B**	50	**1492-J35-B**	40
	Black	**1492-J10-BL**	50	**1492-J16-BL**	50	—	—
	Green	**1492-J10-G**	50	**1492-J16-G**	50	—	—
	Yellow	**1492-J10-Y**	50	**1492-J16-Y**	50	1492-J35-Y	40
	Orange	**1492-J10-OR**	50	1492-J16-OR	50	—	—
	Brown	**1492-J10-BR**	50	1492-J16-BR	50	—	—
	White	**1492-J10-W**	50	**1492-J16-W**	50	—	—
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 Heavy Duty DIN (Steel, unslotted)		**199-DR4**	5	**199-DR4**	5	**199-DR4**	5
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
1 m Symmetrical Heavy Duty DIN (Copper, unslotted)		1492-DR8	5	1492-DR8	5	1492-DR8	5
1 m Symmetrical Heavy Duty DIN (Steel)		**1492-DR9**	5	**1492-DR9**	5	**1492-DR9**	5
End Barriers	Grey	**1492-EBJ3**	50	**1492-EBJ16**	20	**1492-EBJ16**	20
	Blue	**1492-EBJ3-B**	50	**1492-EBJ16-B**	20	**1492-EBJ16-B**	20
	Yellow	**1492-EBJ3-Y**	50	**1492-EBJ16-Y**	20	**1492-EBJ16-Y**	20
End Anchors and Retainers: DIN Rail — Normal Duty		**1492-EAJ35**	100	—	—	—	—
DIN Rail — Heavy Duty		**1492-EAHJ35**	50	**1492-EAHJ35**	50	**1492-EAHJ35**	50
Screwless End Retainer		**1492-ERL35**	20	—	—	—	—
Jumpers: Screw Center Jumper — 10-pole		**1492-CJJ10-10**	20	**1492-CJJ12-10**	10	**1492-CJJ16-10**	10
Screw Center Jumper — 4-pole		**1492-CJJ10-4**	50	**1492-CJJ12-4**	20	1492-CJJ16-4	20
Screw Center Jumper — 3-pole		**1492-CJJ10-3**	50	**1492-CJJ12-3**	20	**1492-CJJ16-3**	20
Screw Center Jumper — 2-pole		**1492-CJJ10-2**	50	**1492-CJJ12-2**	20	**1492-CJJ16-2**	20
Screw Type Jumper Notching Tool		**1492-T1**	1	**1492-T1**	1	**1492-T1**	1
Other Accessories: Partition Plate		**1492-EBJ16**	20	**1492-PPJD3**	20	**1492-PPJD3**	20
Test Plug Socket		**1492-TPS23L**	50	1492-TPS4L	50	1492-TPS4L	50
Test Plug		**1492-TP23**	20	**1492-TP40**	20	**1492-TP40**	20
Electrical Warning Plate		**1492-EWPJ8**	50	1492-EWPJ12	50	1492-EWPJ12	50
Marking Systems: Snap-in marker cards		**1492-M7X12** (108/card)	5	**1492-M7X12** (108/card)	5	**1492-M7X12** (108/card)	5
Snap-in marker cards		**1492-M5X5** (200/card)	5	**1492-M5X5** (200 card)	5	**1492-M5X5** (200/card)	5

Screw Connection Terminal Blocks

Standard Feed-Through Blocks

	1492-J50				1492-J70				1492-J120		
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	*Feed-through terminal block*				*Feed-through terminal block*				*Feed-through terminal block*		
Certifications		**CSA**	**IEC**	**ATEX**		**CSA**	**IEC**	**ATEX**		**CSA**	**IEC**
Voltage Rating	1000V AC/DC	600V AC/DC	1000V AC/DC	690V AC/DC	600V AC/DC		1000V AC/DC	690V AC/DC	1000V AC/DC		
Maximum Current	150 A		150 A	126 A	175 A	205 A	192 A	167 A	228 A	220 A	269 A
Wire Range (Rated Cross Section)	#10…1/0 AWG	#8…1/0 AWG	50 mm^2	#10…1/0 AWG 50 mm^2	#6…2/0 AWG		70 mm^2	#8…2/0 AWG 70 mm^2	#4…250 MCM AWG	#4…4/0 AWG	16…120 mm^2
Wire Strip Length	0.94 in. (24 mm)				0.87 in. (22 mm)				1.06 in. (27 mm)		
Recommended Tightening Torque	31.5 lb•in (3.6 N•m)				87.0 lb•in (9.8 N•m)				141.6 lb•in (16.0 N•m)		
Density	16 pcs/ft (54 pcs/m)				14 pcs/ft (48 pcs/m)				11 pcs/ft (37 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-J50**		10		**1492-J70**		10		**1492-J120**		5
Blue	1492-J50-B		10		**1492-J120-B**		5		**1492-J120-B**		5
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 Heavy Duty DIN (Steel, Unslotted)	**199-DR4**		5		**199-DR4**		5		**199-DR4**		5
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		—		—
1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	1492-DR8		5		1492-DR8		5		1492-DR8		5
1 m Symmetrical Heavy Duty DIN (Steel)	**1492-DR9**		5		**1492-DR9**		5		**1492-DR9**		5
End Barriers	Not Required		—		Not Required		—		Not Required		—
End Anchors: DIN Rail — Heavy Duty	**1492-EAHJ35**		50		**1492-EAHJ35**		50		**1492-EAHJ35**		50
Jumpers:											
Screw Center Jumper — 4-pole	1492-CJJ18-4		10		1492-CJJ20-4		5		1492-CJJ27-4		5
Screw Center Jumper — 3-pole	1492-CJJ18-3		10		1492-CJJ20-3		5		1492-CJJ27-3		5
Screw Center Jumper — 2-pole	**1492-CJJ18-2**		10		1492-CJJ20-2		5		1492-CJJ27-2		5
Other Accessories: Control Circuit Tap*	1492-J50A		5		**1492-J70A**		5		1492-J120A		5
Electrical Warning Plate	1492-EWPJ18		50		1492-EWPJ18		50		—		—
Marking Systems: Snap-in marker cards	**1492-M7X12** (108/card)		5		**1492-M7X12** (108/card)		5		**1492-MR8X12** (84/card)		5
Snap-in marker cards	**1492-M5X5** (200/card)		5		**1492-M5X5** (200/card)		5		**1492-M7X12** (108/card)		5

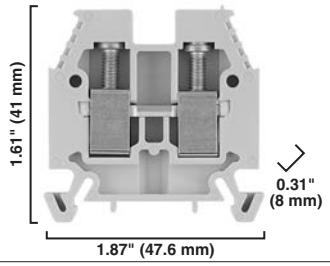
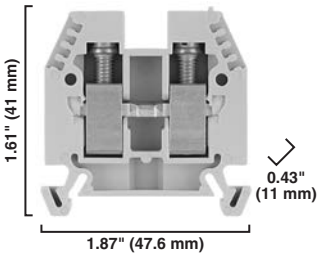
* Auxiliary connection, allowing a single additional #26...8 AWG wire connection.

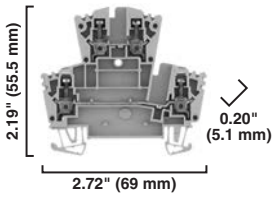
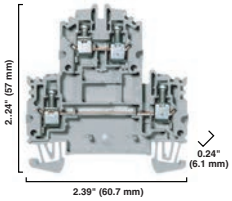
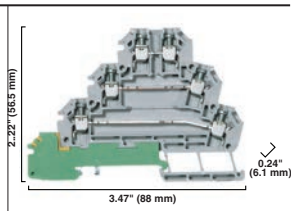
	1492-W3				1492-W4				1492-W6			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.												
Specifications	*Single-circuit terminal block.*				*Single-circuit terminal block.*				*Single-circuit terminal block.*			
Certifications	cULus	IEC	CSA	ATEX	cULus	IEC	CSA	ATEX	cULus	IEC	CSA	ATEX
Voltage Rating	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC
Maximum Current	20 A	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)	#30…14 AWG	0.5…2.5 mm^2	#22…14 AWG	2.5 mm^2	#22…10 AWG	0.5…4.0 mm^2	#22…10 AWG	4.0 mm^2	#22…10 AWG	0.5…6.0 mm^2	#22…10 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	5.0…5.6 lb•in (0.6 N•m)				5.0…5.6 lb•in (0.6 N•m)				5.6…6.8 lb•in (0.7 N•m)			
Density	61 pcs/ft (200 pcs/m)				50 pcs/ft (166 pcs/m)				43 pcs/ft (142 pcs/m)			
Housing Temperature Range	-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)			
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Grey	**1492-W3**			50	**1492-W4**			50	**1492-W6**			50
Red	**1492-W3-RE**			50	**1492-W4-RE**			50	**1492-W6-RE**			50
Blue	**1492-W3-B**			50	**1492-W4-B**			50	**1492-W6-B**			50
Black	**1492-W3-BL**			50	**1492-W4-BL**			50	**1492-W6-BL**			50
Green	**1492-W3-G**			50	**1492-W4-G**			50	**1492-W6-G**			50
Yellow	**1492-W3-Y**			50	**1492-W4-Y**			50	**1492-W6-Y**			50
Orange	**1492-W3-OR**			50	**1492-W4-OR**			50	**1492-W6-OR**			50
Brown	**1492-W3-BR**			50	**1492-W4-BR**			50	1492-W6-BR			50
White	**1492-W3-W**			50	**1492-W4-W**			50	**1492-W6-W**			50
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-EB3**			50	**1492-EB3**			50	**1492-EB10**			50
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: Insulated Side Jumper	**1492-SJ5-10** (10-pole)			10	**1492-N42** (2-pole) **1492-SJ6-10** (10-pole)			50 10	—			—
Center Jumper — 50-pole	**1492-CJ5-50**			5	**1492-CJ6-50**			5	—			—
Center Jumper — 40-pole	—			—	—			—	**1492-CJ7-40**			5
Center Jumper — 10-pole	**1492-CJ5-10**			10	**1492-CJ6-10**			10	**1492-CJ7-10**			10
Center Jumper — 5-pole	**1492-CJ5-5**			10	**1492-CJ6-5**			10	1492-CJ7-5			10
Center Jumper — 4-pole	**1492-CJ5-4**			10	**1492-CJ6-4**			10	**1492-CJ7-4**			10
Center Jumper — 3-pole	**1492-CJ5-3**			10	**1492-CJ6-3**			10	**1492-CJ7-3**			10
Center Jumper — 2-pole	**1492-CJ5-2**			10	**1492-CJ6-2**			10	**1492-CJ7-2**			10
Center Jumper Link	**1492-CJL5**			10	**1492-CJL6**			10	1492-CJL7			10
Center Jumper Cover — White*	**1492-CJCW5**			20	**1492-CJCW6**			20	**1492-CJCW6**			20
Other Accessories: Partition Plate	**1492-PP3**			50	**1492-PP3**			50	**1492-PP10**			50
Separation Plate	**1492-SP3**			50	**1492-SP3**			50	—			—
Test Plug	—			—	**1492-TP28**			10	**1492-TP28**			10
Stackable Test Plug (with Legs)	—			—	1492-TP6EWL			10	—			—
Stackable Test Plug (without Legs)	—			—	1492-TP6E			10	—			—
Test Plug Adapter	**1492-TA285**			10	**1492-TA40**			10	**1492-TA40**			10
Electrical Warning Plate (1-pole)	1492-EWP5			10	**1492-EWP6**			10	1492-EWP7			10
Electrical Warning Plate (4-pole)	1492-EWP5-4			10	1492-EWP6-4			10	1492-EWP7-4			10
Marking Systems: Snap-in Marker Cards	**1492-MS5X12** (80/card)			5	**1492-MS6X12** (80/card)			5	**1492-MS6X12** (80/card)			5

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

Screw Connection Terminal Blocks

Space-Saver Feed-Through Blocks

	1492-W10				1492-W16S			
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-circuit terminal block.*				*Single-circuit terminal block.*			
Certifications	cULus	IEC	CSA	ATEX	cULus	IEC	CSA	ATEX
Voltage Rating	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	550V AC/DC
Maximum Current	50 A	57 A	50 A	50 A	85 A	76 A	85 A	76 A
Wire Range (Rated Cross Section)	#22…8 AWG	10 mm²	#22…8 AWG	0.5…10 mm²	#14…4 AWG	16 mm²	#14…4 AWG	2.5…16 mm²
Wire Strip Length	0.51 in. (13 mm)				0.51 in. (13 mm)			
Recommended Tightening Torque	12.2…13.4 lb•in (1.4 N•m)				18…20 lb•in (2.1 N•m)			
Density	38 pcs/ft (125 pcs/m)				27 pcs/ft (90 pcs/m)			
Housing Temperature Range	-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)			
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Grey	**1492-W10**			50	**1492-W16S**			50
Red	**1492-W10-RE**			50	**1492-W16S-RE**			50
Blue	**1492-W10-B**			50	**1492-W16S-B**			50
Black	**1492-W10-BL**			50	**1492-W16S-BL**			50
Green	**1492-W10-G**			50	**1492-W16S-G**			50
Yellow	**1492-W10-Y**			50	**1492-W16S-Y**			50
Orange	**1492-W10-OR**			50	**1492-W16S-OR**			50
Brown	1492-W10-BR			50	**1492-W16S-BR**			50
White	**1492-W10-W**			50	**1492-W16S-W**			50
Accessories	**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 Barrier	**1492-EB10**			50	**1492-EB10**			50
End Anchors: DIN Rail — Normal Duty	**1492-EAJ35**			100	**1492-EAJ35**			100
DIN Rail — Heavy Duty	**1492-EAHJ35**			50	**1492-EAHJ35**			50
Jumpers: Side Jumper — 10-pole insulated	**1492-SJ8-10**			10	—			—
Center Jumper — 40-pole	**1492-CJ8-40**			5	—			—
Center Jumper — 10-pole	**1492-CJ8-10**			10	**1492-CJS11-10**			10
Center Jumper — 5-pole	1492-CJ8-5			10	**1492-CJS11-5**			10
Center Jumper — 4-pole	1492-CJ8-4			10	1492-CJS11-4			10
Center Jumper — 3-pole	**1492-CJ8-3**			10	**1492-CJS11-3**			10
Center Jumper — 2-pole	**1492-CJ8-2**			10	**1492-CJS11-2**			10
Center Jumper Link	**1492-CJL8**			10	—			—
Center Jumper Cover — White	**1492-CJCW6**			20	—			—
Other Accessories: Partition Plate	**1492-PP10**			50	**1492-PP10**			50
Test Plug	**1492-TP28**			10	—			—
Test Plug Adapter	**1492-TA40**			10	1492-TA40L			10
Electrical Warning Plate (1-pole)	1492-EWP8			10	1492-EWP11			10
Electrical Warning Plate (4-pole)	1492-EWP8-4			10	1492-EWP11-4			10
Marking Systems: Snap-in Marker Card	**1492-MS8X12** (56/card)			5	**1492-MS6X12** (80/card)			5

	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										

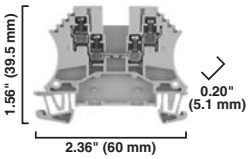
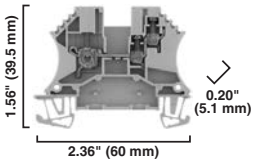
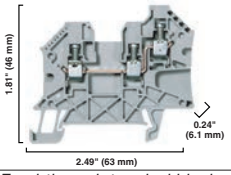
Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color:	Grey	**1492-JD3**	100	**1492-JD4**	100	**1492-JT3M**	50
	Red	**1492-JD3-RE**	100	**1492-JD4-RE**	100	—	—
	Blue	**1492-JD3-B**	100	**1492-JD4-B**	100	—	—
	Black	**1492-JD3-BL**	100	1492-JD4-BL	100	—	—
	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

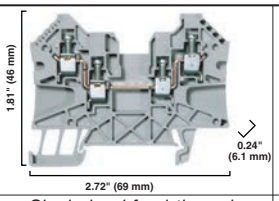
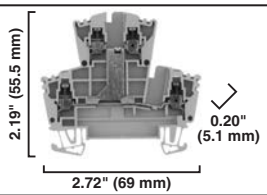
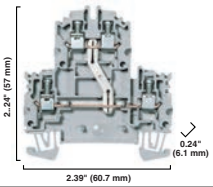
❄ Screw Center Jumpers, ‡ Plug-in Center Jumpers

Screw Connection Terminal Blocks

Specialty Feed-Through Blocks

		1492-J2Q			1492-J3TW				1492-J4TW		
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		*Feed-through terminal block with 2 connection points on each side*			*Feed-through terminal block with 3 connection points, 2 on one side*				*Feed-through terminal block with 3 connection points, 2 on one side*		
Certifications			CSA	IEC		CSA	IEC	ATEX		CSA	IEC
Voltage Rating		300V AC/DC		800V AC/DC	300V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		500V AC/DC
Maximum Current		25 A	10 A	17.5 A	—				30 A		32 A
Maximum Current	Single Side	—			10 A	15 A	17.5 A	15 A	—	—	—
	Twin Side	—			20 A		24 A	21 A	—	—	—
Wire Range (Rated Cross Section)	Single Side	#22…12 AWG	#26…12 AWG	1.5 mm²	#22…12 AWG	26…12 AWG	2.5 mm²	2.5 mm² (#20…14 AWG)	#30…10 AWG		4 mm²
	Twin Side	—			#22…14 AWG	26…14 AWG	1.5 mm²	1.5 mm² (#20…16 AWG)			
Wire Strip Length		0.28 in. (7 mm)			Single Side: 0.39 in. (10 mm) Twin Side: 0.26 in. (7 mm)				0.39 in. (10 mm)		
Recommended Tightening Torque		4.5 lb•in (0.5 N•m)			Single Side: 7.0 lb•in (0.8 N•m) Twin Side:4.5 lb•in (0.5 N•m)				6.2 lb•in (0.7 N•m)		
Density		59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)				59 pcs/ft (196 pcs/m)		
Housing Temperature Range	Insulation 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	Terminal Blocks	**Cat. No.**	**Pkg Qty.**		**Cat. No.**	**Pkg Qty.**			**Cat. No.**	**Pkg Qty.**	
Color:	Grey	**1492-J2Q**	100		**1492-J3TW**	100			**1492-J4TW**	50	
	Red	**1492-J2Q-RE**	100		**1492-J3TW-RE**	100			—	—	
	Blue	**1492-J2Q-B**	100		**1492-J3TW-B**	100			—	—	
	Black	**1492-J2Q-BL**	100		**1492-J3TW-BL**	100			—	—	
	Green	**1492-J2Q-G**	100		**1492-J3TW-G**	100			—	—	
	Yellow	1492-J2Q-Y	100		1492-J3TW-Y	100			—	—	
	Orange	**1492-J2Q-OR**	100		1492-J3TW-OR	100			—	—	
	Brown	1492-J2Q-BR	100		1492-J3TW-BR	100			—	—	
	White	**1492-J2Q-W**	100		**1492-J3TW-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 Barriers	Grey	**1492-EBJ3**	50		**1492-EBJ3**	50			**1492-EBJ4TW**	50	
	Blue	**1492-EBJ3-B**	50		**1492-EBJ3-B**	50			—	—	
	Yellow	**1492-EBJ3-Y**	50		**1492-EBJ3-Y**	50			1492-EBJ4TW-Y	50	
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-EAH35	10		1492-EAH35	10			1492-EAH35	10	
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			—	—	
Plug-in Center Jumper — 50-Pole (1492-J3TW)/ 41-Pole (1492-J4TW)		—	—		**1492-CJLJ5-50**	10			**1492-CJLJ6-41**	10	
Plug-in Center Jumper — 5-, 6-, 7-, 8-, 9-, 10-Pole		—	—		**1492-CJLJ5-5, -6, -7, -8, -9, -10**	20			**1492-CJLJ6-10**	20	
Plug-in Center Jumper — 2-, 3-, 4-Pole		—	—		**1492-CJLJ5-2, -3, -4**	60			**1492-CJLJ6-2, -3, -4**	60	
Insulated Side Jumper — 24-Pole		**1492-SJ5B-24**	50		**1492-SJ5B-24**	50			—	—	
Insulated Side Jumper — 10-Pole		**1492-SJ5B-10**	50		**1492-SJ5B-10**	50			—	—	
Screw Type Jumper Notching Tool		**1492-T1**	1		**1492-T1**	1			—	—	
Other Accessories: Partition Plate		**1492-EBJ16**	20		**1492-EBJ16**	20			—	—	
Test Plug Socket		**1492-TPS23L**	50		**1492-TPS23L**	50			**1492-TPS23L**	50	
Test Plug		**1492-TP23**	20		**1492-TP23**	20			**1492-TP23**	20	
Test Plug (Stackable)		**1492-TPJ5**	25		**1492-TPJ5**	25			—	—	
Marking Systems: Snap-in marker card		**1492-M5X12** (144/card)	5		**1492-M5X12** (144/card)	5			**1492-MR6X12** (120/card)	5	
		1492-M6X12 (200/card)	5		**1492-M6X12** (200/card)	5			**1492-M6X12** (120/card)	5	

* Use of center jumpers may affect spacings, requiring derating of terminal blocks.

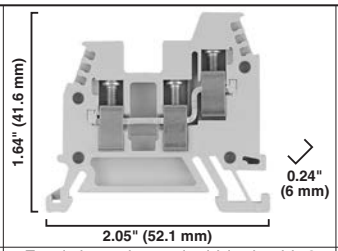
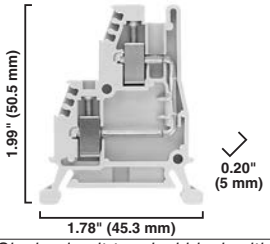
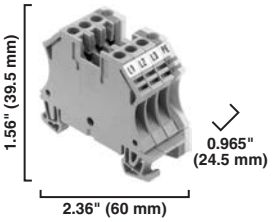
	1492-J4Q			1492-JD3C				1492-JD4C			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.											
Specifications	*Single-level feed-through terminal block with 2 connection points on each side*			*Two-level feed-through terminal block with commoning bar*				*Two-level feed-through terminal block with commoning bar*			
Certifications		CSA	IEC		CSA	IEC	ATEX		CSA	IEC	ATEX
Voltage Rating	600V AC/DC		500V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC	275V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC	550V AC/DC
Maximum Current	30 A		32 A	20 A	10 A	24 A	21 A	35 A	30 A	32 A	28 A
Wire Range (Rated Cross Section)	#30…10 AWG		0.5…4 mm^2	#22…12 AWG	#26…12 AWG	2.5 mm^2	2.5 mm^2 (20…14 AWG)	#26…10 AWG		0.5…4 mm^2	4 mm^2 (20…12 AWG)
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)				0.28 in. (7 mm)			
Recommended Tightening Torque	6.2 lb•in (0.7 N•m)			4.5…7.1 lb•in (0.5…0.8 N•m)				4.5 lb•in (0.5 N•m)			
Density	49 pcs/ft (163 pcs/m)			59 pcs/ft (196 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 (SCCR)	See page 12-42										
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Grey	**1492-J4Q**		50	1492-JD3C			100	**1492-JD4C**			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 Barriers Grey	**1492-EBJ4Q**		50	**1492-EBJD3**			20	**1492-EBJD4**			20
Blue	—		—	**1492-EBJD3-B**			20	—			—
Yellow	**1492-EBJ4Q-Y**		50	**1492-EBJD3-Y**			20	—			—
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	**1492-EAHJ35**			50
Jumpers:* Screw Center Jumper — 41-pole	—		—	—			—	—			—
Screw Center Jumper — 10-pole	—		—	**1492-CJJ5-10**			20	—			—
Screw Center Jumper — 4-pole	—		—	**1492-CJJ5-4**			50	—			—
Screw Center Jumper — 3-pole	—		—	**1492-CJJ5-3**			50	—			—
Screw Center Jumper — 2-pole	—		—	**1492-CJJ5-2**			50	—			—
Plug-in Center Jumper — 41-Pole	**1492-CJLJ6-41**		10	—			—	**1492-CJLJ6-41**			10
Plug-in Center Jumper — 5-, 6-, 7-, 8-, 9-, 10-Pole	**1492-CJLJ6-10**		20	—			—	**1492-CJLJ6-10**			20
Plug-in Center Jumper — 2-, 3-, 4-Pole	**1492-CJLJ6-2**, -3, -4		60	—			—	**1492-CJLJ6-2**, -3, -4			60
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
Test Plug Socket	—		—	**1492-TPS23**			20	—			—
Test Plug	—		—	**1492-TP23**			20	—			—
Test Plug (Stackable)	—		—	—			—	—			—
Marking Systems: Snap-in marker card	**1492-MR6X12** (120/card)		5	**1492-M5X8** (144/card)			5	**1492-MR6X8** (120/card)			5
	1492-M6X12 (120/card)		5	**1492-M5X5** (200/card)			5	**1492-M6X5** (200/card)			5

* Use of center jumpers may affect spacings, requiring derating of terminal blocks; see page 12-83 for details.

12

Screw Connection Terminal Blocks

Specialty Feed-Through Blocks

	1492-W4TW			1492-WR3		1492-J4M	
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	*Feed-through terminal block with 3 connection points, 2 on one side*			*Single-circuit terminal block with terminals on common side.*		*Motor connection terminal block cluster with 3 feeds and ground*	
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	Certifications on individual blocks (1492-J4, JG4)
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	300V AC/DC		500V AC/DC	
Maximum Current	30 A	20 A	32 A	15 A		15 A	
Wire Range (Rated Cross Section)	#18…10 AWG	#22…12 AWG	0.5…4 mm²	#22…14 AWG		0.5…2.5 mm²	#22…10 AWG 4 mm²
Wire Strip Length	0.35 in. (9 mm)			0.39 in. (10 mm)			0.39 in. (10 mm)
Recommended Tightening Torque	5.0…5.6 lb•in (0.6 N•m)			5.0…5.6 lb•in (0.6 N•m)			9.0 lb•in (1.0 N•m)
Density	50 pcs/ft (166 pcs/m)			61 pcs/ft (200 pcs/m)			12 pcs/ft (40 pcs/m)
Housing Temperature Range	-40…+195 °F (-40…+90 °C)			-40…+195 °F (-40…+90 °C)			-58…+248 °F (-50…+120 °C)
Short-Circuit Current Rating	See page 12-42						

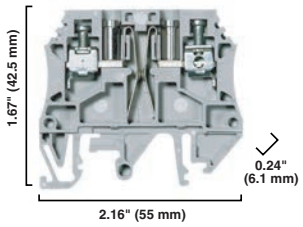
Terminal Blocks	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color: Grey	**1492-W4TW**	50	**1492-WR3**	50	—	—
Grey/Green/Yellow	—	—	—	—	**1492-J4M**	20
Red	**1492-W4TW-RE**	50	—	—	—	—
Blue	**1492-W4TW-B**	50	—	—	—	—
Black	**1492-W4TW-BL**	50	—	—	—	—
Green	1492-W4TW-G	50	—	—	—	—
Yellow	1492-W4TW-Y	50	—	—	—	—
Orange	1492-W4TW-OR	50	—	—	—	—
Brown	1492-W4TW-BR	50	—	—	—	—
White	**1492-W4TW-W**	50	—	—	—	—

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 Barriers Grey	**1492-EB3TW**	50	**1492-EBR3**	50	Not Required	—
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: Side Jumper — 10-pole insulated	**1492-SJ6-10**∗	10	**1492-SJ5-10**	10	—	—
Screw Center Jumper — 50-pole	**1492-CJ6-50**	5	**1492-CJD5-50**	5	—	—
Screw Center Jumper — 10-pole	**1492-CJ6-10**	10	**1492-CJD5-10**	10	**1492-CJJ6-10**	20
Screw Center Jumper — 5-pole	**1492-CJ6-5**	10	1492-CJD5-5	10	—	—
Screw Center Jumper — 4-pole	**1492-CJ6-4**	10	1492-CJD5-4	10	**1492-CJJ6-4**	50
Screw Center Jumper — 3-pole	**1492-CJ6-3**	10	**1492-CJD5-3**	10	**1492-CJJ6-3**	50
Screw Center Jumper — 2-pole	**1492-CJ6-2**	10	**1492-CJD5-2**	10	**1492-CJJ6-2**	50
Center Jumper Cover — White‡	**1492-CJCW6**	20	**1492-CJCW5**	20	—	—
Center Jumper Link	**1492-CJL6**	10	**1492-CJL5**	10	—	—
Screw Type Jumper Notching Tool	—	—	—	—	**1492-T1**	1
Other Accessories: Partition Plate	**1492-PP10**	50	**1492-EBR3**	50	**1492-EBJ16**	20
End Cover❄	1492-EC3TW	10	—	—	—	—
Test Plug Socket	—	—	—	—	**1492-TPS23L**	50
Test Plug	**1492-TP28**	10	—	—	**1492-TP23**	20
Test Adapater	**1492-TA40**	10	**1492-TA285**	10	**1492-TPJ6**	25
Electrical Warming Plate	—	—	—	—	**1492-EWPJ5**	50
Marking Systems: Snap-in marker cards	**1492-MS6X9** (80/card)	5	**1492-MS5X9** (80/card)	5	**1492-M6X12** (120/card)	5

∗ Use side jumpers on the single conductor side only.
❄ Provides IP2X Finger Safety when a W4 is mounted on open side of Cat. No. 1492-W4TW.
‡ May only be used as a marking surface. Cannot be installed over a center jumper.

1492-J4CTB

Dimensions are not intended to be used for manufacturing purposes.
Note: Height dimension is measured from top of rail to top of terminal block.



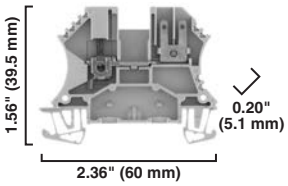
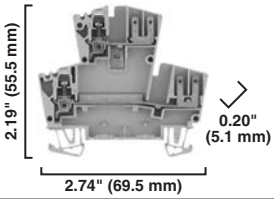
Specifications	*Single-level feed through block with circuit-break test/measurement plug capability*		
Certifications		**CSA**	**IEC**
Voltage Rating	300V AC/DC		500V AC/DC
Maximum Current	8 A		6 A
Wire Range (Rated Cross Section)	#26…10 AWG		0.5…4 mm²
Wire Strip Length	0.394 in. (10 mm)		
Recommended Tightening Torque	4.4…7.1 lb•in (0.5…0.8 N•m)		
Density	49 pcs/ft (163 pcs/m)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)		
Short-Circuit Current Rating	See page 12-42		

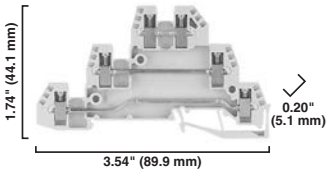
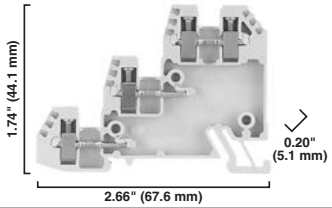
Terminal Blocks	**Cat. No.**	**Pkg Qty.**
Color: Grey	1492-J4CTB	50

Accessories	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**	10
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**	2
End Barrier Grey	1492-EBJ4CTB	50
End Anchors: Screwless End Retainer	**1492-ERL35**	20
DIN Rail - Normal Duty	**1492-EAJ35**	100
DIN Rail - Heavy Duty	**1492-EAHJ35**	50
Other Accessories: Test Plug - Make Before Break	1492-TPCMB	25
Test Plug - Break Before Make	1492-TPCBM	25
Marking Systems: Snap-in marker cards	**1492-MR6X8** (120/card)	5
Snap-in marker cards	**1492-M6X5** (200/card)	5

Screw Connection Terminal Blocks

Stab-Connect Feed-Through

	1492-J3F			1492-JD3F		
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	*Feed-through terminal block with stab connections on one side*			*Two-level, two-circuit feed-through terminal block with stab connections on one side*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	300V AC/DC		400V AC/DC
Maximum Current	16 A	10 A	16 A (2 x 8)	10 A		16 A (2 x 8)
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Recommended Tightening Torque	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)		
Housing Temperature Range	-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.**
Color: Grey	1492-J3F		50	1492-JD3F		50
Accessories	**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 Barrier	**1492-EBJ3**		50	**1492-EBJD3**		20
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
Fast-on Connector (Size 0.110 in.)	**800M-NT2**		100	**800M-NT2**		100
Connector Insulation Sleeve	1492-FCS		100	1492-FCS		100
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-SJ5B-24**		50	**1492-SJ5A-24**		50
Insulated Side Jumper — 10-Pole	**1492-SJ5B-10**		50	**1492-SJ5A-10**		50
Screw Type Jumper Notching Tool	**1492-T1**		1	**1492-T1**		1
Other Accessories: Partition Plate	**1492-EBJ16**		20	**1492-PPJD3**		20
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)		5	**1492-M5X8** (144/card)		5
Snap-in marker cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5

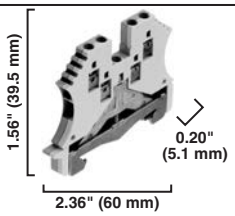
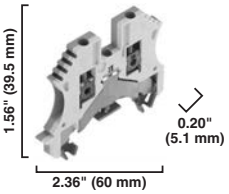
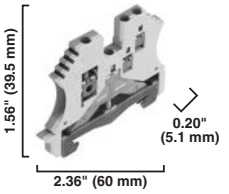
	1492-WTF3…			1492-WTS3…		
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.						
Specifications	*Three-circuit terminal block.*			*Three-level sensor block.*		
Certifications		CSA	IEC		CSA	IEC
Voltage Rating	300V AC/DC		250V AC/DC	300V AC/DC		250V AC/DC
Maximum Current	10 A		24 A	10 A		24 A
Wire Range (Rated Cross Section)	#26…14 AWG		0.5…2.5mm²	#26…14 AWG		0.5…2.5 mm²
Recommended Tightening Torque	4.2…4.6 lb•in (0.5 N•m)			4.2…4.6 lb•in (0.5 N•m)		
Density	60 pcs/ft (197 pcs/m)			60 pcs/ft (197 pcs/m)		
Housing Temperature Range	-40…+195 °F (-40…+90 °C)			-40…+195 °F (-40…+90 °C)		
Indicator Type WTF3/WTS3	No indicator			No indicator		
WTF3LP/WTS3LP	Red LED for PNP devices (10…50V)			Red LED for PNP devices (10…50V)		
WTF3LN/WTS3LN	Red LED for NPN devices (10…50V)			Red LED for NPN devices (10…50V)		
Leakage Current WTF3/WTS3	—			—		
WTF3LP/WTS3LP	2.69 mA @ 50V			2.69 mA @ 50V		
WTF3LN/WTS3LN	2.69 mA @ 50V			2.69 mA @ 50V		
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)		
Short-Circuit Current Rating	See page 12-42					

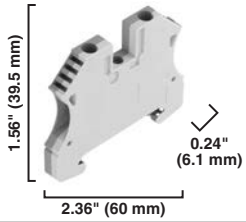
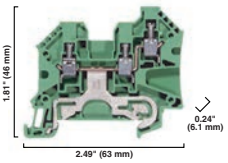
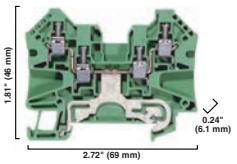
Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color:	Grey	**1492-WTF3**	50	**1492-WTS3**	50
	Blue	—	—	**1492-WTS3-B**	50
Grey for PNP devices		**1492-WTF3LP**	50	**1492-WTS3LP**	50
Grey for NPN devices		1492-WTF3LN	50	**1492-WTS3LN**	50

Accessories		**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 Barrier		**1492-EBTF3**	50	**1492-EBTS3**	50
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: Center Jumper — 50-pole		**1492-CJT5-50**	5	**1492-CJT5-50**	5
Center Jumper — 10-pole		**1492-CJT5-10**	10	**1492-CJT5-10**	10
Center Jumper — 3-pole		1492-CJT5-3	10	1492-CJT5-3	10
Center Jumper — 2-pole		**1492-CJT5-2**	10	**1492-CJT5-2**	10
Center Jumper Link		**1492-CJL5**	10	**1492-CJL5**	10
Center Jumper Cover — Red		**1492-CJCR5**	10	**1492-CJCR5**	10
Center Jumper Cover — Blue		**1492-CJCB5**	10	**1492-CJCB5**	10
Side — 20-pole Insulated Red		**1492-SJT5-20-R**	10	**1492-SJT5-20-R**	10
Side — 20-pole Insulated Blue		**1492-SJT5-20-B**	10	**1492-SJT5-20-B**	10
Other Accessories: Partition Plate		**1492-PPTS3**	50	**1492-PPTS3**	50
Test Plug Adapter		**1492-TA285**	10	**1492-TA285**	10
Electrical Warning Plate	4-Pole	1492-EWP5-4	10	1492-EWP5-4	10
	1-Pole	1492-EWP5	10	1492-EWP5	10
Marking Systems: Snap-in Marker Card		**1492-MS5X9** (80/card)	5	**1492-MS5X9** (80/card)	5

Screw Connection Terminal Blocks

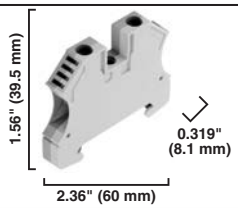
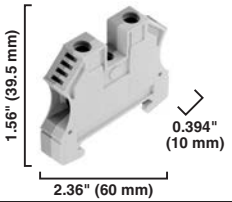
Grounding Blocks

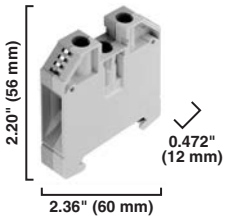
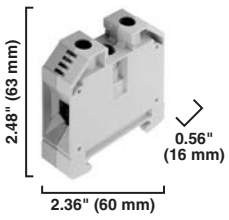
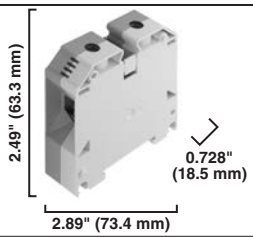
	1492-JG2Q			1492-JG3				1492-JG3TW			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.											
Specifications	*Feed-through grounding terminal block with 2 connection points on each side*			*Feed-through grounding terminal block*				*Feed-through grounding terminal block with 3 connection points, 2 on one side*			
Certifications		CSA	IEC		CSA	IEC	ATEX		CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding			Grounding				Grounding			
Wire Range (Rated Cross Section)	#22…14 AWG		1.5 mm²	#22…12 AWG		2.5 mm²	2.5 mm² (#20…14 AWG)	Single Side: #22…12 AWG		2.5 mm²	2.5 mm² (#20…14 AWG)
								Twin Side: #26…12 AWG		1.5 mm²	1.5 mm²(#20…16 AWG)
Wire Strip Length	0.28 in. (7 mm)			0.39 in. (10 mm)				Single Side: 0.39 in. (10 mm) Twin Side: 0.28 in. (7 mm)			
Recommended Tightening Torque	5.0 lb•in (0.6 N•m)			7.1 lb•in (0.8 N•m)				Single Side: 7.1 lb•in (0.8 N•m)			
Mounting Torque — Center Screw	3.5…5.3 lb•in (0.4…0.6 N•m)			3.5…6.2 lb•in (0.4…0.6 N•m)				Twin Side: 4.5 lb•in (0.5 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 page 12-42										
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Green/Yellow	**1492-JG2Q**		100	**1492-JG3**			100	**1492-JG3TW**			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 Yellow	**1492-EBJ3-Y**		50	**1492-EBJ3-Y**			50	**1492-EBJ3-Y**			50
End Anchors and End 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
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)		5	**1492-M5X12** (144/card)			5	**1492-M5X12** (144/card)			5
Snap-in marker cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)			5	**1492-M5X5** (200/card)			5

	1492-JG4				1492-JG4TW			1492-JG4Q		
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	*Feed-through grounding terminal block*				*Single-level grounding terminal block with 3 connection points, 2 on one side*			*Single-level grounding terminal block with two connection points on each sides*		
Certifications	cULus	**CSA**	**IEC**	**ATEX**	cULus	**CSA**	**IEC**	cULus	**CSA**	**IEC**
Voltage Rating	—	—	—	—	—			—		
Maximum Current	Grounding				Grounding			Grounding		
Wire Range (Rated Cross Section)	#22…10 AWG		4 mm²	4 mm² (#20…12 AWG)	#30…10 AWG		0.5…4 mm²	#30…10 AWG		0.5…4 mm²
Wire Strip Length	0.39 in. (10 mm)				0.394 in. (10 mm)			0.394 in. (10 mm)		
Recommended Tightening Torque	9 lb-in (1.0 N•m)				6.2 lb•in (0.7 N•m)			6.2 lb•in (0.7 N•m)		
Mounting Torque - Center Screw	4.4…7.1 lb•in (0.5…0.8 N•m)				—			—		
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)		
Short-Circuit Current Rating	See page 12-42									
Terminal Blocks	**Cat. No.**		**Pkg Qty.**		**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Green/Yellow	**1492-JG4**		100		**1492-JG4TW**		50	**1492-JG4Q**		50
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 Yellow	Not Required		—		1492-EBJ4TW-Y		50	**1492-EBJ4Q-Y**		50
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
Marking Systems: Snap-in marker cards	**1492-M6X12** (120/card)		5		**1492-MR6X12** (120/card)		5	**1492-MR6X12** (120/card)		5
Snap-in marker cards	**1492-M6X5** (200/card)		5		**1492-M6X12** (120/card)		5	**1492-M6X12** (120/card)		5

Screw Connection Terminal Blocks

Grounding Blocks

	1492-JG6				1492-JG10			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding			
Wire Range (Rated Cross Section)	#22…8 AWG		6 mm²	6 mm² (#20…10 AWG)	#16…6 AWG		10 mm²	10 mm² (#16…8 AWG)
Wire Strip Length	0.47 in. (12 mm)				0.47 in. (12 mm)			
Recommended Tightening Torque	14.2 lb•in (1.6 N•m)				20.4 lb•in (2.3 N•m)			
Mounting Torque — Center Screw	4.4…8.9 lb•in (0.5…1.0 N•m)				4.4…8.9 lb•in (0.5…1.0 N•m)			
Density	37 pcs/ft (123 pcs/m)				30 pcs/ft (100 pcs/m)			
Housing Temperature Range	-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.**
Color: Green/Yellow	**1492-JG6**			50	**1492-JG10**			50
Accessories	**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 Anchors and End 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
Marking Systems: Snap-in marker cards	**1492-MR8X12** (84/card)			5	**1492-M7X12** (108/card)			5
Snap-in marker cards	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5

	1492-JG16				1492-JG35				1492-JG50			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block*				*Feed-through grounding terminal block*			
Certifications	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding			
Wire Range (Rated Cross Section)	#24…4 AWG		16 mm²	16 mm² (#16…6 AWG)	#12…1 AWG	#12…2 AWG	35 mm²	35 mm² (#14…2 AWG)	#10… 1/0 AWG	#14… 1/0 AWG	50 mm²	50 mm² (10…1/0 AWG)
Wire Strip Length	0.63 in. (16 mm)				0.70 in. (18 mm)				0.94 in. (24 mm)			
Recommended Tightening Torque	35.0 lb•in (4.0 N•m)				51.0 lb•in (5.8 N•m)				31.5 lb•in (3.6 N•m)			
Mounting Torque — Center Screw	10.6…21.2 lb•in (1.2…2.4 N•m)				10.6…21.2 lb•in (1.2…2.4 N•m)				17.7…35.4 lb•in (2.0…4.0 N•m)			
Density	25 pcs/ft (83 pcs/m)				19 pcs/ft (62 pcs/m)				16 pcs/ft (54 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: Green/Yellow	**1492-JG16**			50	**1492-JG35**			25	**1492-JG50**			10
Accessories	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**			10	—			—	—			—
1 m Symmetrical Heavy Duty DIN (Steel, Unslotted)	**199-DR4**			5	**199-DR4**			5	**199-DR4**			5
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	—			—	—			—
1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	1492-DR8			5	1492-DR8			5	1492-DR8			5
1 m Symmetrical Heavy Duty DIN (Steel)	**1492-DR9**			5	**1492-DR9**			5	**1492-DR9**			5
End Barrier	Not Required			—	Not Required			—	Not Required			—
End Anchors: DIN Rail — Heavy Duty	**1492-EAHJ35**			50	**1492-EAHJ35**			50	**1492-EAHJ35**			50
Marking Systems: Snap-in marker cards	**1492-M7X12** (108/card)			5	**1492-M7X12** (108/card)			5	**1492-M7X12** (108/card)			5
Snap-in marker cards	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5

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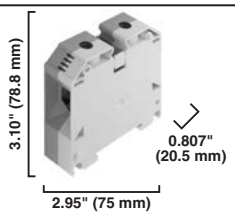
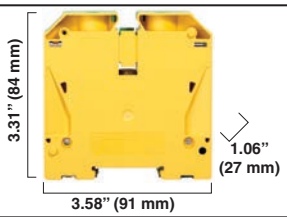
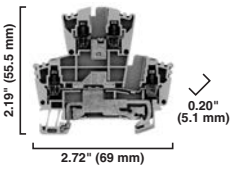
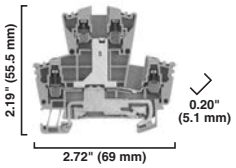
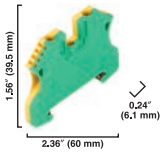
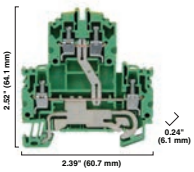
Screw Connection Terminal Blocks

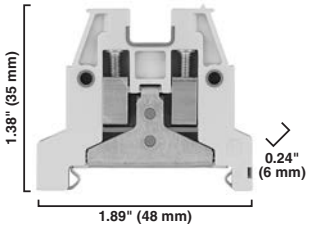
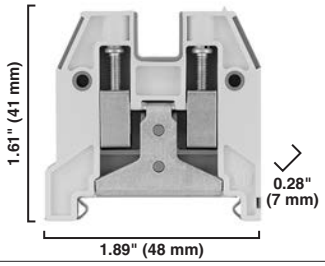
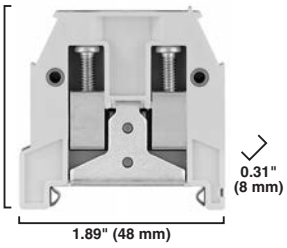
Grounding Blocks

	1492-JG70				1492-JG120			1492-JDG3			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block*			*Two-circuit terminal block with one feed-through and one grounding circuit*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	cULus	CSA	IEC	ATEX
Voltage Rating	—				—			300V AC/DC		400V AC/DC	275V AC/DC
Maximum Current	Grounding				—			20 A		24 A	21 A
Wire Range (Rated Cross Section)	#6…2/0 AWG		70 mm²	70 mm² (#8…2/0 AWG)	#4…3/0 AWG	#4…4/0 AWG	16...95 mm²	#22…12 AWG		2.5 mm²	2.5 mm² (#20…14 AWG)
Wire Strip Length	0.87 in. (22 mm)				1.06 in. (27 mm)			0.39 in. (10 mm)			
Recommended Tightening Torque	87.0 lb•in (9.8 N•m)				88.5 lb•in (10 N•m)			4.5…7.1 lb•in (0.5…0.8 N•m)			
Mounting Torque — Center Screw	17.7…35.4 lb•in (2.0…4.0 N•m)				—			—			
Density	14 pcs/ft (48 pcs/m)				11 pcs/ft (37 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 page 12-42										
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Green/Yellow	**1492-JG70**			10	**1492-JG120**		5	—			—
Grey	—			—	—		—	**1492-JDG3**			100
Accessories	**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	—			—	—		—	**199-DR1**			10
1 m Symmetrical DIN (Aluminum)	—			—	—		—	**1492-DR5**			10
1 m Hi-Rise Sym. DIN (Aluminum)	—			—	—		—	**1492-DR6**			2
1 m Angled Hi-Rise Sym. DIN (Steel)	—			—	—		—	**1492-DR7**			2
Screw Type 1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	1492-DR8			5	1492-DR8		5	—			—
End Barrier Grey	Not Required			—	—		—	**1492-EBJD3**			20
End Barrier Yellow	Not Required			—	—		—	**1492-EBJD3-Y**			20
Jumpers: Screw Center Jumper — 10-pole	—			—	—		—	**1492-CJJ5-10**			20
Screw Center Jumper — 4-pole	—			—	—		—	**1492-CJJ5-4**			50
Screw Center Jumper — 3-pole	—			—	—		—	**1492-CJJ5-3**			50
Screw Center Jumper — 2-pole	—			—	—		—	**1492-CJJ5-2**			50
Insulated Side Jumper — 24-Pole	—			—	—		—	**1492-SJ5A-24**			50
Insulated Side Jumper — 10-Pole	—			—	—		—	**1492-SJ5A-10**			50
End Anchors 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
Marking Systems: Snap-in marker cards	**1492-M7X12** (108/card)			5	**1492-MR8X12** (84/card)		5	**1492-M5X8** (200/card)			5
Snap-in marker cards	**1492-M8X5** (160/card)			5	**1492-M7X12** (108/card)		5	**1492-M5X5** (144/card)			5

	1492-JDG3C				1492-JDG4				1492-JDG4C			
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 grounding terminal block with commoning bar*				*Two-circuit terminal block with one feed-through and one grounding*				*Two-level grounding terminal block with commoning bar*			
Certifications		CSA	IEC	ATEX		CSA	IEC	ATEX		CSA	IEC	ATEX
Voltage Rating	—				600V AC/DC	300V AC/DC	800V AC/DC	550V AC/DC	—			
Maximum Current	Grounding				35 A	30 A	32 A	28 A	Grounding			
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (#20…14 AWG)	#26…10 AWG		4 mm²	4 mm²	#26…10 AWG		4 mm²	4 mm²
Wire Strip Length	0.39 in. (10 mm)				0.31 in. (8 mm)				0.31 in. (8 mm)			
Recommended Tightening Torque	4.5…7.1 lb•in (0.5…0.8 N•m)				4.5…8.8 lb•in (0.5…1.0 N•m)				4.5…8.8 lb•in (0.5…1.0 N•m)			
Mounting Torque — Center Screw	—				—				—			
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												
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**
Color: Green/Yellow	**1492-JDG3C**			100	—			—	**1492-JDG4C**			100
Grey	—			—	**1492-JDG4**			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
Screw Type 1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	—			—	—			—	—			—
End Barrier Grey	**1492-EBJD4**			20	**1492-EBJD4**			20	**1492-EBJD4**			20
End Barrier Yellow	1492-EBJD4-Y			20	1492-EBJD4-Y			20	1492-EBJD4-Y			20
Jumpers: Screw Center Jumper — 41-pole	—			—	**1492-CJLJ6-41**			10	—			—
Center Jumper — 10-pole	—			—	**1492-CJLJ6-10**			20	—			—
Center Jumper — 4-pole	—			—	**1492-CJLJ6-4**			60	—			—
Center Jumper — 3-pole	—			—	**1492-CJLJ6-3**			60	—			—
Center Jumper — 2-pole	—			—	**1492-CJLJ6-2**			60	—			—
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
Marking Systems: Snap-in marker cards	**1492-M5X8** (144/card)			5	**1492-M6X5** (200/card)			5	**1492-M6X5** (200/card)			5
Snap-in marker cards	**1492-M5X5** (200/card)			5	**1492-MR6X8** (120/card)			5	**1492-MR6X8** (120/card)			5

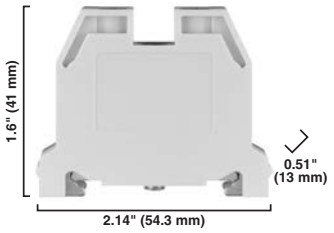
Screw Connection Terminal Blocks

Space-Saver Grounding Blocks

	1492-WG4				1492-WG6				1492-WG10S		
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-circuit grounding terminal block.*				*Single-circuit grounding terminal block.*				*Single-circuit grounding terminal block.*		
Certifications	cULus	IEC	CSA	ATEX	cULus	IEC	CSA	ATEX	cULus	CSA	IEC
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding		
Wire Range (Rated Cross Section)	#22…12 AWG	4 mm²	#22…12 AWG	4 mm²	#22…10 AWG	6 mm²	#22…10 AWG	6 mm²	#22…8 AWG	#22…8 AWG	10 mm²
Wire Strip Length	0.43 in. (11 mm)				0.47 in. (12 mm)				0.43 in. (11 mm)		
Recommended Tightening Torque	5.6…6.8 lb•in (0.7 N•m)				5.6…6.8 lb•in (0.7 N•m)				7.1 lb•in (0.8 N•m)		
Density	50 pcs/ft (166 pcs/m)				43 pcs/ft (142 pcs/m)				38 pcs/ft (125 pcs/m)		
Housing Temperature Range	-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)				-40…+195 °F (-40…+90 °C)		
Terminal Blocks	**Cat. No.**			**Pkg Qty.**	**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Green/Yellow	**1492-WG4**			50	**1492-WG6**			50	**1492-WG10S**		10
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-EB3-Y**			50	**1492-EB10-Y**			50	**1492-EB10-Y**		50
End Anchors: 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
Marking Systems: Snap-in Marker Card	**1492-MS6X12** (80/card)			5	**1492-MS6X12** (80/card)			5	**1492-MS6X12** (80/card)		5

1492-WG16S

Dimensions are not intended to be used for manufacturing purposes.
Note: Height dimension is measured from top of rail to top of terminal block.



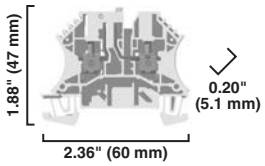
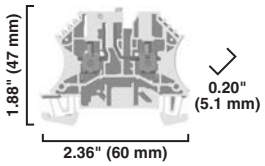
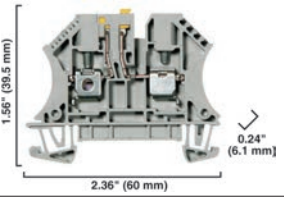
Specifications	*Single-circuit grounding terminal block.*		
Certifications		**CSA**	**IEC**
Voltage Rating	—	—	—
Maximum Current	Grounding		
Wire Range (Rated Cross Section)	#14…4 AWG		2.5…16 mm²
Wire Strip Length	0.51 in. (13 mm)		
Recommended Tightening Torque	18…20 lb•in (2.1 N•m)		
Center Screw Mounting Torque	10.6 lb•in (1.2 N•m)		
Density	27 pcs/ft (90 pcs/m)		
Housing Temperature Range	-40…+195 °F (-40…+90 °C)		

Terminal Blocks	**Cat. No.**	**Pkg Qty.**
Color: Green/Yellow	**1492-WG16S**	25

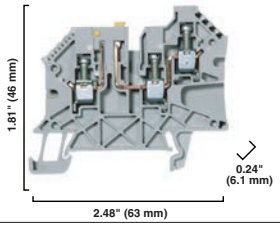
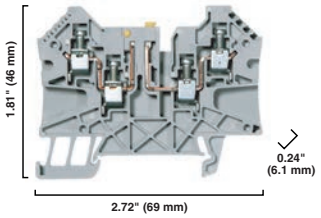
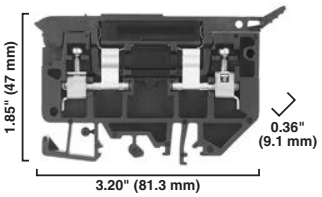
Accessories	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**	10
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**	2
1 m Symmetrical DIN (Copper)	1492-DR8	5
1 m Symmetrical DIN (Steel)	**1492-DR9**	5
End Barrier	Not Required	—
End Anchors: DIN Rail — Normal Duty	**1492-EAJ35**	100
DIN Rail — Heavy Duty	**1492-EAHJ35**	50
Marking Systems: Snap-in Marker Card	**1492-MS6X12** (80/card)	5

Screw Connection Terminal Blocks

Isolation Blocks

	1492-JKD3	1492-JKD3TP	1492-JKD4
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	*Feed through terminal block with knife disconnect*	*Feed-through terminal block with knife disconnect and test screws*	*Feed-through terminal block with knife disconnect*
Certifications	cULus / CSA / IEC	cULus / CSA / IEC	cULus / CSA / IEC
Voltage Rating	300V AC/DC / 500V AC/DC	300V AC/DC / 500V AC/DC	600V AC/DC / 300V AC/DC / 400V AC/DC
Maximum Current	10 A / 24 A	10 A / 24 A	22 A / 10 A / 32 A
Wire Range (Rated Cross Section)	#22…12 AWG / 2.5 mm²	#22…12 AWG / 2.5 mm²	#22…10 AWG / 0.05…4.0 mm²
Fuse Size (Dummy Fuse Supplied)	—	—	—
Wire Strip Length	0.39 in. (10 mm)	0.39 in. (10 mm)	0.512 in. (13 mm)
Recommended Tightening Torque	7.1 lb•in. (0.8 N•m)	7.1 lb•in. (0.8 N•m)	9.0 lb•in. (1.0 N•m)
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)
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-JKD3**	100	**1492-JKD3TP**	100	**1492-JKD4**	100
Blue	**1492-JKD3-B**	100	—	—	1492-JKD4-B	100
with Test Points Grey	—	—	—	—	**1492-JKD4TP**	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 Barriers Grey	**1492-EBJ3**	50	**1492-EBJ3**	50	**1492-EBJ3**	50
Yellow	—	—	—	—	**1492-EBJ3-Y**	50
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: Plug-in Center Jumper — 50-Pole	**1492-CJLJ5-50**	10	**1492-CJLJ5-50**	10	—	—
Plug-in Center Jumper — 41-Pole	—	—	—	—	**1492-CJLJ6-41**	10
Plug-in Center Jumper — 10-Pole	**1492-CJLJ5-10**	20	**1492-CJLJ5-10**	20	**1492-CJLJ6-10**	20
Plug-in Center Jumper — 9-Pole	1492-CJLJ5-9	20	1492-CJLJ5-9	20	—	—
Plug-in Center Jumper — 8-Pole	**1492-CJLJ5-8**	20	**1492-CJLJ5-8**	20	—	—
Plug-in Center Jumper — 7-Pole	**1492-CJLJ5-7**	20	**1492-CJLJ5-7**	20	—	—
Plug-in Center Jumper — 6-Pole	**1492-CJLJ5-6**	20	**1492-CJLJ5-6**	20	—	—
Plug-in Center Jumper — 5-Pole	**1492-CJLJ5-5**	20	**1492-CJLJ5-5**	20	—	—
Plug-in Center Jumper — 4-Pole	**1492-CJLJ5-4**	60	**1492-CJLJ5-4**	60	**1492-CJLJ6-4**	60
Plug-in Center Jumper — 3-Pole	**1492-CJLJ5-3**	60	**1492-CJLJ5-3**	60	**1492-CJLJ6-3**	60
Plug-in Center Jumper — 2-Pole	**1492-CJLJ5-2**	60	**1492-CJLJ5-2**	60	**1492-CJLJ6-2**	60
Insulated Side Jumper — 24-Pole	**1492-SJ5B-24**	50	**1492-SJ5B-24**	50	—	—
Insulated Side Jumper — 10-Pole	**1492-SJ5B-10**	50	**1492-SJ5B-10**	50	—	—
Uninsulated Side Jumper — 10-Pole	—	—	—	—	—	—
Side Jumper — Insulating Sleeve	—	—	—	—	—	—
Screw Type Jumper Notching Tool	**1492-T1**	1	**1492-T1**	1	—	—
Other Accessories: Partition Plate	**1492-EBJ16**	20	**1492-EBJ16**	20	**1492-EBJ16**	20
Test Plug	—	—	**1492-TP23**	20	—	—
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)	5	**1492-M5X12** (144/card)	5	**1492-MR6X12** (120/card)	5
Snap-in marker cards	**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5	**1492-M6X12** (120/card)	5

	1492-JKD4TW			1492-JKD4Q			1492-H7		
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	*Feed-through terminal block with knife disconnect; 3 connection points, 2 on one side*			*Feed-through terminal block with knife disconnect; 2 connection points on each side*			*Handle-style isolating terminal block*		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	600V AC/DC		500V AC/DC	600V AC/DC		500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	25 A		30 A	25 A		30 A	15 A	15 A	15 A
Wire Range (Rated Cross Section)	#30…10 AWG		0.5…4 mm^2	#30…10 AWG		0.5…4 mm^2	#30…10 AWG		0.5…4.0 mm^2
Fuse Size (Dummy Fuse Supplied)	—			—			1/4 x 1-1/4 in.		
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)			0.38 in. (9.7 mm)		
Recommended Tightening Torque	6.2 lb•in (0.7 N•m)			6.2 lb•in (0.7 N•m)			7.1 lb•in (0.8 N•m)		
Density	49 pcs/ft (163 pcs/m)			49 pcs/ft (163 pcs/m)			33 pcs/ft (109 pcs/m)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)			-58…+248 °F (-50…+120 °C)			-40…+221 °F (-40…+105 °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-JKD4TW		50	1492-JKD4Q		50	—		—
With Test Points Grey	1492-JKD4TWTP		50	1492-JKD4QTP		50	—		—
Black	—		—	—		—	**1492-H7**		25
Accessories	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Mounting Rails: 3 ft Scored A-B Rail	—		—	—		—	**1492-N1**		20
3 ft Rigid A-B Rail	—		—	—		—	**1492-N22**		20
3 ft Rigid Rise A-B Rail	—		—	—		—	**1492-N44**		2
Standoff Brackets (use every 12 in.) ❄	—		—	—		—	**1492-N25**		2
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-EBJ4TW**		50	**1492-EBJ4Q**		50	**1492-N37**		50
End Barrier Yellow	1492-EBJ4TW-Y		50	**1492-EBJ4Q-Y**		50	—		—
End Anchors and Retainers: A-B Rail — Heavy Duty	—		—	—		—	**1492-N23**		10
A-B Rail — Normal Duty	—		—	—		—	**1492-N47**		50
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 — 41-pole	**1492-CJLJ6-41**		10	**1492-CJLJ6-41**		10	—		—
Plug-in Center Jumper — 10-pole	**1492-CJLJ6-10**		20	**1492-CJLJ6-10**		20	—		—
Plug-in Center Jumper — 4-pole	**1492-CJLJ6-4**		60	**1492-CJLJ6-4**		60	—		—
Plug-in Center Jumper — 3-pole	**1492-CJLJ6-3**		60	**1492-CJLJ6-3**		60	—		—
Plug-in Center Jumper — 2-pole	**1492-CJLJ6-2**		60	**1492-CJLJ6-2**		60	—		—
Uninsulated Side Jumper — 10-Pole	—		—	—		—	**1492-N49**		10
Side Jumper — Insulating Sleeve	—		—	—		—	**1492-SJS**		10
Other Accessories: Partition Plate	—		—	—		—	—		—
Marking Systems: Snap-in marker cards	**1492-MR6X12** (120/card)		5	**1492-MR6X12** (120/card)		5	**1492-MS8X12** (56/card)		5
Snap-in marker cards	**1492-M6X12** (120/card)		5	**1492-M6X12** (120/card)		5	**1492-MS8X9** (56/card)		5
Adhesive Labels	—		—	—		—	1492-ALHFB (50/sheet)		1

❄ For use with 1492-N22 DIN rail only.

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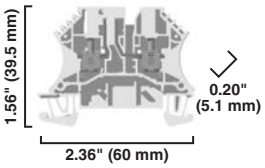
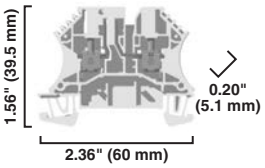
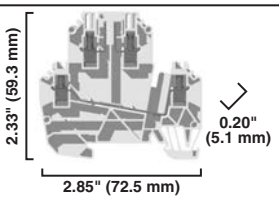
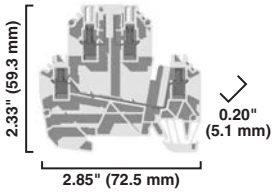
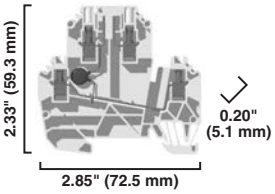
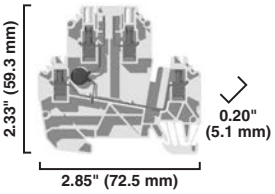
Screw Connection Terminal Blocks

Plug-In Style Terminal Blocks

	1492-J3P			1492-J3PTP			1492-JD3P		
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	*Selectable component plug-in terminal block*			*Selectable component plug-in terminal block with test plug socket*			*Two Circuit selectable component plug-in terminal block*		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	600V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC		500V AC/DC	300V AC/DC		500V AC/DC
Maximum Current	20 A	10 A	24 A	20 A	10 A	24 A	20 A		24 A
Wire Range (Rated Cross Section)	#30…12 AWG		2.5 mm²	#30…12 AWG		2.5 mm²	#24…12 AWG	#30…12 AWG	2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)			0.31 in. (8 mm)		
Recommended Tightening Torque	4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 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 page 12-42								
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Grey	**1492-J3P**		100	**1492-J3PTP**		100	**1492-JD3P**		50
Red	1492-J3P-RE		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 Barriers	**1492-EBJ3**		50	**1492-EBJ3**		50	**1492-EBJD3P**		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✶ ❄: Center Jumper — 50-Pole	**1492-CJLJ5-50**		10	**1492-CJLJ5-50**		10	—		—
Center Jumper — 10-Pole	**1492-CJLJ5-10**		20	**1492-CJLJ5-10**		20	**1492-CJJ5-10**		20
Center Jumper — 9-Pole	1492-CJLJ5-9		20	1492-CJLJ5-9		20	—		—
Center Jumper — 8-Pole	**1492-CJLJ5-8**		20	**1492-CJLJ5-8**		20	—		—
Center Jumper — 7-Pole	**1492-CJLJ5-7**		20	**1492-CJLJ5-7**		20	—		—
Center Jumper — 6-Pole	**1492-CJLJ5-6**		20	**1492-CJLJ5-6**		20	—		—
Center Jumper — 5-Pole	**1492-CJLJ5-5**		20	**1492-CJLJ5-5**		20	—		—
Center Jumper — 4-Pole	**1492-CJLJ5-4**		60	**1492-CJLJ5-4**		60	**1492-CJJ5-4**		50
Center Jumper — 3-Pole	**1492-CJLJ5-3**		60	**1492-CJLJ5-3**		60	**1492-CJJ5-3**		50
Center Jumper — 2-Pole	**1492-CJLJ5-2**		60	**1492-CJLJ5-2**		60	**1492-CJJ5-2**		50
Screw Type Jumper Notching Tool	—		—	—		—	**1492-T1**		1
Other Accessories: Partition Plate	**1492-EBJ16**		20	**1492-EBJ16**		20	**1492-PPJD3P**		20
Test Plug	—		—	**1492-TP23**		20	—		—
Disconnect Plug	**1492-DPL**		50	**1492-DPL**		50	**1492-DPL**		50
Component Plug	**1492-CPL**		50	**1492-CPL**		50	**1492-CPL**		50
Fuse Plug Without Blown Fuse Indicator	**1492-FPK2**		20	**1492-FPK2**		20	**1492-FPK2**		20
10…36V Blown Fuse Indicator	**1492-FPK224**		20	**1492-FPK224**		20	**1492-FPK224**		20
35…70V Blown Fuse Indicator	1492-FPK248		20	1492-FPK248		20	1492-FPK248		20
60…150V Blown Fuse Indicator	**1492-FPK2120**		20	**1492-FPK2120**		20	**1492-FPK2120**		20
140…250V Blown Fuse Indicator	**1492-FPK2250**		20	**1492-FPK2250**		20	**1492-FPK2250**		20
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)		5	**1492-M5X12** (144/card)		5	**1492-SM5X10** (144/card)		5
Snap-in marker cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5

✶ Cat. nos. 1492-J3P and J3PTP use screwless center jumpers. Cat. No. 1492-JD3P uses a screw-type center jumper.

❄ Use of Center Jumpers may affect spacings, requiring derating of terminal blocks. See the Terminal Block selection guide, pub. no. 1492-SG008*.

	1492-JD3PTP			1492-JD3PSS			1492-JD3PSSTP		
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-circuit selectable component plug-in terminal block with test plug socket*			*Two-circuit selectable component plug-in terminal block with internal surge suppressor*			*Two-circuit selectable component plug-in terminal block with internal surge suppressor and test plug socket*		
Certifications	UL	CSA	IEC	UL	CSA	IEC	UL	CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	300V AC/DC		115V AC	300V AC/DC		115V AC/DC
Maximum Current	20 A		24 A	20 A		24 A	20 A		24 A
Wire Range (Rated Cross Section)	#24…12 AWG	#30…12 AWG	2.5 mm²	#24…12 AWG	#30…12 AWG	2.5 mm²	#24…12 AWG	#30…12 AWG	2.5 mm²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.31 in. (8 mm)		
Recommended Tightening Torque	4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 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 page 12-42								
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Grey	**1492-JD3PTP**		50	**1492-JD3PSS**		50	1492-JD3PSSTP		50
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 Barriers	**1492-EBJD3P**		20	**1492-EBJD3P**		20	**1492-EBJD3P**		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: Screw Center Jumper — 10-Pole	**1492-CJJ5-10**		20	**1492-CJJ5-10**		20	**1492-CJJ5-10**		20
Screw Center Jumper — 4-Pole	**1492-CJJ5-4**		50	**1492-CJJ5-4**		50	**1492-CJJ5-4**		50
Screw Center Jumper — 3-Pole	**1492-CJJ5-3**		50	**1492-CJJ5-3**		50	**1492-CJJ5-3**		50
Screw Center Jumper — 2-Pole	**1492-CJJ5-2**		50	**1492-CJJ5-2**		50	**1492-CJJ5-2**		50
Screw Type Jumper Notching Tool	**1492-T1**		1	**1492-T1**		1	**1492-T1**		1
Other Accessories: Partition Plate	**1492-PPJD3P**		20	**1492-PPJD3P**		20	**1492-PPJD3P**		20
Test Plug	**1492-TP23**		20	—		—	**1492-TP23**		20
Disconnect Plug	**1492-DPL**		50	**1492-DPL**		50	**1492-DPL**		50
Component Plug	**1492-CPL**		50	**1492-CPL**		50	**1492-CPL**		50
Fuse Plug Without Blown Fuse Indicator	**1492-FPK2**		20	**1492-FPK2**		20	**1492-FPK2**		20
10…36V Blown Fuse Indicator	**1492-FPK224**		20	**1492-FPK224**		20	**1492-FPK224**		20
35…70V Blown Fuse Indicator	1492-FPK248		20	1492-FPK248		20	1492-FPK248		20
60…150V Blown Fuse Indicator	**1492-FPK2120**		20	**1492-FPK2120**		20	**1492-FPK2120**		20
140…250V Blown Fuse Indicator	**1492-FPK2250**		20	**1492-FPK2250**		20	**1492-FPK2250**		20
Group Marking Carrier	**1492-GM35**		25	**1492-GM35**		25	**1492-GM35**		25
Marking Systems: Snap-in marker cards	**1492-SM5X10** (144/card)		5	**1492-SM5X10** (144/card)		5	**1492-SM5X10** (144/card)		5
Snap-in marker cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5

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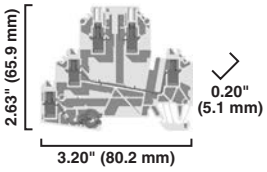
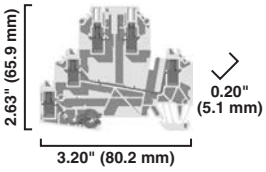
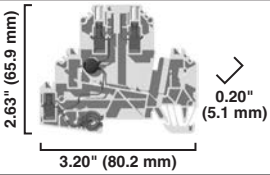
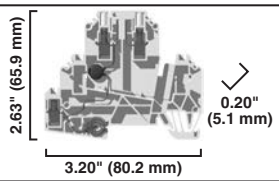
Screw Connection Terminal Blocks

Double-Level Plug-In Style Terminal Blocks

	1492-JDG3P			1492-JDG3PTP			1492-JDG3PSS		
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-circuit block with ground connection*			*Two-circuit block with test plug socket and ground connection*			*Single-circuit block with MOV to ground*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	300V AC/DC		500V AC/DC	300V AC/DC		115V AC
Maximum Current	20 A		24 A	20 A		24 A	20 A		24 A
Wire Range (Rated Cross Section)	#24…12 AWG	#30…12 AWG	2.5 mm²	#24…12 AWG	#30…12 AWG	2.5 mm²	#24…12 AWG	#30…12 AWG	2.5 mm²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.31 in. (8 mm)		
Recommended Tightening Torque	4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 N•m)			4.4 lb•in (0.5 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 page 12-42								
Terminal Blocks	**Cat. No.**	**Pkg Qty.**		**Cat. No.**	**Pkg Qty.**		**Cat. No.**	**Pkg Qty.**	
Color: Grey	**1492-JDG3P**	50		**1492-JDG3PTP**	50		1492-JDG3PSS	50	
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 Barriers	**1492-EBJD3P**	20		**1492-EBJD3P**	20		**1492-EBJD3P**	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: 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		—	—	
Screw Type Jumper Notching Tool	**1492-T1**	1		**1492-T1**	1		—	—	
Other Accessories: Partition Plate	**1492-PPJD3P**	20		**1492-PPJD3P**	20		**1492-PPJD3P**	20	
Test Plug	—	—		**1492-TP23**	20		—	—	
Disconnect Plug	**1492-DPL**	50		**1492-DPL**	50		**1492-DPL**	50	
Component Plug	**1492-CPL**	50		**1492-CPL**	50		**1492-CPL**	50	
Fuse Plug Without Blown Fuse Indicator	**1492-FPK2**	20		**1492-FPK2**	20		**1492-FPK2**	20	
10…36V Blown Fuse Indicator	**1492-FPK224**	20		**1492-FPK224**	20		**1492-FPK224**	20	
35…70V Blown Fuse Indicator	1492-FPK248	20		1492-FPK248	20		1492-FPK248	20	
60…150V Blown Fuse Indicator	**1492-FPK2120**	20		**1492-FPK2120**	20		**1492-FPK2120**	20	
140…250V Blown Fuse Indicator	**1492-FPK2250**	20		**1492-FPK2250**	20		**1492-FPK2250**	20	
Marking Systems: Snap-in marker cards	**1492-SM5X10** (144/card)	5		**1492-SM5X10** (144/card)	5		**1492-SM5X10** (144/card)	5	
Snap-in marker cards	**1492-M5X5** (200/card)	5		**1492-M5X5** (200/card)	5		**1492-M5X5** (200/card)	5	

1492-JDG3PSSTP

Dimensions are not intended to be used for manufacturing purposes.
Note: Height dimension is measured from top of rail to top of terminal block.



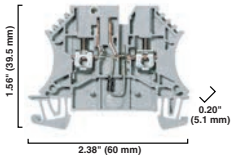
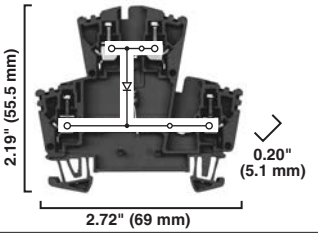
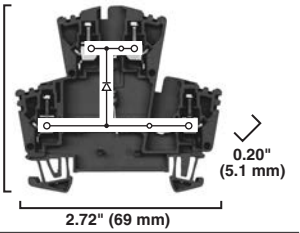
Specifications	*Single-circuit block with MOV to ground and test plug socket*		
Certifications		**CSA**	**IEC**
Voltage Rating	300V AC/DC		115V AC
Maximum Current	20 A		24 A
Wire Range (Rated Cross Section)	#24…12 AWG	#30…12 AWG	2.5 mm²
Wire Strip Length	0.31 in. (8 mm)		
Recommended Tightening Torque	4.4 lb•in (0.5 N•m)		
Density	59 pcs/ft (196 pcs/m)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)		
Short-Circuit Current Rating	See page 12-42		

Terminal Blocks	**Cat. No.**	**Pkg Qty.**
Color: Grey	1492-JDG3PSSTP	50

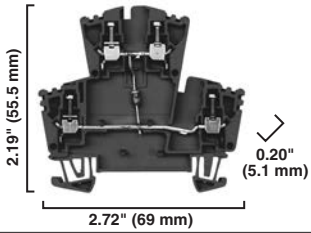
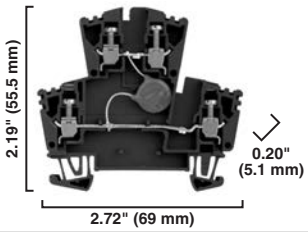
Accessories	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**	10
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**	2
End Barriers	**1492-EBJD3P**	20
End Anchors and Retainers: Screwless End Retainer	**1492-ERL35**	20
DIN Rail — Normal Duty	**1492-EAJ35**	100
DIN Rail — Heavy Duty	**1492-EAHJ35**	50
Other Accessories: Partition Plate	**1492-PPJD3P**	20
Test Plug	**1492-TP23**	20
Disconnect Plug	**1492-DPL**	50
Component Plug	**1492-CPL**	50
Fuse Plug Without Blown Fuse Indicator	**1492-FPK2**	20
10…36V Blown Fuse Indicator	**1492-FPK224**	20
35…70V Blown Fuse Indicator	1492-FPK248	20
60…150V Blown Fuse Indicator	**1492-FPK2120**	20
140…250V Blown Fuse Indicator	**1492-FPK2250**	20
Marking Systems: Snap-in marker cards	**1492-SM5X10** (144/card)	5
Snap-in marker cards	**1492-M5X5** (200/card)	5

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 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²
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

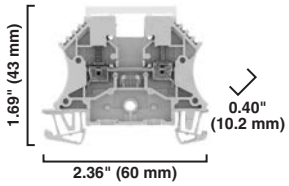
* See page 12-97 for component specifications.

	1492-JD3RC001*			1492-JD3SS		
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 a 249 ohm resistor between the levels*			*Two-level terminal block with an MOV between the levels.*		
Certifications		**CSA**	**IEC**		**CSA**	**IEC**
Voltage Rating	600V AC/DC	300V AC/DC	400V AC/DC	600V AC/DC	115V AC/DC	
Resistor Type	Precision Wire Wound			—		
Resistor Value	249 Ω, 1/2 W			—		
Current through Busbar	20 A	10 A	—	20 A	10 A	24 A
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Recommended Tightening Torque	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)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)			-58…+248 °F (-50…+120 °C)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Grey	**1492-JD3RC001**		1	**1492-JD3SS**		1
Accessories	**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 Barrier	**1492-EBJD3**		20	**1492-EBJD3**		20
End Anchors: 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: 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-PPJD3**		20	**1492-PPJD3**		20
Marking Systems: Snap-in marker card	**1492-M5X8** (144/card)		5	**1492-M5X8** (144/card)		5
Snap-in marker card	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5

* See page 12-97 for component specifications.

Screw Connection Terminal Blocks

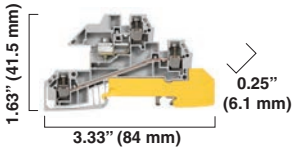
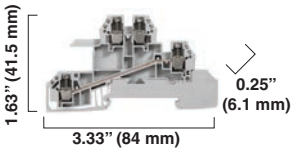
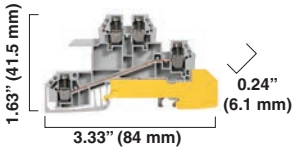
Thermocouple Blocks

	1492-JTC3...
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 circuit terminal block with current bars made of thermocouple material*	
Certifications	**IEC**	**ATEX**
Voltage Rating	—	55V AC/DC
Wire Range (Rated Cross Section)	#30…12 AWG 2.5 mm²	#20...14 AWG 2.5 mm²
Wire Strip Length	0.39 in. (10 mm)	
Recommended Tightening Torque	3.5…5.3 lb•in (0.4…0.6 N•m)	
Density	29 pcs/ft (98 pcs/m)	
Housing Temperature Range	-58…+248 °F (-50…+120 °C)	
Short-Circuit Current Rating	See page 12-42	

Terminal Blocks	**Cat. No.**	**Pkg Qty.**
Color/Type/Material Gray/Type B/1 S-Copper, 1 E-Copper	**1492-JTC3B**	50
Gray/Type E/1 Chromel, 1 Constantan	**1492-JTC3E**	50
Gray/Type J/1 Iron, 1 Constantan	**1492-JTC3J**	50
Gray/Type K/1 Chromel, 1 Alumel	**1492-JTC3K**	50
Gray/Type N/1 Ni-Cr-Si, 1 Ni-Si-Mg	**1492-JTC3N**	50
Gray/Type S/1 E-Copper, 1 A-Copper	**1492-JTC3S**	50
Gray/Type T/1 E-Copper, 1 Constantan	**1492-JTC3T**	50

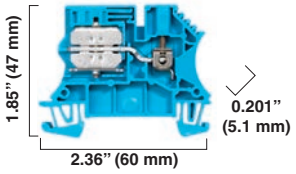
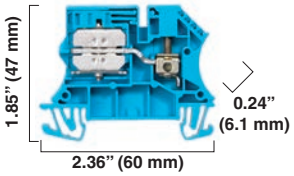
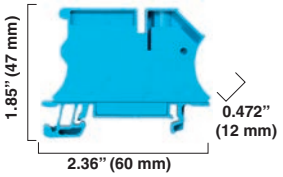
Accessories	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**	10
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**	2
End Barrier	**1492-EBJ3**	50
End Anchors and Retainers: Screwless End Retainer	**1492-ERL35**	20
DIN Rail — Normal Duty	**1492-EAJ35**	100
DIN Rail — Heavy Duty	**1492-EAHJ35**	50
Other Accessories: Partition Plate	**1492-EBJ16**	20
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)	5
Individual Marker Tabs (Single Char.)	**1492-M5X5** (200/card)	5

	1492-JDG3ND			1492-JD3N			1492-JDG3N		
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	*3-Level terminal block with neutral disconnect and ground connection*			*2-Level feed-through terminal block for installation applications*			*3-Level terminal block with 2 feed-through and ground connection*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	300V AC/DC		400V AC/DC	300V AC/DC		400V AC/DC	300V AC/DC		400V AC/DC
Maximum Current	15 A	10 A	24 A	15 A	10 A	24 A	15 A	10 A	24 A
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.31 in. (8 mm)		
Recommended Tightening Torque	7.0 lb•in (0.8 N•m)			7.0 lb•in (0.8 N•m)			7.0 lb•in (0.8 N•m)		
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)		
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-JDG3ND		50	**1492-JD3N**		50	**1492-JDG3N**		50
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 Barriers Busbar Support Plates Grey	**1492-BSPJLD3N**		20	**1492-BSPJLD3N**		20	**1492-BSPJLD3N**		20
End Barriers Busbar Support Plates Blue	1492-BSPJLD3N-B		20	1492-BSPJLD3N-B		20	1492-BSPJLD3N-B		20
End Anchors and Retainers: Screwless End Retainer	**1492-ERL35**		20	**1492-ERL35**		20	**1492-ERL35**		20
End Anchor — Normal Duty	**1492-EAJ35**		100	**1492-EAJ35**		100	**1492-EAJ35**		100
End Anchor — Heavy Duty	**1492-EAHJ35**		50	**1492-EAHJ35**		50	**1492-EAHJ35**		50
Jumpers: Screw Center Jumper — 10-pole	**1492-CJJN6-10**		20	**1492-CJJN6-10**		20	**1492-CJJN6-10**		20
Screw Center Jumper — 4-pole	1492-CJJN6-4		50	1492-CJJN6-4		50	1492-CJJN6-4		50
Screw Center Jumper — 3-pole	1492-CJJN6-3		50	1492-CJJN6-3		50	1492-CJJN6-3		50
Screw Center Jumper — 2-pole	1492-CJJN6-2		50	1492-CJJN6-2		50	1492-CJJN6-2		50
Other Accessories: Test Plug Socket	**1492-TPS23**		20	**1492-TPS23**		20	**1492-TPS23**		20
Test Plug	**1492-TP23**		20	**1492-TP23**		20	**1492-TP23**		20
Neutral Connection Block (4 mm) Blue*	1492-JNC4-B		50	—		—	—		—
Neutral Bus Bar (1 m)	1492-NBB3-1M		5	—		—	—		—
Marking Systems: Snap-in Marker Cards	**1492-M6X5** (200/card)		5	**1492-M6X5** (200/card)		5	**1492-M6X5** (200/card)		5

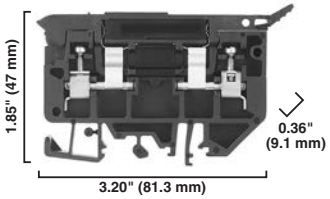
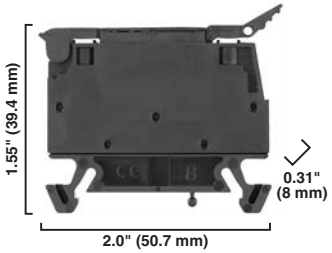
* These terminals mount on the 1492-NBB3-1M Netural Busbar. They can accept 1492-M6X5 snap-in markers.

Screw Connection Terminal Blocks

Single-Circuit Neutral Disconnect Blocks

	1492-J3ND			1492-J4ND			1492-J16ND		
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 screw neutral disconnect terminal block*			*Single-level screw neutral disconnect terminal block*			*Single-level screw neutral disconnect terminal block*		
Certifications		**CSA**	**IEC**		**CSA**	**IEC**		**CSA**	**IEC**
Voltage Rating	600V AC/DC		400V AC/DC	600V AC/DC		400V AC/DC	300V AC/DC		400V AC/DC
Maximum Current	25 A	20 A	24 A	35 A	25 A	32 A	65 A		76 A
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm^2	#22…10 AWG	#26…10 AWG	4 mm^2	#14…6 AWG		16 mm^2
Wire Strip Length	0.394 in. (10 mm)			0.394 in. (10 mm)			0.47 in. (12 mm)		
Recommended Tightening Torque	7.1 lb•in (0.5 N•m)			9.0 lb•in (1.0 N•m)			19.5 lb•in (2.2 N•m)		
Density	59 pcs/ft (196 pcs/m)			49 pcs/f (/163 pcs/m)			25 pcs/ft (83 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: Blue	1492-J3ND		100	1492-J4ND		100	1492-J16ND		50
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 Barriers Busbar Support Plates Blue	1492-BSPJ3ND-B		20	1492-BSPJ3ND-B		20	1492-BSPJ3ND-B		20
End Anchors and Retainers: Screwless End Retainer	**1492-ERL35**		20	**1492-ERL35**		20	**1492-ERL35**		20
End Anchor — Normal Duty	**1492-EAJ35**		100	**1492-EAJ35**		100	**1492-EAJ35**		100
End Anchor — Heavy Duty	**1492-EAHJ35**		50	**1492-EAHJ35**		50	**1492-EAHJ35**		50
Neutral Connection Block (4 mm) Blue*	1492-JNC4-B		50	1492-JNC4-B		50	1492-JNC4-B		50
Neutral Bus Bar (1 m)	1492-NBB3-1M		5	1492-NBB3-1M		5	1492-NBB3-1M		5
Marking Systems: Snap-in Marker Cards	**1492-MR5X12** (120/card) **1492-M5X5** (200/card)		5 5	**1492-MR6X12** (120/card) **1492-M6X5** (200/card)		5 5	**1492-MR8X12** (84/card) **1492-M7X12** (108/card)		5 5

* These terminals mount on the 1492-NBB3-1M Netural Busbar. They can accept 1492-M6X5 snap-in markers.

	1492-H...	1492-WFB4...
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-circuit fusible terminal block with or without fuse indication.*	*Single-circuit fuse block with or without fuse indication.*
Certifications	cULus / CSA / IEC	cULus / CSA / IEC
Voltage Rating — H6/WFB4	300V AC/DC	300V AC/DC
Voltage Rating — H5/WFB424	10…57V AC/DC	10…57V AC/DC
Voltage Rating — H4/WFB4250	100…300V AC	85…264V AC
Maximum Current	15 A	15 A / 15 A ✶
Wire Range (Rated Cross Section)	#30…12 AWG / 0.5… 4 mm²	#30…12 AWG / 0.5…4 mm²
Wire Strip Length	0.38 in. (9.7 mm)	0.31 in. (8 mm)
Recommended Tightening Torque	7.1 lb•in (0.8 N•m)	2.65…5.3 lb•in (0.3…0.6 N•m)
Density	33 pcs/ft (109pcs /m)	38 pcs/ft (125 pcs/m)
Housing Temperature Range	-40…+195 °F (-40…+90 °C)	-40…+195 °F (-40…+90 °C)
Indicator Type		
H6/WFB4	Non-Indicating	Non-Indicating
H5/WFB424	Red LED	Red LED
H4/WFB4250	Neon	Neon
Leakage Current		
H6/WFB4	—	—
H5/WFB424	2 mA @ 24V	2 mA @ 24V
H4/WFB4250	2 mA @ 300V	2 mA @ 300V
Fuse Size (Not Supplied)	1/4 x 1-1/4 in.	5 x 20 mm
Short-Circuit Current Rating	See page 12-42	

Terminal Blocks	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color: Black No-indication	**1492-H6**	25	**1492-WFB4**	50
Color: Black w/LED	**1492-H5**	25	**1492-WFB424**	50
Color: Black w/Neon	**1492-H4**	25	**1492-WFB4250**	50

Accessories	**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
3 ft Scored A-B Rail	**1492-N1**	20	—	—
3 ft Rigid A-B Rail	**1492-N22**	20	—	—
3 ft High Rise A-B Rail	**1492-N44**	2	—	—
Standoff Brackets (Use Every 12 in.)	**1492-N25**	2	—	—
End Barrier	**1492-N37**	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
A-B Rail — Heavy Duty	**1492-N23**	10	—	—
10-Pole Side Jumper ❄	**1492-N49**	10	**1492-SJFB8-10**	10
Side Jumper Insulating Sleeve	**1492-SJS**	10	—	—
Other Accessories: Partition Plate	—	—	**1492-PPSL3**	50
Marking Systems: Snap-In Marker Card — For Base Block	—	5	**1492-MS8X12** (56/card)	5
	—	5	**1492-MS8X9** (56/card)	5
For Handle	**1492-MS8X12** (56/card)	5	**1492-MS8X9** (56/card)	5
	1492-MS8X9 (56/card)	5		
Adhesive Labels	1492-ALHFB (50/sheet)	1	1492-ALHFB (50/card)	1

✶ IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

❄ Cat. No. 1492-N49 is uninsulated. Cat. No. 1492-SJFB8-10 is insulated.

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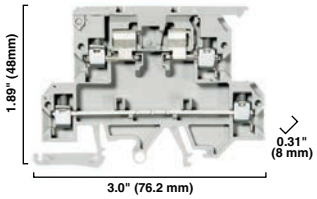
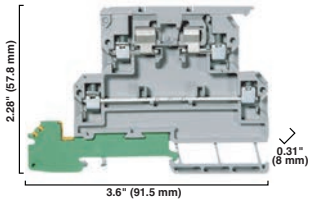
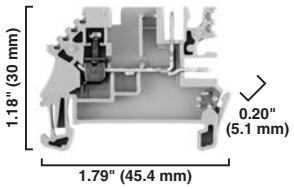
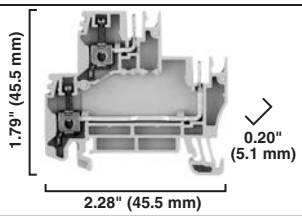
Screw Connection Terminal Blocks

Fuse Blocks

	1492-JD3FB			1492-JDG3FB		
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 feed-through circuit and hinged-arm fuse circuit*			*Three-Level terminal block with feed-through circuit, hinged-arm fuse circuit, and ground point*		
Certifications		**CSA**	**IEC**		**CSA**	**IEC**
Voltage Rating	300V AC/DC		500V AC/DC	300V AC/DC		500V AC/DC
Maximum Current — Fuse Circuit	10 A	10 A/250V	6.3 A❄	10 A	10 A/250V	6.3 A❄
Maximum Current — Feed-through Circuit	20 A	25 A		20 A	25 A	
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	0.5…4 mm²	#22…12 AWG	#26…12 AWG	0.5…4 mm²
Fuse Size (Not Supplied)	5 x 20 mm			5 x 20 mm		
Wire Strip Length	0.35 in. (9 mm)			0.35 in. (9 mm)		
Recommended Tightening Torque	5.5 lb•in (0.6 N•m)			5.5 lb•in (0.6 N•m)		
Density	38 pcs/ft (125 pcs/m)			38 pcs/ft (125 pcs/m)		
Housing Temperature Range	-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.**
Color: Grey	**1492-JD3FB**		50	**1492-JDG3FB**		50
Accessories	**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 Barrier Grey	**1492-EBJD3FB**		20	**1492-EBJD3FB**		20
End Anchors: 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: Side Jumper — 4-pole	**1492-SJ8A-4**		50	**1492-SJ8A-4**		50
Side Jumper — 3-pole	1492-SJ8A-3		50	1492-SJ8A-3		50
Side Jumper — 2-pole	1492-SJ8A-2		50	1492-SJ8A-2		50
End Anchor Top Marker Carrier✶	**1492-GMC**		50	**1492-GMC**		50
Cat. No. 1492-GMC Top Marker Tag	**1492-M5X30** (20/card)		5	**1492-M5X30** (20/card)		5
Marking Systems: Snap-in marker cards (Handle)	**1492-M7X12** (108/card)		5	**1492-M7X12** (108/card)		5
Snap-in marker cards (Handle)	**1492-MR6X8** (120/card)		5	**1492-MR6X8** (120/card)		5
Snap-in marker cards (Side)	**1492-M6X5** (200/card)		5	**1492-M6X5** (200/card)		5

❄ IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

✶ The Bulletin 1492-GMC marker carrier installs directly on the top of a 1492-EAJ35 end anchor or a 1492-ERL35 end retainer for group marking purposes.

	1492-JC3			1492-JDC3		
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	*Feed-Through terminal block with 2 plug-in comb connections on one side.*			*Two Circuit terminal block with plug-in comb connection on one side of each circuit.*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	300V AC/DC		250V AC/DC	300V AC/DC		250V AC/DC
Maximum Current	20 A	10 A	10 A (2 x 8)	20 A (2 x 10)	24 A	17.5 A
Wire Range (Rated Cross Section)	#22…12 AWG	#26…12 AWG	2.5 mm²	#22…12 AWG	#26…12 AWG	2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Recommended Tightening Torque	4.5 lb•in (0.5 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)		
Housing Temperature Range	-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.**	
Color: Grey	**1492-JC3**	50		**1492-JDC3**	50	
Socket Strips	**Cat. No.**	**Pkg Qty.**		**Cat. No.**	**Pkg Qty.**	
Color/Quantity Black/2-Pole	**1492-QP5-2**	100		**1492-QP5-2**	100	
Black/3-Pole	**1492-QP5-3**	100		**1492-QP5-3**	100	
Black/4-Pole	**1492-QP5-4**	100		**1492-QP5-4**	100	
Black/5-Pole	**1492-QP5-5**	50		**1492-QP5-5**	50	
Black/6-Pole	**1492-QP5-6**	50		**1492-QP5-6**	50	
Black/7-Pole	1492-QP5-7	50		1492-QP5-7	50	
Black/8-Pole	**1492-QP5-8**	50		**1492-QP5-8**	50	
Black/9-Pole	**1492-QP5-9**	50		**1492-QP5-9**	50	
Black/10-Pole	**1492-QP5-10**	50		**1492-QP5-10**	50	
Black/11-Pole	1492-QP5-11	50		1492-QP5-11	50	
Black/12-Pole	**1492-QP5-12**	50		**1492-QP5-12**	50	
Accessories	**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	
Barrier Kit (Start/End)	**1492-BKJC3**	1∗		**1492-BKJDC3**	1∗	
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: Screw Center Jumper — 10-pole	**1492-CJJ5-10**	20		—	—	
Screw Center Jumper — 4-pole	**1492-CJJ5-4**	50		—	—	
Screw Center Jumper — 3-pole	**1492-CJJ5-3**	50		—	—	
Screw Center Jumper — 2 pole	**1492-CJJ5-2**	50		—	—	
Screw Type Jumper Notching Tool	**1492-T1**	1		—	—	
Other Accessories: Open Pin Cover	**1492-PCJC3**	20		**1492-PCJC3**	20	
Group Marking Carrier	**1492-GM35**	25		**1492-GM35**	25	
Marking Systems: Snap-in marker cards	**1492-M5X12** (144/card)	5		**1492-M5X12** (144/card)	5	
Individual Marker Tabs (Single Char.)	**1492-M5X5** (200/card)	5		**1492-M5X5** (200/card)	5	

∗ One kit consists of 10 start barriers and 10 end barriers. Barriers are required on both ends.

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Screw Connection Terminal Blocks

Short-Circuit Current Ratings

Fuse Ratings

Cat. No.	Wire Range Cu [AWG]		Overcurrent Protection Fuse Required Class/Max. Current Rating [A]						Maximum Voltage [V]	SCCR, RMS SYM [A]
	Line	Load	J	T	RK1	RK5	G	CC		
1492-J3	14…12	14…12	30	30	—	—	30	30	600	100,000
1492-J3P										
1492-JD3SS										
1492-JD3										
1492-JD3C										
1492-JG3TW										
1492-JDG3C										
1492-JG3										
1492-J3F	14…12	14…12	30	30	—	—	30	30	300	100,000
1492-J3TW										
1492-JC3										
1492-JDC3										
1492-JKD3										
1492-JD3FB										
1492-JD3F										
1492-JDG3FB										
1492-JD3PSSTP										
1492-JD3PTP										
1492-JDG3P										
1492-JDG3PSS										
1492-JDG3PSSTP										
1492-JDG3PTP										
1492-JDG3										
1492-JD3PSS										
1492-JD3P										
1492-J4	14…10	14…10	60	60	30	—	60	30	600	100,000
1492-JG4										
1492-JKD4										
1492-J4TW										
1492-J4Q										
1492-JG4TW										
1492-JG4Q										
1492-JKD4TW										
1492-JKD4Q										
1492-JKD4TP										
1492-JD4C										
1492-JD4										
1492-JKD4QTP										
1492-JKD4TWTP										
1492-JSD4	14…10	14…10	60	60	30	—	60	30	300	100,000
1492-JKD4										
1492-J4CTB										
1492-J6	14…8	14…8	100	100	60	30	60	30	600	100,000
1492-JG6										
1492-J10	14…6	14…6	100	100	60	30	60	30	600	100,000
1492-JG10										
1492-J16	14…4	14…4	100	100	60	30	60	30	600	100,000
1492-JG16										
1492-J16ND										
1492-J35	12…1/0	12…1/0	200	200	100	30	60	30	600	100,000
1492-JG35										
1492-J50	6…1/0	6…1/0	200	200	100	30	60	30	600	100,000
1492-JG50										
1492-J70	1/0...3/0	1/0...3/0	400	400	200	100	60	30	600	100,000
1492-JG70										
1492-J120	4…4/0	4…4/0	400	400	200	100	60	30	600	100,000
1492-JG120										

Overcurrent Ratings

Cat. No.	Wire Range Cu [AWG] (Line and Load)	Overcurrent Protection Device Required	Max. Current [A]	SCCR, RMS Sym A 480Y/277V	SCCR, RMS Sym. A 600Y/347V
1492-J3	14…12	140M-D8E-__	16	65,000	30,000
1492-JG3TW		140M-C2E-B10		65,000	30,000
1492-J3P		140M-C2E-B16		65,000	30,000
1492-J3		140M-C2E-B25		65,000	30,000
1492-JD3		140M-C2E-B40		65,000	25,000
1492-JD3C		140M-C2E-B63		65,000	*
1492-JD3SS		140M-C2E-A__		65,000	30,000
1492-JDG3C		140M-C2E-C10		65,000	*
1492-JG3		140MC2E-C16		30,000	*
1492-J4	14…10	140M-F8E-__	32	65,000	30,000
1492-JG4		140M-D8E-C10		65,000	30,000
1492-J4TW		140M-D8E-C16		65,000	30,000
1492-J4Q		140M-D8E-C20		65,000	*
1492-JG4TW		140M-D8E-C25		30,000	*
1492-JG4Q		140M-D8E-B__		65,000	30,000
1492-JKD4TW		140M-C2E-B10		65,000	30,000
1492-JKD4Q		140M-C2E-B16		65,000	30,000
1492-JKD4TP		140M-C2E-B25		65,000	30,000
1492-JD4C		140M-C2E-B40		65,000	25,000
1492-JD4		140M-C2E-B63		65,000	*
1492-JKD4QTP		140M-C2E-C10		65,000	*
1492-JKD4TWTP		140M-C2E-C16		30,000	*
		140M-C2E-A__		65,000	30,000
1492-J6	14…8	140M-F8E-__	32	65,000	30,000
1492-JG6		140M-D8E-C10		65,000	30,000
		140M-D8E-C16		65,000	30,000
		140M-D8E-C20		65,000	*
		140M-D8E-C25		30,000	*
		140M-D8E-B__		65,000	30,000
		140M-C2E-B10		65,000	30,000
		140M-C2E-B16		65,000	30,000
		140M-C2E-B25		65,000	30,000
		140M-C2E-B40		65,000	25,000
		140M-C2E-B63		65,000	*
		140M-C2E-C10		65,000	*
		140M-C2E-C16		30,000	*
		140M-C2E-A__		65,000	30,000

* Bulletin 140M does not have ratings at this voltage.

Screw Connection Terminal Blocks

Short-Circuit Current Ratings — Overcurrent Ratings

Cat. No.	Wire Range Cu [AWG] (Line and Load)	Overcurrent Protection Device Required	Max. Current [A]	SCCR, RMS Sym A 480Y/277V	SCCR, RMS Sym. A 300V+
1492-J3TW	14…12	140M-D8E-__	16	65,000	30,000
1492-JC3		140M-C2E-B10		65,000	30,000
1492-JDC3		140M-C2E-B16		65,000	30,000
1492-J3F		140M-C2E-B25		65,000	30,000
1492-JD3F		140M-C2E-B40		65,000	25,000
1492-JKD3		140M-C2E-B63		65,000	✶
1492-JD3FB		140M-C2E-A__		65,000	30,000
1492-JDG3FB		140M-C2E-C10		65,000	✶
1492-JD3PSSTP		140MC2E-C16		30,000	✶
1492-JD3PTP					
1492-JDG3P					
1492-JDG3PSS					
1492-JDG3PSSTP					
1492-JDG3PTP					
1492-JDG3					
1492-JD3P					
1492-JD3PSS					
1492-JKD4	14…10	140M-F8E-__	32	65,000	30,000
1492-JSD4		140M-D8E-C10		65,000	30,000
1492-J4CTB		140M-D8E-C16		65,000	30,000
		140M-D8E-C20		65,000	✶
		140M-D8E-C25		30,000	✶
		140M-D8E-B__		65,000	30,000
		140M-C2E-B10		65,000	30,000
		140M-C2E-B16		65,000	30,000
		140M-C2E-B25		65,000	30,000
		140M-C2E-B40		65,000	25,000
		140M-C2E-B63		65,000	✶
		140M-C2E-C10		65,000	✶
		140M-C2E-C16		30,000	✶
		140M-C2E-A__		65,000	30,000

Cat. No.	Wire Range Cu [AWG] (Line and Load)	Overcurrent Protection Device Required	Max. Current [A]	SCCR, RMS Sym A 480V+	SCCR, RMS Sym. A 600Y 347V+
1492-J10	14…10	140M-H8P-__	50	50,000	30,000
1492-JG10					
1492-J16	14…4	140M-H8P-__	100	30,000	30,000
1492-JG16					
1492-J16ND					
1492-J35	12…2	140M-H8P-__	100	50,000	30,000
1492-JG35					
1492-J50	2…1/0	140M-H8P-__	150	65,000	30,000
1492-JG50					

Cat. No.	Wire Range Cu [AWG] (Line and Load)	Overcurrent Protection Device Required	Max. Current [A]	SCCR, RMS Sym A 480V+	SCCR, RMS Sym. A 600V+
1492-J70	4…1/0	140U-J0X3	175	65,000	✶
	1/0	140U-J0X3		✶	30,000
1492-J120	2…3/0	140U-J0X3	228	65,000	30,000

✶ Bulletin 140M does not have ratings at this voltage.
+ Voltage terminal block was tested at for respective SCCR

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

Introduction

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

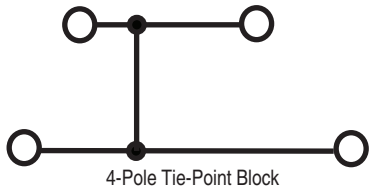
The Bulletin 1492-L line of internationally approved spring-clamp IEC-style terminal blocks offers a variety of products that can make any application:

- 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

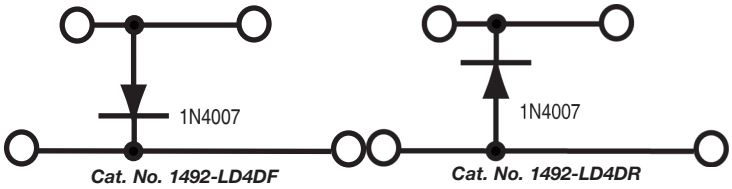
- **Feed-Through Blocks**, accommodating wire sizes from #30…#2 AWG (0.2…35 mm²)
- **Grounding Blocks** for grounding a given circuit to the DIN Rail
- **Multi-Circuit Blocks** for doubling circuit wiring density
- **Isolation Blocks** for circuit isolation during testing and troubleshooting
- **Plug-In 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)



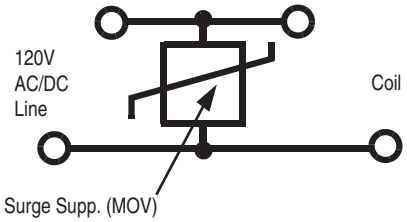
Diode Block
(Cat. Nos. 1492-LD4DF, 1492-LD4DR)

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.



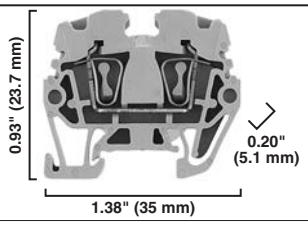
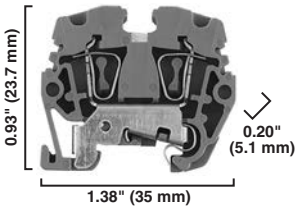
- **Test Blocks** for allowing a bank of pluggable terminal strips to be easily connected for test purposes
- A wide variety of snap-in markers are available for individual or group circuit identification
- A broad offering of accessories such as screwless end retainers, electrical warning plates, end 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, polymide 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

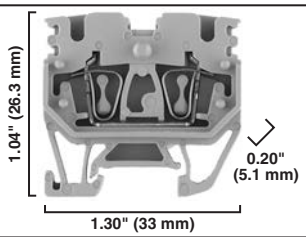
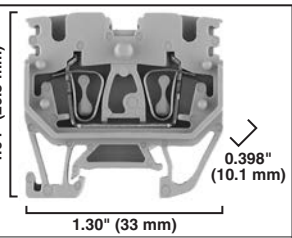
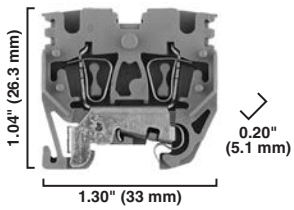
Note: To ensure proper wire termination, these blocks are designed to accept only **one** wire per terminal.

		1492-LMJ3				1492-LMJG3		
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		*Mini rail-mount, feed-through terminal block with jumper capability*				*Mini rail-mount grounding terminal block*		
Certifications		cULus	CSA	IEC	ATEX	cULus	CSA	IEC
Voltage Rating		600V AC/DC		500V AC/DC	275V AC/DC	—	—	—
Maximum Current		20 A		24 A	20 A	Grounding		
Wire Range (Rated Cross Section)		#26…12 AWG		2.5 mm²	#20…12 AWG	#26…12 AWG		2.5 mm²
Wire Strip Length		0.39 in. (10 mm)				0.39 in. (10 mm)		
Density		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)		
Terminal Blocks		**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color	Grey	**1492-LMJ3**			100	—		—
	Blue	**1492-LMJ3-B**			100	—		—
	Green/Yellow	—			—	**1492-LMJG3**		100
Accessories		**Cat. No.**			**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Mounting Rails 1 m Symmetrical DIN (Steel)		**1492-DR3**			5	**1492-DR3**		5
Screwless End Retainer	Grey	**1492-ERL15**			20	**1492-ERL15**		20
End Anchor	Grey	**1492-EAJ15**			50	**1492-EAJ15**		50
Jumpers Plug-in Center Jumper — 50-Pole		**1492-CJLJ5-50**			10	—		—
Plug-in Center Jumper — 10-Pole		**1492-CJLJ5-10**			20	—		—
Plug-in Center Jumper — 9-Pole		1492-CJLJ5-9			20	—		—
Plug-in Center Jumper — 8-Pole		**1492-CJLJ5-8**			20	—		—
Plug-in Center Jumper — 7-Pole		**1492-CJLJ5-7**			20	—		—
Plug-in Center Jumper — 6-Pole		**1492-CJLJ5-6**			20	—		—
Plug-in Center Jumper — 5-Pole		**1492-CJLJ5-5**			20	—		—
Plug-in Center Jumper — 4-Pole		**1492-CJLJ5-4**			60	—		—
Plug-in Center Jumper — 3-Pole		**1492-CJLJ5-3**			60	—		—
Plug-in Center Jumper — 2-Pole		**1492-CJLJ5-2**			60	—		—
Side Jumper — 2-Pole		**1492-SJLM5-2**			50	—		—
Side Jumper Installation Tool		1492-TAL5-2			1	—		—
End Barriers	Grey	**1492-EBLMJ3**			50	**1492-EBLMJ3**		50
	Blue	1492-EBLMJ3-B			50	1492-EBLMJ3-B		50
	Yellow	1492-EBLMJ3-Y			50	1492-EBLMJ3-Y		50
Marking Systems Snap-in Marker Cards		**1492-SM5X10** (144/card)			5	**1492-SM5X10** (144/card)		5
Snap-In Marker Cards*		**1492-M5X5** (200/card)			5	**1492-M5X5** (200/card)		5
Hinged marker cards*		**1492-MH5X10** (96/card)			5	**1492-MH5X10** (96/card)		5

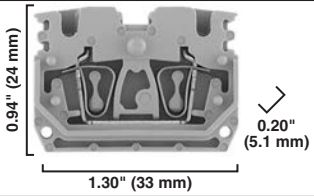
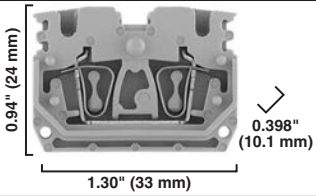
* Markers can be installed over center jumper channel, with or without center jumper installed.

Spring-Clamp Connection Terminal Blocks

Mini-Blocks, Interlocking, 600V UL Rated

	1492-LM3	1492-LM3Q	1492-LMG3
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	*Mini rail-mount, feed-through terminal block*	*Mini rail-mount, feed-through terminal block with 2 connection points on each side*	*Mini rail-mount grounding terminal block*
Certifications	cULus / CSA / IEC	cULus / CSA / IEC	cULus / CSA / IEC
Voltage Rating	600V AC/DC / 600V AC/DC / 800V AC/DC	600V AC/DC / 600V AC/DC / 800V AC/DC	— / — / —
Maximum Current	20 A / 25 A / 24 A	20 A / 25 A / 24 A	Grounding
Wire Range (Rated Cross Section)	#26…12 AWG / 2.5 mm²	#26…12 AWG / 2.5 mm²	#26…12 AWG / 2.5 mm²
Wire Strip Length	0.39 in. (10 mm)	0.39 in. (10 mm)	0.39 in. (10 mm)
Density	59 pcs/ft (196 pcs/m)	30 pcs/ft (99 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	**1492-LM3**	100	**1492-LM3Q**	100	—	—
	Blue	1492-LM3-B	100	1492-LM3Q-B	100	—	—
	Green/Yellow	—	—	—	—	**1492-LMG3**	100
Accessories		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails 1 m Symmetrical Mini DIN (Steel)		**1492-DR3**	5	**1492-DR3**	5	**1492-DR3**	5
Screwless End Retainer	Grey	**1492-ERL15**	20	**1492-ERL15**	20	**1492-ERL15**	20
End Anchor	Grey	**1492-EAJ15**	50	**1492-EAJ15**	50	**1492-EAJ15**	50
Jumpers Side Jumper — 2-Pole		**1492-SJLM5-2**	50	**1492-SJLM5-2**	50	—	—
Side Jumper Installation Tool		1492-TAL5-2	1	1492-TAL5-2	1	—	—
End Barriers	Grey	**1492-EBLM3**	50	**1492-EBLM3**	50	**1492-EBLM3**	50
	Blue	1492-EBLM3-B	50	1492-EBLM3-B	50	1492-EBLM3-B	50
	Yellow	1492-EBLM3-Y	50	1492-EBLM3-Y	50	1492-EBLM3-Y	50
Marking Systems Snap-In Marker Cards		**1492-M5X10** (144/card)	5	**1492-M5X10** (144/card)	5	**1492-M5X10** (144/card)	5
Snap-In Marker Cards		**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5
Hinged Marker Cards		**1492-MH5X10** (96/card)	5	**1492-MH5X10** (96/card)	5	**1492-MH5X10** (96/card)	5

		1492-LMP3 ❄			1492-LMP3Q ❄		
Dimensions are not intended to be used for manufacturing purposes. **Note:** One end block and one end barrier or two end barriers must be used on each end of a terminal bank to provide mounting slots.							
Specifications		*Mini surface mount feed-through terminal block*			*Mini surface mount, feed-through terminal block with 2 connection points on each side*		
Certifications		cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating		600V AC/DC		800V AC/DC	600V AC/DC		800V AC/DC
Maximum Current		20 A	25 A	24 A	20 A	25 A	24 A
Wire Range (Rated Cross Section)		#26…12 AWG		2.5 mm²	#26…12 AWG		2.5 mm²
Wire Strip Length		0.39 in. (10 mm)			0.39 in. (10 mm)		
Density		59 pcs/ft (196 pcs/m)			30 pcs/ft (99 pcs/m)		
Housing Temperature Range		-58…+248 °F (-50…+120 °C)			-58…+248 °F (-50…+120 °C)		
Terminal Blocks		**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color	Grey	**1492-LMP3**		100	**1492-LMP3Q**		100
	Blue	1492-LMP3-B		100	1492-LMP3Q-B		100
End Terminal Blocks (with Mounting Brackets) Color	Grey	1492-LMP3E		50	1492-LMP3QE		50
	Blue	1492-LMP3E-B		50	1492-LMP3QE-B		50
Accessories		**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Mounting Foot✶		1492-MFLM		50	1492-MFLM		50
Jumpers Side Center Jumper — 2-Pole		**1492-SJLM5-2**		50	**1492-SJLM5-2**		50
Side Jumper Installation Tool		1492-TAL5-2		1	1492-TAL5-2		1
End Barriers (with Mounting Slots)	Grey	**1492-EBLMP3**		50	**1492-EBLMP3**		50
	Blue	1492-EBLMP3-B		50	1492-EBLMP3-B		50
Marking Systems Snap-In Marker Cards		**1492-M5X10** (144/card)		5	**1492-M5X10** (144/card)		5
Snap-In Marker Cards		**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5
Hinged Marker Cards		**1492-MH5X10** (96/card)		5	**1492-MH5X10** (96/card)		5

❄ For a grouping of terminal blocks, use 1 end terminal block, select the number of terminal blocks, and use 1 end barrier. You can also use a group of terminal blocks with an end barrier on each end.

✶ Allows mounting to 15 mm and 35 mm DIN Rail. Recommended spacing is every fifth block on Cat. No. 1492-LMP3 and every third block on Cat. No. 1492-LMP3Q.

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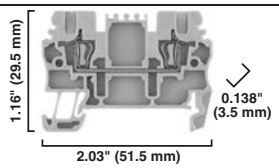
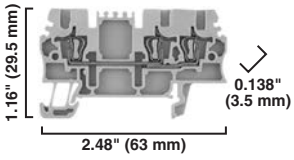
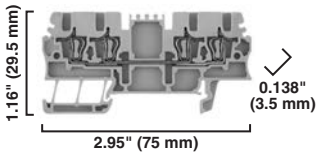
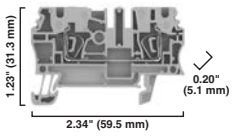
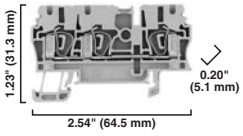
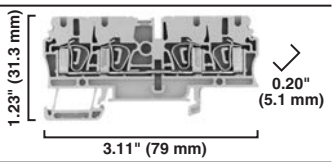
Spring-Clamp Connection Terminal Blocks

Standard Feed-Through Blocks

	1492-L2				1492-L2T				1492-L2Q			
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	*Feed-through terminal block*				*Feed-through terminal block with 2 connection points on one side*				*Feed-through terminal block with 2 connection points per side*			
Certifications		CSA	IEC	ATEX		CSA	IEC	ATEX		CSA	IEC	ATEX
Voltage Rating	300V AC/DC		500V AC/DC	550V AC/DC	300V AC/DC		500V AC/DC	550V AC/DC	300V AC/DC		500V AC/DC	550V AC/DC
Maximum Current	15 A	20 A	17.5 A	15 A	15 A	20 A	17.5 A	15 A	15 A	20 A	17.5 A	15 A
Wire Range (Rated Cross Section)	#26…14 AWG		1.5 mm²	1.5 mm²	#26…14 AWG		1.5 mm²	1.5 mm²	#26…14 AWG		1.5 mm²	1.5 mm²
Wire Strip Length	0.39 in. (10 mm)				0.39 in. (10 mm)				0.39 in. (10 mm)			
Density	87 pcs/ft (285 pcs/m)				87 pcs/ft (285 pcs/m)				87 pcs/ft (285 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	**1492-L2**			50	**1492-L2T**			50	**1492-L2Q**			50
Red	**1492-L2-RE**			50	1492-L2T-RE			50	1492-L2Q-RE			50
Blue	**1492-L2-B**			50	**1492-L2T-B**			50	**1492-L2Q-B**			50
Black	1492-L2-BL			50	1492-L2T-BL			50	1492-L2Q-BL			50
Green	**1492-L2-G**			50	1492-L2T-G			50	1492-L2Q-G			50
Yellow	1492-L2-Y			50	1492-L2T-Y			50	1492-L2Q-Y			50
Orange	1492-L2-OR			50	1492-L2T-OR			50	1492-L2Q-OR			50
Brown	1492-L2-BR			50	1492-L2T-BR			50	1492-L2Q-BR			50
White	1492-L2-W			50	1492-L2T-W			50	1492-L2Q-W			50
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 Barriers Grey	**1492-EBL2**			50	**1492-EBL2T**			50	**1492-EBL2Q**			50
Blue	**1492-EBL2-B**			50	1492-EBL2T-B			50	**1492-EBL2Q-B**			50
Yellow	**1492-EBL2-Y**			50	**1492-EBL2T-Y**			50	1492-EBL2Q-Y			50
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-CJL4-10**			20	**1492-CJL4-10**			20	**1492-CJL4-10**			20
Plug-in Center Jumper — 5-Pole	**1492-CJL4-5**			60	**1492-CJL4-5**			60	**1492-CJL4-5**			60
Plug-in Center Jumper — 4-Pole	**1492-CJL4-4**			60	**1492-CJL4-4**			60	**1492-CJL4-4**			60
Plug-in Center Jumper — 3-Pole	**1492-CJL4-3**			60	**1492-CJL4-3**			60	**1492-CJL4-3**			60
Plug-in Center Jumper — 2-Pole	**1492-CJL4-2**			60	**1492-CJL4-2**			60	**1492-CJL4-2**			60
Other Accessories Reducing Sleeves #28…#24 AWG (0.13…0.2 mm²) White	1492-PSL2-2			100	1492-PSL2-2			100	1492-PSL2-2			100
Reducing Sleeves #22…20 AWG (0.25…0.5 mm²) Grey	1492-PSL2-5			100	1492-PSL2-5			100	1492-PSL2-5			100
Test Plug (Stackable)	**1492-TPL4**			25	**1492-TPL4**			25	**1492-TPL4**			25
Electrical Warning Plate	1492-EWPL4			20	1492-EWPL4			20	1492-EWPL4			20
Marking Systems Snap-In Marker Cards	**1492-M3X12** (120/card)			5	**1492-M3X12** (120/card)			5	**1492-M3X12** (120/card)			5
Snap-In Marker Cards	**1492-M3X5** (100/card)			5	**1492-M3X5** (100/card)			5	**1492-M3X5** (100/card)			5

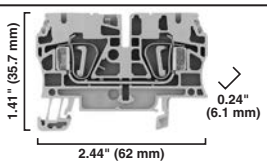
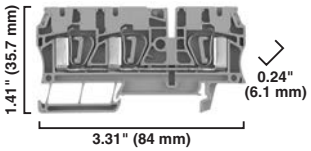
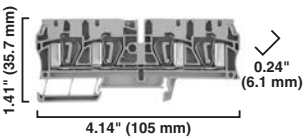
	1492-L3				1492-L3T				1492-L3Q			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.												
Specifications	*Feed-through terminal block*				*Feed-through terminal block with 3 connection points, 2 on one side*				*Feed-through terminal block with 2 points on each side*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC
Maximum Current	25 A	27 A	24 A	21 A	25 A	27 A	24 A	21 A	25 A	27 A	24 A	21 A
Wire Range (Rated Cross Section)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)
Wire Strip Length	0.39 in. (10 mm)				0.39 in. (10 mm)				0.39 in. (10 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)			
Short-Circuit Current Rating (SCCR)	See page 12-78											

Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color	Grey	**1492-L3**	100	**1492-L3T**	100	**1492-L3Q**	100
	Red	**1492-L3-RE**	100	**1492-L3T-RE**	100	**1492-L3Q-RE**	100
	Blue	**1492-L3-B**	100	**1492-L3T-B**	100	**1492-L3Q-B**	100
	Black	**1492-L3-BL**	100	**1492-L3T-BL**	100	**1492-L3Q-BL**	100
	Green	**1492-L3-G**	100	**1492-L3T-G**	100	**1492-L3Q-G**	100
	Yellow	**1492-L3-Y**	100	**1492-L3T-Y**	100	**1492-L3Q-Y**	100
	Orange	**1492-L3-OR**	100	**1492-L3T-OR**	100	1492-L3Q-OR	100
	Brown	**1492-L3-BR**	100	1492-L3T-BR	100	1492-L3Q-BR	100
	White	**1492-L3-W**	100	**1492-L3T-W**	100	**1492-L3Q-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 Barriers Grey	**1492-EBL3**	50	**1492-EBL3T**	50	**1492-EBL3Q**	50
Blue	**1492-EBL3-B**	50	**1492-EBL3T-B**	50	**1492-EBL3Q-B**	50
Yellow	**1492-EBL3-Y**	50	**1492-EBL3T-Y**	50	**1492-EBL3Q-Y**	50
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 — 50-Pole	**1492-CJK5-50**	10	**1492-CJK5-50**	10	**1492-CJK5-50**	10
Plug-in Center Jumper — 10-Pole	**1492-CJK5-10**	20	**1492-CJK5-10**	20	**1492-CJK5-10**	20
Plug-in Center Jumper — 9-Pole	**1492-CJK5-9**	20	**1492-CJK5-9**	20	**1492-CJK5-9**	20
Plug-in Center Jumper — 8-Pole	**1492-CJK5-8**	20	**1492-CJK5-8**	20	**1492-CJK5-8**	20
Plug-in Center Jumper — 7-Pole	**1492-CJK5-7**	20	**1492-CJK5-7**	20	**1492-CJK5-7**	20
Plug-in Center Jumper — 6-Pole	**1492-CJK5-6**	20	**1492-CJK5-6**	20	**1492-CJK5-6**	20
Plug-in Center Jumper — 5-Pole	**1492-CJK5-5**	20	**1492-CJK5-5**	20	**1492-CJK5-5**	20
Plug-in Center Jumper — 4-Pole	**1492-CJK5-4**	60	**1492-CJK5-4**	60	**1492-CJK5-4**	60
Plug-in Center Jumper — 3-Pole	**1492-CJK5-3**	60	**1492-CJK5-3**	60	**1492-CJK5-3**	60
Plug-in Center Jumper — 2-Pole	**1492-CJK5-2**	60	**1492-CJK5-2**	60	**1492-CJK5-2**	60
Other Accessories Reducing Sleeves #30…#24 AWG (0.13…0.2 mm²) White	1492-PSL3-2	100	1492-PSL3-2	100	1492-PSL3-2	100
Reducing Sleeves #22…#20 AWG (0.25…0.5 mm²) Grey	1492-PSL3-5	100	1492-PSL3-5	100	1492-PSL3-5	100
Reducing Sleeves #18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL3-10	100	1492-PSL3-10	100	1492-PSL3-10	100
Test Plug	**1492-TP23**	20	**1492-TP23**	20	**1492-TP23**	20
Test Plug (Stackable)	**1492-TPL5**	25	**1492-TPL5**	25	**1492-TPL5**	25
Electrical Warning Plate	**1492-EWPL5**	20	**1492-EWPL5**	20	**1492-EWPL5**	20
Marking Systems Snap-In Marker Cards	**1492-M5X10** (144/card)	5	**1492-M5X10** (144/card)	5	**1492-M5X10** (144/card)	5
Snap-In Marker Cards	**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5
Hinged Marker Cards	**1492-MH5X10** (96/card)	5	**1492-MH5X10** (96/card)	5	**1492-MH5X10** (96/card)	5
Hinged Marker Cards	**1492-MH5X15** (96/card)	5	**1492-MH5X15** (96/card)	5	**1492-MH5X15** (96/card)	5

Spring-Clamp Connection Terminal Blocks

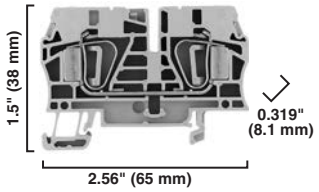
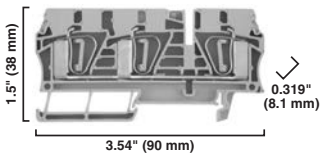
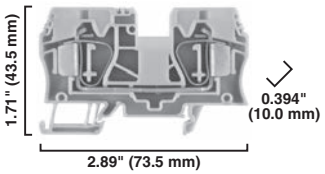
Standard Feed-Through Blocks

	1492-L4	1492-L4T	1492-L4Q
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	*Feed-through terminal block*	*Feed-through terminal block with 3 connection points, 2 on one side*	*Feed-through terminal block with 2 connection points on each side*

Certifications		CSA	IEC	ATEX		CSA	IEC	ATEX		CSA	IEC	ATEX
Voltage Rating	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC
Maximum Current	33 A	35 A	32 A	28 A	33 A	35 A	32 A	28 A	33 A	35 A	32 A	28 A
Wire Range (Rated Cross Section)	#26…10 AWG		4 mm²	4 mm² (20… 10 AWG)	#26…10 AWG		4 mm²	4 mm² (20… 10 AWG)	#26…10 AWG		4 mm²	4 mm² (20… 10 AWG)
Wire Strip Length	0.47 in. (12 mm)				0.47 in. (12 mm)				0.47 in. (12 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)			
Short-Circuit Current Rating	See page 12-78											

Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color	Grey	**1492-L4**	50	**1492-L4T**	50	**1492-L4Q**	50
	Red	**1492-L4-RE**	50	1492-L4T-RE	50	**1492-L4Q-RE**	50
	Blue	**1492-L4-B**	50	**1492-L4T-B**	50	**1492-L4Q-B**	50
	Black	**1492-L4-BL**	50	1492-L4T-BL	50	1492-L4Q-BL	50
	Green	**1492-L4-G**	50	**1492-L4T-G**	50	1492-L4Q-G	50
	Yellow	**1492-L4-Y**	50	1492-L4T-Y	50	1492-L4Q-Y	50
	Orange	1492-L4-OR	50	1492-L4T-OR	50	1492-L4Q-OR	50
	Brown	**1492-L4-BR**	50	1492-L4T-BR	50	1492-L4Q-BR	50
	White	**1492-L4-W**	50	1492-L4T-W	50	1492-L4Q-W	50

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 Barriers Grey	**1492-EBL4**	50	**1492-EBL4T**	50	**1492-EBL4Q**	50
Blue	**1492-EBL4-B**	50	1492-EBL4T-B	50	1492-EBL4Q-B	50
Yellow	**1492-EBL4-Y**	50	1492-EBL4T-Y	50	**1492-EBL4Q-Y**	50
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 Reducing Sleeves #26…#24 AWG (0.13…0.2 mm²) White	1492-PSL4-2	100	1492-PSL4-2	100	1492-PSL4-2	100
Reducing Sleeves #20…#22 AWG (0.25…0.5 mm²) Grey	1492-PSL4-5	100	1492-PSL4-5	100	1492-PSL4-5	100
Reducing Sleeves #18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL4-10	100	1492-PSL4-10	100	1492-PSL4-10	100
Test Plug	**1492-TP23**	20	**1492-TP23**	20	**1492-TP23**	20
Test Plug (Stackable)	1492-TPL6	25	1492-TPL6	25	1492-TPL6	25
Electrical Warning Plate	1492-EWPL6	20	1492-EWPL6	20	1492-EWPL6	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
Hinged Marker Cards	**1492-MH6X12** (80/card)	5	**1492-MH6X12** (80/card)	5	**1492-MH6X12** (80/card)	5

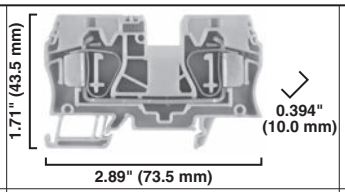
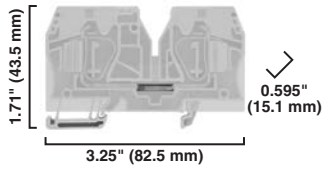
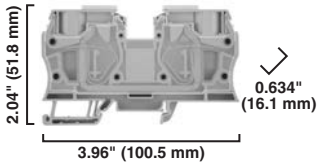
	1492-L6				1492-L6T				1492-L10			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.												
Specifications	*Feed-through terminal block*				*Feed-through terminal block with 2 connection points on one side*				*Feed-through terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC
Maximum Current	50 A		41 A	36 A	50 A		41 A	36 A	60 A	55 A	57 A	50 A
Wire Range (Rated Cross Section)	#22…8 AWG	#20… 8 AWG	6 mm²	6 mm² (20… 8 AWG)	#22…8 AWG	#20… 8 AWG	6 mm²	6 mm² (#20… 10 AWG)	#16…6 AWG		10 mm²	10 mm² (16… 8 AWG)
Wire Strip Length	0.51 in. (13 mm)				0.51 in. (13 mm)				0.70 in. (18 mm)			
Density	37 pcs/ft (123 pcs/m)				37 pcs/ft(123 pcs/m)				30 pcs/ft (99 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 12-78											
Terminal Blocks	**Cat. No.**		**Pkg Qty.**		**Cat. No.**		**Pkg Qty.**		**Cat. No.**		**Pkg Qty.**	
Color Grey	**1492-L6**		50		**1492-L6T**		50		**1492-L10**		25	
Red	**1492-L6-RE**		50		**1492-L6T-RE**		50		1492-L10-RE		25	
Blue	1492-L6-B		50		**1492-L6T-B**		50		1492-L10-B		25	
Black	**1492-L6-BL**		50		**1492-L6T-BL**		50		**1492-L10-BL**		25	
Green	**1492-L6-G**		50		**1492-L6T-G**		50		1492-L10-G		25	
Yellow	1492-L6-Y		50		1492-L6T-Y		50		1492-L10-Y		25	
Orange	1492-L6-OR		50		1492-L6T-OR		50		1492-L10-OR		25	
Brown	1492-L6-BR		50		1492-L6T-BR		50		1492-L10-BR		25	
White	**1492-L6-W**		50		1492-L6T-W		50		1492-L10-W		25	
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 Barriers Grey	**1492-EBL6**		50		**1492-EBL6T**		50		**1492-EBL10**		20	
Blue	1492-EBL6-B		50		1492-EBL6T-B		50		1492-EBL10-B		20	
Yellow	**1492-EBL6-Y**		50		**1492-EBL6T-Y**		50		**1492-EBL10-Y**		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 — 32-Pole	**1492-CJL8-32**		10		**1492-CJL8-32**		10		—		—	
Plug-in Center Jumper — 4-Pole	**1492-CJL8-4**		60		**1492-CJL8-4**		60		—		—	
Plug-in Center Jumper — 3-Pole	**1492-CJL8-3**		60		**1492-CJL8-3**		60		—		—	
Plug-in Center Jumper — 2-Pole	**1492-CJL8-2**		60		**1492-CJL8-2**		60		**1492-CJL10-2**		25	
Other Accessories Test Plug	—		—		—		—		**1492-TP23**		20	
Test Plug (Stackable)	1492-TPL8		25		1492-TPL8		25		—		—	
Electrical Warning Plate	1492-EWPL8		20		1492-EWPL8		20		1492-EWPL10		20	
Marking Systems Snap-In Marker Cards*	**1492-M6X12** (120/card)		5		**1492-M6X12** (120/card)		5		**1492-M6X12** (120/card)		5	
Snap-In Marker Cards	**1492-MR8X12** (84/card)		5		**1492-M8X5** (160/card)		5		**1492-M8X5** (160/card)		5	
Hinged Marker Cards	**1492-MH6X12** (80/card)		5		**1492-MH6X12** (80/card)		5		**1492-MH5X15** (96/card)		5	

* May only be mounted in terminal block corner marking positions.

12

Spring-Clamp Connection Terminal Blocks

Standard Feed-Through Blocks

	1492-L16	1492-L16D∗	1492-L35
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	*Feed-through terminal block*				*Power distribution block with center jumper connection/feed*			*Feed-through terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	cULus	CSA	IEC	ATEX
Voltage Rating	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		500V AC/DC	600V AC/DC		800V AC/DC	690V AC/DC
Maximum Current	65 A		76 A	66 A	65 A		76 A	120 A		125 A	109 A
Wire Range (Rated Cross Section)	#14…4 AWG		16 mm²	16 mm² (16…6 AWG)	#14…4 AWG		16 mm²	#12…2 AWG		35 mm²	35 mm² 14…2 AWG
Wire Strip Length	0.70 in. (18 mm)				0.70 in. (18 mm)			0.98 in. (25 mm)			
Density	25 pcs/ft (82 pcs/m)				20 pcs/ft (66 pcs/m)			18 pcs/ft (62 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 12-78										

Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color	Grey	**1492-L16**	25	**1492-L16D∗**	20	**1492-L35**	10
	Red	1492-L16-RE	25	—	—	1492-L35-RE	10
	Blue	1492-L16-B	25	—	—	1492-L35-B	10
	Black	1492-L16-BL	25	—	—	1492-L35-BL	10
	Green	1492-L16-G	25	—	—	1492-L35-G	10
	Yellow	1492-L16-Y	25	—	—	1492-L35-Y	10
	Orange	1492-L16-OR	25	—	—	1492-L35-OR	10
	Brown	1492-L16-BR	25	—	—	1492-L35-BR	10
	White	1492-L16-W	25	—	—	1492-L35-W	10

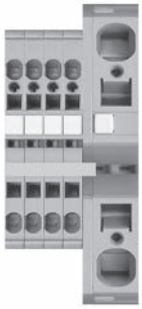
Accessories	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails 1 m Symmetrical DIN (Steel)	**199-DR1**	10	**199-DR1**	10	**199-DR1**	10
1 m Symmetrical Heavy Duty DIN (Steel, Unslotted)	**199-DR4**	5	**199-DR4**	5	**199-DR4**	5
1 m Symmetrical DIN (Aluminum)	**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
1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	1492-DR8	5	1492-DR8	5	1492-DR8	5
1 m Symmetrical Heavy Duty DIN (Steel Slotted)	**1492-DR9**	5	**1492-DR9**	5	**1492-DR9**	5
End Barriers Grey	**1492-EBL16**	20	Integrated to Block	—	Integrated to Block	—
Blue	1492-EBL16-B	20	—	—	—	—
Yellow	**1492-EBL16-Y**	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 — 2-Pole	**1492-CJL12-2**	25	❄	—	**1492-CJL16-2**	10
Other Accessories Test Plug	**1492-TP23**	20	**1492-TP23**	20	**1492-TP23**	20
Test Adapter	—	—	—	—	—	—
Electrical Warning Plate	1492-EWPL12	20	1492-EWPL12	20	1492-EWPL16	20
Marking Systems Snap-In Marker Cards‡	**1492-M7X12** (108/card)	5	**1492-M7X12** (108/card)	5	**1492-M7X12** (108/card)	5
Snap-In Marker Cards	**1492-M8X5** (160/card)	5	**1492-M8X5** (160/card)	5	**1492-M8X5** (160/card)	5
Hinged Marker Cards	**1492-MH5X15** (96/card)	5	**1492-MH5X15** (96/card)	5	**1492-MH5X15** (96/card)	5

∗ Can be electrically connected through center jumper for power distribution to 1492 - L3, L3Q, L4, L4T, L4Q, L6, and L6T terminal blocks. See page 12-55 for distribution guidelines.

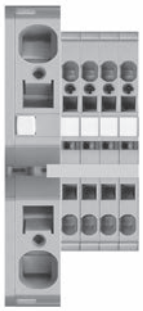
❄ Use defined center jumper for standard terminal blocks when connecting for power distribution.

‡ May only be mounted in terminal block corner marking positions.

Feed Left:

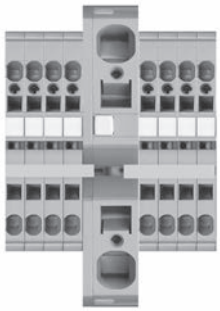


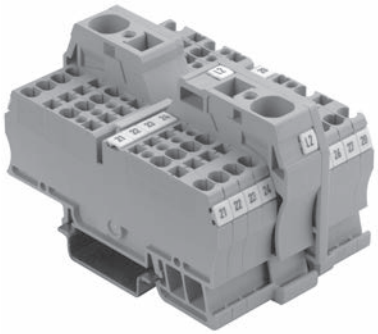
Feed Right:



The Cat. No. 1492-L16D feed terminal allows wires with a cross section from 4…14 AWG and up to 16 mm² to be used. Using standard cross connections, the potential can be distributed to any number of terminals with smaller cross sections. The following tables show some variants for potential distribution of the supply, the required cross connection, and the maximum current. The maximum current for the single terminal block must not be exceeded.

Feed Middle:





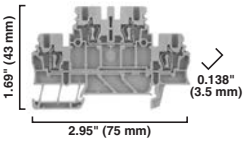
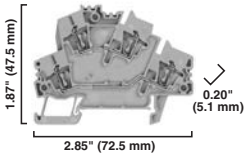
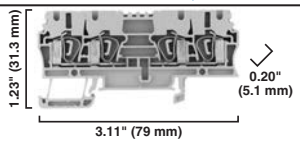
Feed Left				Feed Middle				Feed Right			
Feed Terminal	Feed	I_{max}	Jumper	Feed Terminal	Feed	I_{max}	Jumper	Feed Terminal	Feed	I_{max}	Jumper
1492-L3	4…14 AWG (16 mm²)	62 A	1492-CJK5-∗	1492-L3	#4…14 AWG (16 mm²)	76 A	1492-CJK5-∗	1492-L3	#4…14 AWG (16 mm²)	62 A	1492-CJK5-∗
1492-L3Q		62 A	1492-CJK5-∗	1492-L3Q		76 A	1492-CJK5-∗	1492-L3Q		62 A	1492-CJK5-∗
1492-L4		76 A	1492-CJK6-∗	1492-L4		76 A	1492-CJK6-∗	1492-L4		76 A	1492-CJK6-∗
								1492-L4T		76 A	1492-CJK6-∗
								1492-L4Q		76 A	1492-CJK6-∗
1492-L6		76 A	1492-CJL8-∗	1492-L6		76 A	1492-CJL8-∗	1492-L6		76 A	1492-CJL8-∗
								1492-L6T		76 A	1492-CJL8-∗

∗ See accessory section for availability of specific jumper pole configurations.

12

Spring-Clamp Connection Terminal Blocks

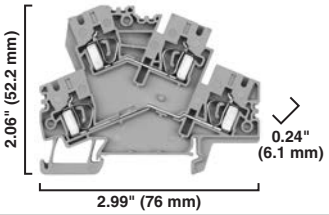
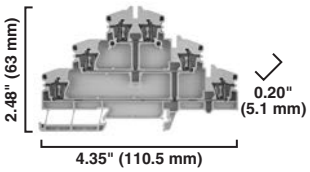
Multi-Circuit Feed-Through Blocks

	1492-LD2			1492-LD3				1492-L3QS			
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-circuit feed-through terminal block*			*Two-circuit feed-through terminal block*				*Side-by-side two circuit terminal block*			
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	300V AC/DC	600V AC/DC	500V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC
Maximum Current	10 A		17.5 A	20 A	25 A	24 A	20 A	25 A	27 A	24 A	21 A
Wire Range (Rated Cross Section)	#28… 16 AWG		1.5 mm²	#30… 12 AWG		2.5 mm²	0.5…2.5 mm² (#20…14 AWG)	#26… 12 AWG		2.5 mm²	2.5 mm² (20… 12 AWG)
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)				0.39 in. (10 mm)			
Density	87 pcs/ft (285 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	**1492-LD2**	50	**1492-LD3**	25	**1492-L3QS**	50
	Red	1492-LD2-RE	50	**1492-LD3-RE**	25	1492-L3QS-RE	50
	Blue	**1492-LD2-B**	50	**1492-LD3-B**	25	1492-L3QS-B	50
	Black	1492-LD2-BL	50	1492-LD3-BL	25	1492-L3QS-BL	50
	Green	1492-LD2-G	50	1492-LD3-G	25	1492-L3QS-G	50
	Yellow	1492-LD2-Y	50	1492-LD3-Y	25	1492-L3QS-Y	50
	Orange	1492-LD2-OR	50	1492-LD3-OR	25	1492-L3QS-OR	50
	Brown	1492-LD2-BR	50	1492-LD3-BR	25	1492-L3QS-BR	50
	White	1492-LD2-W	50	1492-LD3-W	25	1492-L3QS-W	50

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 Barriers Grey	**1492-EBLD2**	50	**1492-EBLD3**	20	**1492-EBL3Q**	50
Blue	1492-EBLD2-B	20	1492-EBLD3-B	20	**1492-EBL3Q-B**	50
Yellow	1492-EBLD2-Y	20	**1492-EBLD3-Y**	20	**1492-EBL3Q-Y**	50
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 — 50-Pole	—	—	**1492-CJK5-50**	10	—	—
Plug-in Center Jumper — 10-Pole	**1492-CJL4-10**	20	**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-CJL4-5**	60	**1492-CJK5-5**	20	—	—
Plug-in Center Jumper — 4-Pole	**1492-CJL4-4**	60	**1492-CJK5-4**	60	—	—
Plug-in Center Jumper — 3-Pole	**1492-CJL4-3**	60	**1492-CJK5-3**	60	—	—
Plug-in Center Jumper — 2-Pole	**1492-CJL4-2**	60	**1492-CJK5-2**	60	—	—
Other Accessories Reducing Sleeves #28…24 AWG (0.13…0.2 mm²)	1492-PSL2-2	100	1492-PSLS2-2	100	1492-PSL3-2	100
Reducing Sleeves #22…20 AWG (0.25…0.5 mm²)	1492-PSL2-5	100	1492-PSLS2-5	100	1492-PSL3-5	100
Reducing Sleeves #18 AWG (0.75…1.0 mm²)	—	—	—	—	1492-PSL3-10	100
Test Plug	**1492-TPL4**	25	—	—	**1492-TP23**	20
					1492-TPL5	25
Electrical Warning Plate	1492-EWPL4	20	—	—	**1492-EWPL5**	20
Marking Systems Snap-In Marker Cards	**1492-M3X12** (120/card)*	5	**1492-M5X10** (144/card)	5	**1492-M5X10** (144/card)	5
	1492-M3X5 (100/card)	5	**1492-M5X5** (200/card)	5	**1492-M5X5** (200/card)	5
Hinged Marker Cards	—	—	—	—	**1492-MH5X10** (96/card)	5

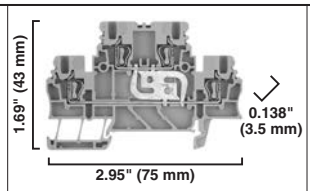
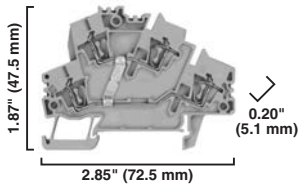
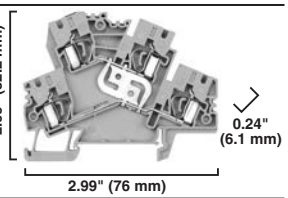
* May only be mounted in terminal block corner marking positions.

	1492-LD4			1492-LTF3		
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-circuit feed-through terminal block*			*Three-circuit feed-through terminal block with multiple cross connection points*		
Certifications		CSA	IEC		CSA	IEC
Voltage Rating	600V AC/DC		800V AC/DC	300V AC/DC		500V AC/DC
Maximum Current	25 A	30 A	32 A	15 A		20 A
Wire Range (Rated Cross Section)	#26…10 AWG		4 mm²	#26…12 AWG		2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Density	49 pcs/ft (163 pcs/m)			59 pcs/ft (196 pcs/m)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)			-58…+248 °F (-50…+120 °C)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color Grey	**1492-LD4**		20	**1492-LTF3**		25
Red	1492-LD4-RE		20	—		—
Blue	**1492-LD4-B**		20	—		—
Black	1492-LD4-BL		20	—		—
Green	1492-LD4-G		20	—		—
Yellow	**1492-LD4-Y**		20	—		—
Orange	**1492-LD4-OR**		20	—		—
Brown	1492-LD4-BR		20	—		—
White	**1492-LD4-W**		20	—		—
Accessories	**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-EBLD4**		20	**1492-EBLTF3**		20
Blue	**1492-EBLD4-B**		20	—		—
Yellow	1492-EBLD4-Y		20	—		—
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-CJK6-10**		20	**1492-CJK5-10**		20
Plug-in Center Jumper — 9-Pole	1492-CJK6-9		20	**1492-CJK5-9**		20
Plug-in Center Jumper — 8-Pole	**1492-CJK6-8**		20	**1492-CJK5-8**		20
Plug-in Center Jumper — 7-Pole	1492-CJK6-7		20	**1492-CJK5-7**		20
Plug-in Center Jumper — 6-Pole	**1492-CJK6-6**		20	**1492-CJK5-6**		20
Plug-in Center Jumper — 5-Pole	**1492-CJK6-5**		20	**1492-CJK5-5**		20
Plug-in Center Jumper — 4-Pole	**1492-CJK6-4**		60	**1492-CJK5-4**		60
Plug-in Center Jumper — 3-Pole	**1492-CJK6-3**		60	**1492-CJK5-3**		60
Plug-in Center Jumper — 2-Pole	**1492-CJK6-2**		60	**1492-CJK5-2**		60
Vertical Cross Connector*	—		—	**1492-CJL5D**		20
Other Accessories Reducing Sleeves 26…24 AWG (0.13…0.2 mm²)	—		—	1492-PSLTF3-2		100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²)	—		—	1492-PSLTF3-5		100
Test Plug	**1492-TP23**		20	—		—
Electrical Warning Plate	1492-EWPL6		20	—		—
Marking Systems Snap-In Marker Cards	**1492-M6X10** (120/card)		5	**1492-SM5X10** (144/card)		5
Snap-In Marker Cards	**1492-M6X5** (200/card)		5	**1492-M5X5** (200/card)		5

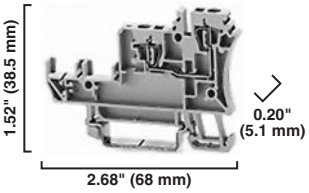
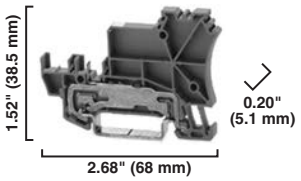
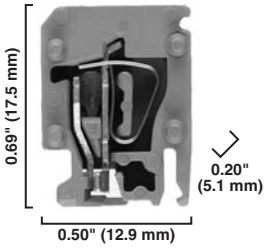
* Used to electrically connect 2 levels of 1492-LTF3

Spring-Clamp Connection Terminal Blocks

Specialty Feed-Through Blocks

	1492-LD2C			1492-LD3C				1492-LD4C		
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 feed-through terminal block with commoning bar*			*Two-level feed-through terminal block with commoning bar*				*Two-level feed-through terminal block with commoning bar*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	ATEX	cULus	CSA	IEC
Voltage Rating	300V AC/DC	600V AC/DC	500V AC/DC	600V AC/DC		800V AC/DC	550V AC/DC	600V AC/DC		800V AC/DC
Maximum Current	10 A		17.5 A	20 A	25 A	24 A	22 A	25 A	30 A	32 A
Wire Range (Rated Cross Section)	#28…16 AWG		1.5 mm²	#30…12 AWG		2.5 mm²	0.5…2.5 mm² (#20…14 AWG)	#26…10 AWG		4 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)				0.39 in. (10 mm)		
Density	87 pcs/ft (285 pcs/m)			59 pcs/ft (196 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: Grey	**1492-LD2C**		50	**1492-LD3C**		25		**1492-LD4C**		25
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 Barriers Grey	**1492-EBLD2**		50	**1492-EBLD3**		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 — 50-Pole	—		—	**1492-CJK5-50**		10		—		—
Plug-in Center Jumper — 10-Pole	**1492-CJL4-10**		20	**1492-CJK5-10**		20		**1492-CJK6-10**		20
Plug-in Center Jumper — 9-Pole	—		—	**1492-CJK5-9**		20		1492-CJK6-9		20
Plug-in Center Jumper — 8-Pole	—		—	**1492-CJK5-8**		20		**1492-CJK6-8**		20
Plug-in Center Jumper — 7-Pole	—		—	**1492-CJK5-7**		20		1492-CJK6-7		20
Plug-in Center Jumper — 6-Pole	—		—	**1492-CJK5-6**		20		**1492-CJK6-6**		20
Plug-in Center Jumper — 5-Pole	**1492-CJL4-5**		60	**1492-CJK5-5**		20		**1492-CJK6-5**		20
Plug-in Center Jumper — 4-Pole	**1492-CJL4-4**		60	**1492-CJK5-4**		60		**1492-CJK6-4**		60
Plug-in Center Jumper — 3-Pole	**1492-CJL4-3**		60	**1492-CJK5-3**		60		**1492-CJK6-3**		60
Plug-in Center Jumper — 2-Pole	**1492-CJL4-2**		60	**1492-CJK5-2**		60		**1492-CJK6-2**		60
Other Accessories: Reducing Sleeves 28…24 AWG (0.13…0.2 mm²) White	1492-PSL2-2		100	1492-PSLS2-2		100		—		—
Reducing Sleeves 22…20 AWG (0.13…0.2 mm²) Grey	1492-PSL2-5		100	1492-PSLS2-5		100		—		—
Test Plug	**1492-TPL4**		25	—		—		**1492-TP23**		20
Electrical Warning Plate	1492-EWPL4		20	—		—		1492-EWPL6		20
Marking Systems: Snap-In Marker Cards	**1492-M3X12** (120/card)*		5	**1492-M5X10** (144/card)		5		**1492-M6X10** (120/card)		5
Snap-In Marker Cards	**1492-M3X5** (100/card)		5	**1492-M5X5** (200/card)		5		**1492-M6X5** (200/card)		5

* May only be mounted in terminal block corner marking positions.

	1492-LS2-3∗ 1492-LS2-3L∗	1492-LSG2-3∗	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	*3 conductor sensor block base for plug in distribution blocks*			*3 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 mm²	#26…14 AWG		1.5 mm²	#26…14 AWG		1.5 mm²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.31 in. (8 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)		

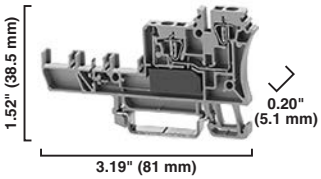
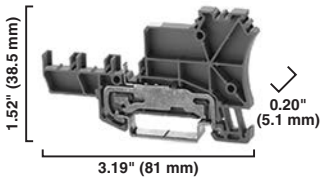
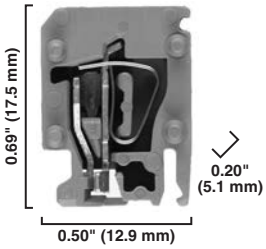
Terminal Blocks		**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color:	Grey (Without LED)	**1492-LS2-3**	50	—	—	—	—
	Grey (With LED)	**1492-LS2-3L**	50	—	—	—	—
	Green/Yellow	—	—	1492-LSG2-3	20	**1492-LSG2**	100
	Brown	—	—	—	—	**1492-LS2-BR**	100
	Blue	—	—	—	—	**1492-LS2-B**	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-EBLS2-3**	50	**1492-EBLS2-3**	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 mm²) White	1492-PSLS2-2	100	—	—	1492-PSLS2-2	100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) 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 two distribution blocks must be used with each base block.

Spring-Clamp Connection Terminal Blocks

Sensor Blocks — 4-Wire

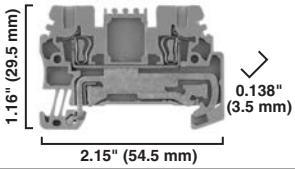
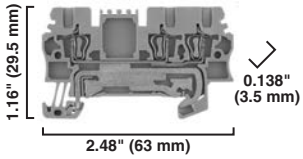
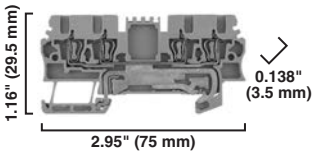
	1492-LS2-4∗ 1492-LS2-4L∗	1492-LSG2-4∗	1492-LS2-BR 1492-LS2-B 1492-LSG2
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.			

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 mm²	#26…14 AWG		1.5 mm²	#26…14 AWG		1.5 mm²
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

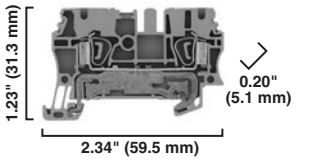
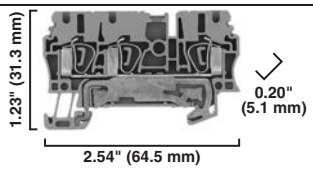
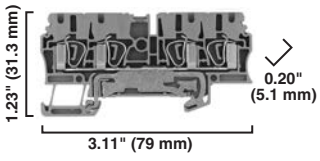
Accessories	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: 1 m Symmetrical DIN (Steel)	**199-DR1**	10	**199-DR1**	10	—	—
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10	**1492-DR5**	10	—	—
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2	**1492-DR6**	2	—	—
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 mm²) White	1492-PSLS2-2	100	—	—	1492-PSLS2-2	100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) 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	—	—

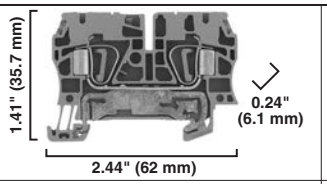
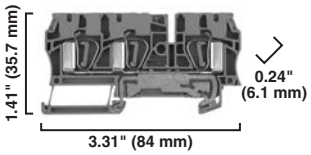
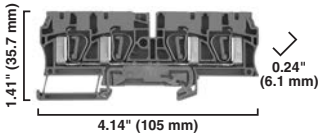
∗ A combination of three distribution blocks must be used with each base block.

	1492-LG2				1492-LG2T				1492-LG2Q			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block with 2 points on one side*				*Feed-through grounding terminal block with 2 points on each side*			
Certifications	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding			
Wire Range (Rated Cross Section)	#26…14 AWG		1.5 mm²	1.5 mm² (20…16 AWG)	#26…14 AWG		1.5 mm²	1.5 mm² (20…16 AWG)	#26…14 AWG		1.5 mm²	1.5 mm² (20…16 AWG)
Wire Strip Length	0.39 in. (10 mm)				0.39 in. (10 mm)				0.39 in. (10 mm)			
Density	87 pcs/ft (285 pcs/m)				87 pcs/ft (285 pcs/m)				87 pcs/ft (285 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: Green/Yellow	**1492-LG2**			50	**1492-LG2T**			50	**1492-LG2Q**			50
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 Yellow	**1492-EBL2-Y**			50	**1492-EBL2T-Y**			50	1492-EBL2Q-Y			50
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
Other Accessories: Reducing Sleeves 28…24 AWG (0.13…0.2 mm²) White	1492-PSL2-2			100	1492-PSL2-2			100	1492-PSL2-2			100
Reducing Sleeves 22…20 AWG (0.13…0.2 mm²) Grey	1492-PSL2-5			100	1492-PSL2-5			100	1492-PSL2-5			100
Test Plug (Stackable)	**1492-TPL4**			25	**1492-TPL4**			25	**1492-TPL4**			25
Marking Systems: Snap-In Marker Cards	**1492-M3X12** (120/card)			5	**1492-M3X12** (120/card)			5	**1492-M3X12** (120/card)			5
Snap-In Marker Cards	**1492-M3X5** (100/card)			5	**1492-M3X5** (100/card)			5	**1492-M3X5** (100/card)			5

Spring-Clamp Connection Terminal Blocks

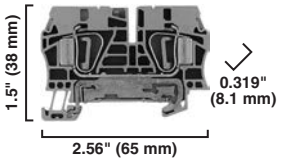
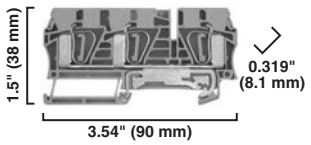
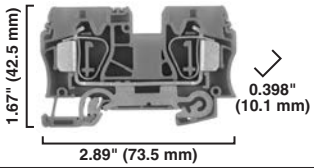
Grounding Blocks

	1492-LG3				1492-LG3T				1492-LG3Q			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block with 2 points on one side*				*Feed-through grounding terminal block with 2 points on each side*			
Certifications	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX	UL	CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding			
Wire Range (Rated Cross Section)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)	#30…12 AWG	#26…12 AWG	2.5 mm²	2.5 mm² (20…12 AWG)
Wire Strip Length	0.39 in. (10 mm)				0.39 in. (10 mm)				0.39 in. (10 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: Green/Yellow	**1492-LG3**		50		**1492-LG3T**		50		**1492-LG3Q**		50	
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 Symmetrical Heavy Duty DIN (Steel)	199-DR9		5		199-DR9		5		199-DR9		5	
End Barrier Yellow	**1492-EBL3-Y**		50		**1492-EBL3T-Y**		50		**1492-EBL3Q-Y**		50	
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	
Other Accessories: Reducing Sleeves 30…24 AWG (0.13…0.2 mm²) White	1492-PSL3-2		100		1492-PSL3-2		100		1492-PSL3-2		100	
Reducing Sleeves 22…20 AWG 0.25…0.5 mm²) Grey	1492-PSL3-5		100		1492-PSL3-5		100		1492-PSL3-5		100	
Reducing Sleeves 18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL3-10		100		1492-PSL3-10		100		1492-PSL3-10		100	
Test Plug	**1492-TP23**		20		**1492-TP23**		20		**1492-TP23**		20	
Test Plug (Stackable)	**1492-TPL5**		25		**1492-TPL5**		25		**1492-TPL5**		25	
Marking Systems: Snap-In Marker Cards	**1492-M5X10** (144/card)		5		**1492-M5X10** (144/card)		5		**1492-M5X10** (144/card)		5	
Snap-In Marker Cards	**1492-M5X5** (200/card)		5		**1492-M5X5** (200/card)		5		**1492-M5X5** (200/card)		5	
Hinged Marker Cards	**1492-MH5X10** (96/card)		5		**1492-MH5X10** (96/card)		5		**1492-MH5X10** (96/card)		5	
Hinged Marker Cards	**1492-MH5X15** (96/card)		5		**1492-MH5X15** (96/card)		5		**1492-MH5X15** (96/card)		5	

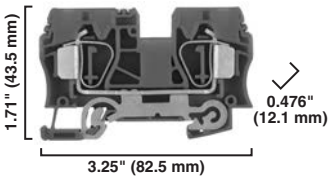
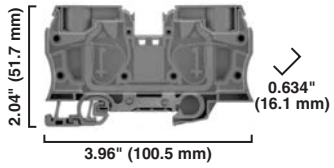
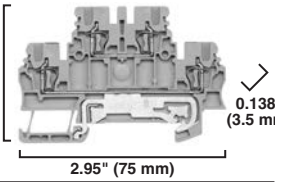
	1492-LG4				1492-LG4T				1492-LG4Q			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.												
Specifications	*Feed-through grounding terminal block*				*Feed-through grounding terminal block with 2 points on one side*				*Feed-through grounding terminal block with 2 points on each side*			
Certifications		**CSA**	**IEC**	**ATEX**		**CSA**	**IEC**	**ATEX**		**CSA**	**IEC**	**ATEX**
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding			
Wire Range (Rated Cross Section)	#26…10 AWG		4 mm²	4 mm² (20… 10 AWG)	#26…10 AWG		4 mm²	4 mm² (20… 12 AWG)	#26…10 AWG		4 mm²	4 mm² (20… 12 AWG)
Wire Strip Length	0.47 in. (12 mm)				0.47 in. (12 mm)				0.47 in. (12 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: Green/Yellow	**1492-LG4**			50	**1492-LG4T**			50	**1492-LG4Q**			50
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 Yellow	**1492-EBL4-Y**			50	1492-EBL4T-Y			50	**1492-EBL4Q-Y**			50
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
Other Accessories: Reducing Sleeves 26…24 AWG (0.13…0.2 mm²) White	1492-PSL4-2			100	1492-PSL4-2			100	1492-PSL4-2			100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) Grey	1492-PSL4-5			100	1492-PSL4-5			100	1492-PSL4-5			100
Reducing Sleeves 18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL4-10			100	1492-PSL4-10			100	1492-PSL4-10			100
Test Plug	**1492-TP23**			20	**1492-TP23**			20	**1492-TP23**			20
Test Plug (Stackable)	1492-TPL6			25	1492-TPL6			25	1492-TPL6			25
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
Hinged Marker Cards	**1492-MH6X12** (80/card)			5	**1492-MH6X12** (80/card)			5	**1492-MH6X12** (80/card)			5

Spring-Clamp Connection Terminal Blocks

Grounding Blocks

	1492-LG6				1492-LG6T				1492-LG10			
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block with 2 points on one side*				*Feed-through grounding terminal block*			
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	—	—	—	—	—	—	—	—	—	—	—	—
Maximum Current	Grounding				Grounding				Grounding			
Wire Range (Rated Cross Section)	#22…8 AWG	#20…8 AWG	6 mm²	6 mm² (20… 8 AWG)	#22…8 AWG	#20…8 AWG	6 mm²	6 mm² (20… 10 AWG)	#16…6 AWG		10 mm²	10 mm² (16… 8 AWG)
Wire Strip Length	0.51 in. (13 mm)				0.51 in. (13 mm)				0.70 in. (18 mm)			
Density	37 pcs/ft (123 pcs/m)				37 pcs/ft (123 pcs/m)				30 pcs/ft (99 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: Green/Yellow	**1492-LG6**			50	**1492-LG6T**			50	**1492-LG10**			25
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 Yellow	**1492-EBL6-Y**			50	**1492-EBL6T-Y**			50	**1492-EBL10-Y**			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
Other Accessories: Test Plug	1492-TPL8			25	1492-TPL8			25	**1492-TP23**			20
Marking Systems: Snap-In Marker Cards*	**1492-MR8X12** (84/card)			5	**1492-M6X12** (120/card)			5	**1492-M6X12** (120/card)			5
Snap-In Marker Cards	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5
Hinged Marker Cards	**1492-MH6X12** (80/card)			5	**1492-MH6X12** (80/card)			5	**1492-MH5X15** (96/card)			5

* May only be mounted in terminal block corner marking positions.

	1492-LG16				1492-LG35				1492-LDG2		
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	*Feed-through grounding terminal block*				*Feed-through grounding terminal block*				*Two-circuit terminal block with 1 feed-through and 1 ground circuit*		
Certifications	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX	cULus	CSA	IEC
Voltage Rating	—	—	—	—	—	—	—	—	300V AC/DC		500V AC/DC
Maximum Current	Grounding				Grounding				10 A		17.5 A
Wire Range (Rated Cross Section)	#14…6 AWG	#14…4 AWG	16 mm²	16 mm² (16… 6 AWG)	#12…2 AWG		35 mm²	35 mm² (#14…2 AWG)	#28…16 AWG		1.5 mm²
Wire Strip Length	0.70 in. (18 mm)				0.98 in. (25 mm)				0.31 in. (8 mm)		
Density	25 pcs/ft (82 pcs/m)				18 pcs/ft (62 pcs/m)				87 pcs/ft (285 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: **Green/Yellow**	**1492-LG16**			25	**1492-LG35**			10	—		—
Grey	—			—	—			—	1492-LDG2		50
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 Heavy Duty DIN (Steel, Unslotted)	**199-DR4**			5	**199-DR4**			5	**199-DR4**		5
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
1 m Symmetrical Heavy Duty DIN (Copper, Unslotted)	1492-DR8			5	1492-DR8			5	1492-DR8		5
1 m Symmetrical Heavy Duty DIN (Steel)	**1492-DR9**			5	**1492-DR9**			5	**1492-DR9**		5
End Barrier Yellow	**1492-EBL16-Y**			20	Integrated			—	—		—
Grey	—			—	—			—	**1492-EBLD2**		50
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
Other Accessories: Reducing Sleeves 26…24 AWG (0.13…0.2 mm²) White	—			—	—			—	1492-PSL2-2		100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) Grey	—			—	—			—	1492-PSL2-5		100
Test Plug	**1492-TP23**			20	**1492-TP23**			20	**1492-TPL4**		25
Electrical Warning Plate	—			—	—			—	1492-EWPL4		20
Marking Systems: Snap-In Marker Cards*	**1492-M7X12** (108/card)			5	**1492-M7X12** (108/card)			5	**1492-M3X12** (120/card)		5
Snap-In Marker Cards	**1492-M8X5** (160/card)			5	**1492-M8X5** (160/card)			5	**1492-M3X5** (100/card)		5
Hinged Marker Cards	**1492-MH5X15** (96/card)			5	**1492-MH5X10** (96/card)			—	—		—

* May only be mounted in terminal block corner marking positions.

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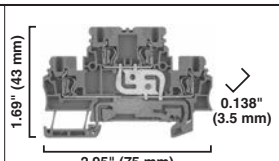
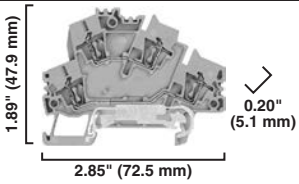
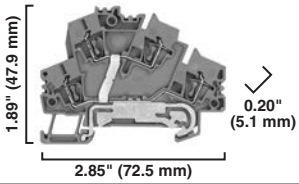
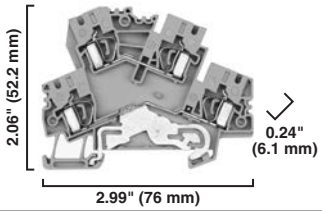
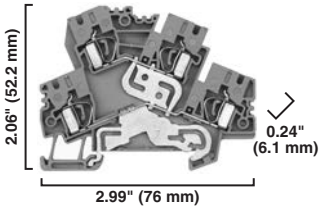
Spring-Clamp Connection Terminal Blocks

Grounding Blocks

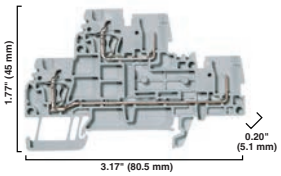
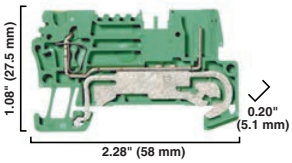
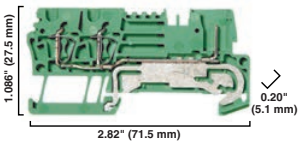
	1492-LDG2C			1492-LDG3				1492-LDG3C			
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.											
Specifications	*Single-circuit, two-level grounding terminal block with 2 connection points on each side*			*Two-circuit grounding terminal block with 1 feed-through and 1 ground circuit*				*Single-circuit, two-level grounding terminal block with 2 connection points on each side*			
Certifications	cULus	CSA	IEC	cULus	CSA	IEC	ATEX	cULus	CSA	IEC	ATEX
Voltage Rating	—	—	—	600V AC/DC		800V AC/DC	550V AC/DC	—	—	—	—
Maximum Current	Grounding			20 A	25 A	24 A	20 A	Grounding			
Wire Range (Rated Cross Section)	#28…16 AWG		1.5 mm²	#26…12 AWG	#30…12 AWG	2.5 mm²	0.5…2.5 mm² (#20…14 AWG)	#26…12 AWG	#30…12 AWG	2.5 mm²	0.5…2.5 mm² (20…14 AWG)
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)				0.39 in. (10 mm)			
Density	87 pcs/ft (285 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: Green/Yellow	1492-LDG2C		50	—		—		**1492-LDG3C**		25	
Grey	—		—	1492-LDG3		25		—		—	
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 Yellow	1492-EBLD2-Y		20	—		—		**1492-EBLD3-Y**		20	
Grey	—		—	**1492-EBLD3**		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	
Other Accessories: Reducing Sleeves 26…24 AWG (0.13…0.2 mm²) White	1492-PSL2-2		100	1492-PSLS2-2		100		1492-PSLS2-2		100	
Reducing Sleeves 22…20 AWG 0.25…0.5 mm²) Grey	1492-PSL2-5		100	1492-PSLS2-5		100		1492-PSLS2-5		100	
Test Plug (Stackable)	**1492-TPL4**		25	—		—		—		—	
Marking Systems: Snap-In Marker Cards	*	**1492-M3X12** (120/card)	5	**1492-M5X10** (144/card)		5		**1492-M5X10** (144/card)		5	
Snap-In Marker Cards	**1492-M3X5** (100/card)		5	**1492-M5X5** (200/card)		5		**1492-M5X5** (200/card)		5	

* May only be mounted in terminal block corner marking positions.

	1492-LDG4			1492-LDG4C		
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-circuit grounding terminal block with 1 feed-through and 1 ground circuit*			*Single-circuit, two-level grounding terminal block with 2 connection points on each side*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	600V AC/DC		800V AC/DC	—	—	—
Maximum Current	25 A	30 A	32 A	Grounding		
Wire Range (Rated Cross Section)	#26…10 AWG		4 mm²	#26…10 AWG		4 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Density	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)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Green/Yellow	—		—	**1492-LDG4C**		20
Grey	1492-LDG4		20	—		—
Accessories	**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 Symmetrical DIN (Aluminum)	**1492-DR6**		2	**1492-DR6**		2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**		2	**1492-DR7**		2
End Barrier Yellow	—		—	1492-EBLD4-Y		20
Grey	**1492-EBLD4**		20	—		—
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
Other Accessories: Test Plug	**1492-TP23**		20	—		—
Electrical Warning Plate	1492-EWPL6		20	—		—
Marking Systems: Snap-In Marker Cards	**1492-M6X10** (120/card)		5	**1492-M6X10** (120/card)		5
Snap-In Marker Cards	**1492-M6X5** (200/card)		5	**1492-M6X5** (200/card)		5

Spring-Clamp Connection Terminal Blocks

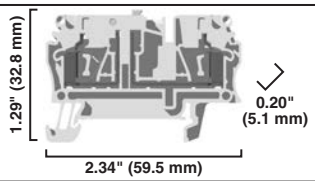
Plug-in Style Blocks

		1492-LD32P			1492-LG31P			1492-LG3T1P		
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-circuit terminal block with 1 fixed and 1 plug-in connection on each level. Plug-in connectors can be individual or grouped configurations.*			*Single-circuit grounding terminal block with 1 fixed and 1 plug-in connection.*			*Single-circuit grounding terminal block with 2 fixed and 1 plug-in connection.*		
Certifications		cULus	CSA	IEC	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating		300V AC/DC		500V AC/DC	—		—	—		—
Maximum Current		20 A		24 A	Grounding			Grounding		
Limited Rating - Voltage❄		600V AC/DC		—	—			—		
Limited Rating - Current❄		5 A		—	—			—		
Wire Range (Rated Cross Section)		26…12 AWG		0.5…2.5 mm²	26…12 AWG		0.5…2.5 mm²	26…12 AWG		0.5…2.5 mm²
Wire Strip Length		0.394 in (10 mm)			0.394 in (10 mm)			0.394 in (10 mm)		
Density	(Blocks per ft/m)	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.**		**Pcs/ Pkg**	**Cat. No.**		**Pcs/ Pkg**	**Cat. No.**		**Pcs/ Pkg**
Color	Grey	1492-LD32P		50	—		—	—		—
	Green/Yellow	—		—	1492-LG31P		50	1492-LG3T1P		50
Accessories		**Cat. No.**		**Pcs/ Pkg**	**Cat. No.**		**Pcs/ Pkg**	**Cat. No.**		**Pcs/ Pkg**
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-EBLD32P		50	—		—	—		—
	Yellow	—		—	1492-EBL31P-Y		50	1492-EBL3T1P-Y		50
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 Plug-in Center Jumper — 50 Pole		**1492-CJLJ5-50**		10	—		—	—		—
Plug-in Center Jumper — 10 Pole		**1492-CJLJ5-10**		20	—		—	—		—
Plug-in Center Jumper — 9 Pole		1492-CJLJ5-9		20	—		—	—		—
Plug-in Center Jumper — 8 Pole		**1492-CJLJ5-8**		20	—		—	—		—
Plug-in Center Jumper — 7 Pole		**1492-CJLJ5-7**		20	—		—	—		—
Plug-in Center Jumper — 6 Pole		**1492-CJLJ5-6**		20	—		—	—		—
Plug-in Center Jumper — 5 Pole		**1492-CJLJ5-5**		20	—		—	—		—
Plug-in Center Jumper — 4 Pole		**1492-CJLJ5-4**		60	—		—	—		—
Plug-in Center Jumper — 3 Pole		**1492-CJLJ5-3**		60	—		—	—		—
Plug-in Center Jumper — 2 Pole		**1492-CJLJ5-2**		60	—		—	—		—
Individual Plug-in Connector	Grey	1492-STP		50	—		—	—		—
	Green	1492-STP-G		50	1492-STP-G		50	1492-STP-G		50
Ganged Connector - Start Plug	Grey	1492-SBSTP		50	—		—	—		—
Ganged Connector - Middle Plug‡	Grey	1492-GSTP		50	—		—	—		—
Ganged Connector - End Plug	Grey	1492-EBSTP		50	—		—	—		—
Plug-In Component Accessories Locking Element	Yellow	1492-STPLE		25	1492-STPLE		25	1492-STPLE		25
Coding Element	Yellow	1492-STPCE		50	1492-STPCE		50	1492-STPCE		50
Strain Relief	Yellow	1492-STPSR		25	1492-STPSR		25	1492-STPSR		25
Group Marking Rail Mount Group Marking Carrier		**1492-GM35**		25	**1492-GM35**		25	**1492-GM35**		25
End Anchor Top Marker Carrier✶		**1492-GMC**		50	**1492-GMC**		50	**1492-GMC**		50
Cat. No. 1492-GMC Top Marker Tag		**1492-M5X30**(20/card)		5	**1492-M5X30**(20/card)		5	**1492-M5X30**(20/card)		5
Marking Systems Snap-in Marker Cards		**1492-MR5X12** (120/card)		5	**1492-MR5X12** (120/card)		5	**1492-MR5X12** (120/card)		5
Snap-In Marker Cards		**1492-MR5X8** (120/card)		5	**1492-MR5X8** (120/card)		5	**1492-MR5X8** (120/card)		5

✶ The Bulletin 1492-GMC marker carrier installs directly on the top of a 1492-EAJ35 end anchor or a 1492-ERL35 end retainer for group marking purposes.

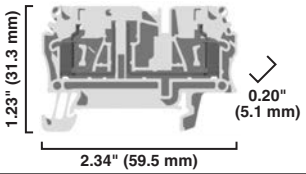
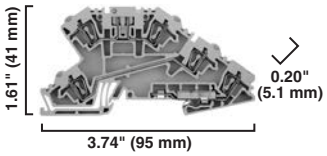
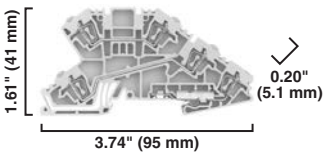
❄ Blocks contain dual UL/CSA listings and can be used at 300V with a 20 A rating or 600V with a 5 A rating.

‡ For ganged configurations greater than 2, use multiple 1492-GSTP plug-in blocks.

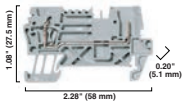
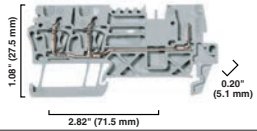
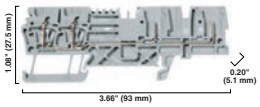
	1492-LKD3		
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.			
Specifications	*Knife disconnect feed-through terminal block*		
Certifications		**CSA**	**IEC**
Voltage Rating	600V AC/DC		500V AC/DC
Maximum Current	20 A		24 A
Wire Range (Rated Cross Section)	#30…12 AWG		2.5 mm²
Wire Strip Length	0.39 in. (10 mm)		
Density	59 pcs/ft (196 pcs/m)		
Housing Temperature Range	-58…+248 °F (-50…+120 °C)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**
Color Grey	**1492-LKD3**		25
Accessories	**Cat. No.**		**Pkg Qty.**
Mounting Rails 1 m Symmetrical DIN (Steel)	**199-DR1**		10
1 m Symmetrical DIN (Aluminum)	**1492-DR5**		10
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**		2
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**		2
End Barriers Grey	**1492-EBL3**		50
End Anchors and Retainers Screwless End Retainer	**1492-ERL35**		20
DIN Rail — Normal Duty	**1492-EAJ35**		100
DIN Rail — Heavy Duty	**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 mm²) White	1492-PSL3-2		100
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) Grey	1492-PSL3-5		100
Reducing Sleeves 18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL3-10		100
Test Plug	**1492-TP23**		20
Test Plug (Stackable)	**1492-TPL5**		25
Electrical Warning Plate	**1492-EWPL5**		20
Marking Systems Snap-In Marker Cards	**1492-M5X10** (144/card)		5
Snap-In Marker Cards	**1492-M5X5** (200/card)		5

Spring-Clamp Connection Terminal Blocks

Plug-In Style Blocks & Analog Loop Control Block

	1492-L3P	1492-LDG3P	1492-LDAG3
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 circuit plug-in component block for a variety of components*	*Terminal block with slot for plug-in component, feed-through circuit and 1 ground connection*	*Analog Loop Control Terminal Block with 2 Feed-Through Circuits and 1 Ground Connection*
Certifications	cULus, CSA, IEC	cULus, CSA, IEC	cULus, CSA, IEC
Voltage Rating	600V AC/DC; 500V AC/DC	300V AC/DC; 250V AC/DC	300V AC/DC; 250V AC/DC
Maximum Current	20 A; 24 A	10 A; 20 A	10 A; 24 A
Wire Range (Rated Cross Section)	#30…12 AWG; 4 mm²	#26…12 AWG; 2.5 mm²	#26…12 AWG; 2.5 mm²
Wire Strip Length	0.39 in. (10 mm)	0.31 in. (8 mm)	0.31 in. (8 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 — Color: Grey	**Cat. No.** / Pkg Qty.	**Cat. No.** / Pkg Qty.	**Cat. No.** / Pkg Qty.
	1492-L3P / 25	**1492-LDG3P** / 25	**1492-LDAG3** / 25
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	**1492-EBL3** / 50	**1492-EBLDAG3** / 20	**1492-EBLDAG3** / 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 — 50-pole	**1492-CJK5-50** / 10	**1492-CJLJ5-50** / 10	**1492-CJLJ5-50** / 10
Plug-In Center Jumper — 10-pole	**1492-CJK5-10** / 20	**1492-CJLJ5-10** / 20	**1492-CJLJ5-10** / 20
Plug-In Center Jumper — 9-pole	**1492-CJK5-9** / 20	1492-CJLJ5-9 / 20	1492-CJLJ5-9 / 20
Plug-In Center Jumper — 8-pole	**1492-CJK5-8** / 20	**1492-CJLJ5-8** / 20	**1492-CJLJ5-8** / 20
Plug-In Center Jumper — 7-pole	**1492-CJK5-7** / 20	**1492-CJLJ5-7** / 20	**1492-CJLJ5-7** / 20
Plug-In Center Jumper — 6-pole	**1492-CJK5-6** / 20	**1492-CJLJ5-6** / 20	**1492-CJLJ5-6** / 20
Plug-In Center Jumper — 5-pole	**1492-CJK5-5** / 20	**1492-CJLJ5-5** / 20	**1492-CJLJ5-5** / 20
Plug-In Center Jumper — 4-pole	**1492-CJK5-4** / 60	**1492-CJLJ5-4** / 60	**1492-CJLJ5-4** / 60
Plug-In Center Jumper — 3-pole	**1492-CJK5-3** / 60	**1492-CJLJ5-3** / 60	**1492-CJLJ5-3** / 60
Plug-In Center Jumper — 2-pole	**1492-CJK5-2** / 60	**1492-CJLJ5-2** / 60	**1492-CJLJ5-2** / 60
Other Accessories Disconnect Plug	**1492-DPL** / 50	**1492-DPL** / 50	— / —
Component Plug	**1492-CPL** / 50	**1492-CPL** / 50	— / —
Fuse Plug Without Blown Fuse Indicator	**1492-FPK2** / 20	**1492-FPK2** / 20	— / —
10…36V Blown Fuse Indicator	**1492-FPK224** / 20	* **1492-FPK224** / 20	— / —
35…70V Blown Fuse Indicator	1492-FPK248 / 20	* 1492-FPK248 / 20	— / —
60…150V Blown Fuse Indicator	**1492-FPK2120** / 20	* **1492-FPK2120** / 20	— / —
140…250V Blown Fuse Indicator	**1492-FPK2250** / 20	* **1492-FPK2250** / 20	— / —
Reducing Sleeves 28…24 AWG (0.13…0.2 mm²) White	1492-PSL3-2 / 100	— / —	— / —
Reducing Sleeves 22…20 AWG (0.25…0.5 mm²) Grey	1492-PSL3-5 / 100	— / —	— / —
Reducing Sleeves 18 AWG (0.75…1.0 mm²) Dark Grey	1492-PSL3-10 / 100	— / —	— / —
Test Plug	**1492-TPL5** / 25	**1492-TP23** / 20	— / —
Electrical Warning Plate	**1492-EWPL5** / 20	— / —	— / —
Marking Systems Snap-In Marker Cards	**1492-M5X10** (144/card) / 5	**1492-M5X10** (144/card) / 5	**1492-M5X10** (144/card) / 5
Snap-In Marker Cards	**1492-M5X5** (200/card) / 5	**1492-M5X5** (200/card) / 5	**1492-M5X5** (200/card) / 5

* When using Cat. No. 1492-LDG3P with a fuse plug, a center jumper cannot be used on the top level. The only jumper option to use in combination with a fuse plug is a 2-pole side jumper: Cat. No. 1492-SJLM5-2.

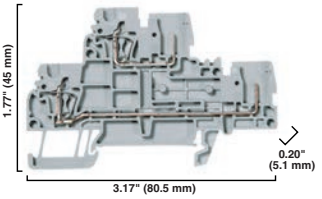
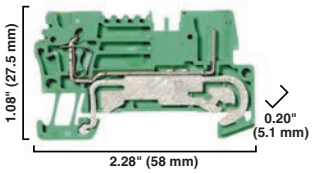
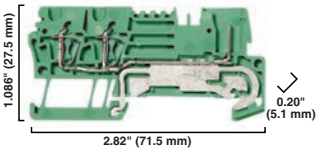
		1492-L31P		1492-L3T1P		1492-L3Q2P	
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.							
Specifications		*Single circuit terminal block with 1 fixed and 1 plug-in connection. Plug-in connectors can be individual or grouped configurations.*		*Single circuit terminal block with 2 fixed and 1 plug-in connection. Plug-in connectors can be individual or grouped configurations.*		*Single circuit terminal block with 2 fixed and 2 plug-in connections. Plug-in connectors can be individual or grouped configurations.*	
Certifications		cULus / CSA	IEC	cULus / CSA	IEC	cULus / CSA	IEC
Voltage Rating		300V AC/DC	500V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	500V AC/DC
Maximum Current		20 A	24 A	20 A	24 A	20 A	24 A
Limited Rating - Voltage❄		600V AC/DC	—	600V AC/DC	—	600V AC/DC —	-
Limited Rating - Current❄		5 A	—	5 A	—	5 A —	—
Wire Range (Rated Cross Section)		#26…12 AWG	0.5...2.5 mm²	#26…12 AWG	0.5...2.5 mm²	#26…12 AWG	0.5...2.5 mm²
Wire Strip Length		0.394 in. (10 mm)		0.394 in. (10 mm)		0.394 in. (10 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	1492-L31P	50	1492-L3T1P	50	1492-L3Q2P	50
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-EBL3Q2P	50	1492-EBL3T1P	50	1492-EBL3Q2P	50
	Yellow	1492-EBL31P-Y	50	1492-EBL3T1P-Y	50	-	-
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 Plug-In Center Jumper — 50-pole		**1492-CJLJ5-50**	10	**1492-CJLJ5-50**	10	**1492-CJLJ5-50**	10
Plug-In Center Jumper — 10-pole		**1492-CJLJ5-10**	20	**1492-CJLJ5-10**	20	**1492-CJLJ5-10**	20
Plug-In Center Jumper — 9-pole		1492-CJLJ5-9	20	1492-CJLJ5-9	20	1492-CJLJ5-9	20
Plug-In Center Jumper — 8-pole		**1492-CJLJ5-8**	20	**1492-CJLJ5-8**	20	**1492-CJLJ5-8**	20
Plug-In Center Jumper — 7-pole		**1492-CJLJ5-7**	20	**1492-CJLJ5-7**	20	**1492-CJLJ5-7**	20
Plug-In Center Jumper — 6-pole		**1492-CJLJ5-6**	20	**1492-CJLJ5-6**	20	**1492-CJLJ5-6**	20
Plug-In Center Jumper — 5-pole		**1492-CJLJ5-5**	20	**1492-CJLJ5-5**	20	**1492-CJLJ5-5**	20
Plug-In Center Jumper — 4-pole		**1492-CJLJ5-4**	60	**1492-CJLJ5-4**	60	**1492-CJLJ5-4**	60
Plug-In Center Jumper — 3-pole		**1492-CJLJ5-3**	60	**1492-CJLJ5-3**	60	**1492-CJLJ5-3**	60
Plug-In Center Jumper — 2-pole		**1492-CJLJ5-2**	60	**1492-CJLJ5-2**	60	**1492-CJLJ5-2**	60
Other Accessories Test Adapter		1492-TPL5P	25	1492-TPL5P	25	1492-TPL5P	25
Individual Plug-in Connector	Grey	1492-STP	50	1492-STP	50	1492-STP	50
	Green	1492-STP-G	50	1492-STP-G	50	1492-STP-G	50
Ganged Connector Start Plug	Grey	1492-SBSTP	50	1492-SBSTP	50	1492-SBSTP	50
Ganged Connector Middle Plug‡	Grey	1492-GSTP	50	1492-GSTP	50	1492-GSTP	50
Ganged Connector End Plug	Grey	1492-EBSTP	50	1492-EBSTP	50	1492-EBSTP	50
Plug-in Component Accessories Locking Element - Yellow		1492-STPLE	25	1492-STPLE	25	1492-STPLE	25
Coding Element - Yellow		1492-STPCE	50	1492-STPCE	50	1492-STPCE	50
Strain Relief - Yellow		1492-STPSR	25	1492-STPSR	25	1492-STPSR	25
Marking Systems Snap-In Marker Cards		**1492-MR5X12** (120/card)	5	**1492-MR5X12** (120/card)	5	**1492-MR5X12** (120/card)	5
Snap-In Marker Cards		**1492-M5X8** (120/card)	5	**1492-M5X8** (120/card)	5	**1492-M5X8** (120/card)	5

❄ Terminal Blocks contain dual UL/CSA listings and can be used at 300V with a 20 A rating or 600V with a 5 A rating.

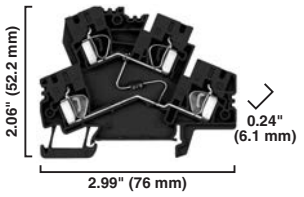
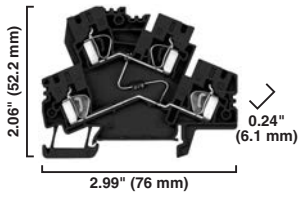
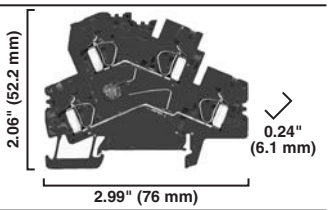
‡ For ganged configurations greater than 2, use multiple 1492-GSTP plug-in blocks.

Spring-Clamp Connection Terminal Blocks

Plug-in Connection Blocks

	1492-LD32P			1492-LG31P			1492-LG3T1P		
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- circuit terminal block with 1 fixed and 1 plug-in connection. Plug-in connectors can be individual or grouped configurations.*			*Single circuit grounding terminal block with 1 fixed and 1 plug-in connection.*			*Single circuit grounding terminal block with 2 fixed and 1 plug-in connection.*		
Certifications	UL	CSA	IEC	UL	CSA	IEC	UL	CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	—			—		
Maximum Current	20 A		24 A	Grounding			Grounding		
Limited Rating - Voltage❄	600V AC/DC		—	—			—		
Limited Rating - Current❄	5 A		—	—			—		
Wire Range (Rated Cross Section)	#26…12 AWG		0.5...2.5 mm²	#26…12 AWG		0.5...2.5 mm²	#26…12 AWG		0.5...2.5 mm²
Wire Strip Length	0.394 in. (10 mm)			0.394 in. (10 mm)			0.394 in. (10 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	1492-LD32P		50	—		—	—		—
Color: Green/Yellow	—		—	1492-LG31P		50	1492-LG3T1P		50
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-EBLD32P		50	—		—	—		—
End Barrier: Yellow	—		—	1492-EBL31P-Y		50	1492-EBL31P-Y		50
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 Plug-In Center Jumper — 50-pole	**1492-CJLJ5-50**		10	—		—	—		—
Plug-In Center Jumper — 10-pole	**1492-CJLJ5-10**		20	—		—	—		—
Plug-In Center Jumper — 9-pole	1492-CJLJ5-9		20	—		—	—		—
Plug-In Center Jumper — 8-pole	**1492-CJLJ5-8**		20	—		—	—		—
Plug-In Center Jumper — 7-pole	**1492-CJLJ5-7**		20	—		—	—		—
Plug-In Center Jumper — 6-pole	**1492-CJLJ5-6**		20	—		—	—		—
Plug-In Center Jumper — 5-pole	**1492-CJLJ5-5**		20	—		—	—		—
Plug-In Center Jumper — 4-pole	**1492-CJLJ5-4**		60	—		—	—		—
Plug-In Center Jumper — 3-pole	**1492-CJLJ5-3**		60	—		—	—		—
Plug-In Center Jumper — 2-pole	**1492-CJLJ5-2**		60	—		—	—		—
Other Accessories Test Adapter	1492-TPL5P		25	—		—	—		—
Individual Plug-in Connector: Grey	1492-STP		50	—		—	—		—
Individual Plug-in Connector: Green	1492-STP-G		50	1492-STP-G		50	1492-STP-G		50
Ganged Connector Start Plug: Grey	1492-SBSTP		50	—		—	—		—
Ganged Connector Middle Plug‡: Grey	1492-GSTP		50	—		—	—		—
Ganged Connector End Plug: Grey	1492-EBSTP		50	—		—	—		—
Plug-in Component Accessories Locking Element - Yellow	1492-STPLE		25	1492-STPLE		25	1492-STPLE		25
Coding Element - Yellow	1492-STPCE		50	1492-STPCE		50	1492-STPCE		50
Strain Relief - Yellow	1492-STPSR		25	1492-STPSR		25	1492-STPSR		25

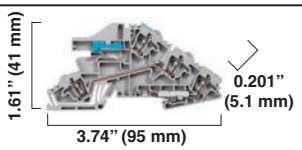
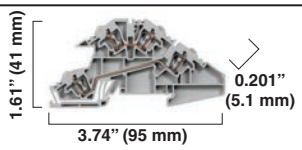
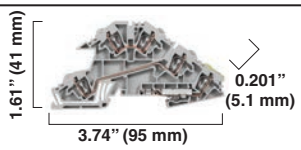
❄ Terminal Blocks contain dual UL/CSA listings and can be used at 300V with a 20 A rating or 600V with a 5 A rating.

	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	cULus	CSA	IEC	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	600V AC/DC		500V AC/DC	600V AC/DC		500V AC/DC	600V AC/DC	600V AC/DC	140V AC/DC
Maximum Current	25 A	30 A	32 A	25 A	30 A	32 A	120V	—	
Component Current/Wattage Rating*	1 A			1 A			25 A	30 A	32 A
Wire Range (Rated Cross Section)	#26…10 AWG		4 mm²	#26…10 AWG		4mm²	#26…10 AWG	26…10 AWG	4mm²
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

Spring-Clamp Connection Terminal Blocks

2-Level Neutral Disconnect and Installations

	1492-LDG3ND			1492-LD3N			1492-LDG3N		
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	*3-Level terminal block with neutral disconnect and ground connection*			*2-Level feed-through terminal block for installation applications*			*3-Level terminal block with 2 feed-through and ground connection*		
Certifications		**CSA**	**IEC**		**CSA**	**IEC**		**CSA**	**IEC**
Voltage Rating	600V AC/DC	300V AC/DC	400V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC
Maximum Current	15 A	10 A	24 A	15 A	10 A	24 A	15 A	10 A	24 A
Wire Range (Rated Cross Section)	#26…12 AWG		2.5 mm²	#26…12 AWG		2.5 mm²	#26…12 AWG		2.5 mm²
Wire Strip Length	0.31 in. (8 mm)			0.31 in. (8 mm)			0.31 in. (8 mm)		
Density	59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)			59 per ft/196 per meter		
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 12-78								
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color: Grey	1492-LDG3ND		50	1492-LD3N		50	1492-LDG3N		50
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 Barriers/ Busbar Support Plates Grey	**1492-BSPJLD3N**		20	**1492-BSPJLD3N**		20	**1492-BSPJLD3N**		20
End Barriers/ Busbar Support Plates Blue	1492-BSPJLD3N-B		20	1492-BSPJLD3N-B		20	1492-BSPJLD3N-B		20
End Anchors and Retainers: Screwless End Retainer	**1492-ERL35**		20	**1492-ERL35**		20	**1492-ERL35**		20
End Anchor — Normal Duty	**1492-EAJ35**		100	**1492-EAJ35**		100	**1492-EAJ35**		100
End Anchor — Heavy Duty	**1492-EAHJ35**		50	**1492-EAHJ35**		50	**1492-EAHJ35**		50
Plug-in Center Jumper — 10-Pole	**1492-CJLJ5-10**		20	**1492-CJLJ5-10**		20	**1492-CJLJ5-10**		20
Plug-in Center Jumper — 4-Pole	**1492-CJLJ5-4**		60	**1492-CJLJ5-4**		60	**1492-CJLJ5-4**		60
Plug-in Center Jumper — 3-Pole	**1492-CJLJ5-3**		60	**1492-CJLJ5-3**		60	**1492-CJLJ5-3**		60
Plug-in Center Jumper — 2-Pole	**1492-CJLJ5-2**		60	**1492-CJLJ5-2**		60	**1492-CJLJ5-2**		60
Other Accessories: Partition Plate									
Neutral Connection Block (4 mm) Blue	*	1492-JNC4-B	50	—		—	—		—
Neutral Connection Bloc (16 mm) Blue	*	1492-JNC16-B	50	—		—	—		—
Neutral Bus Bar (1 m)	1492-NBB3-1M		5	—		—	—		—
Marking Systems: Snap-in Marker Cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5

* These terminals mount on Cat. No. 1492-NBB3-1M Neutral Busbar. They can accept Cat. No. 1492-M6X5 snap-in markers.

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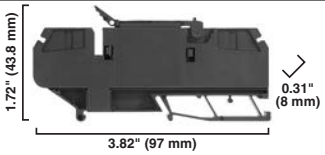
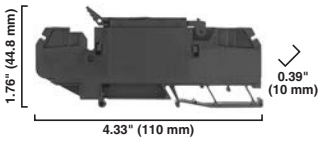
	1492-RFB4...			1492-RAFB4...		
Dimensions are not intended to be used for manufacturing purposes. **Note:** Height dimension is measured from top of rail to top of terminal block.						
Specifications	*Single-circuit fuse terminal block with or without blown fuse indicator*			*Single-circuit fuse terminal block with or without blown fuse indicator*		
Certifications		cUR	IEC		cUR	IEC
Maximum Current	15 A*	15 A*	15 A*	12 A	12 A	12 A
Wire Range (Rated Cross Section)	#22…12 AWG	#22…12 AWG	0.5…4 mm²	#22…12 AWG	#22…12 AWG	0.5…4 mm²
Voltage Rating — RFB4/RAFB4	300V AC/DC		500V AC/DC	300V AC/DC		500V AC/DC
Voltage Rating — RFB424/RAFB424	10…57V AC/DC			10…57V AC/DC		
Voltage Rating — RFB4250/RAFB4250	85…264V AC			85…264V AC		
Indicator Type — RFB4/RAFB4	Non-indicating			Non-indicating		
Indicator Type — RFB424/RAFB424	LED			LED		
Indicator Type — RFB4250/RAFB4250	Neon			Neon		
Leakage Current — RFB4/RAFB4	—			—		
Leakage Current — RFB424/RAFB424	2 mA @ 24V			2 mA @ 24V		
Leakage Current — RFB4250/RAFB4250	1 mA @ 264V			1 mA @ 264V		
Fuse Size (Not Supplied)	5 x 20 mm			1/4 x 1 -1/4 in.		
Wire Strip Length	0.47 in. (12 mm)			0.47 in. (12 mm)		
Density	37 pcs/ft (125 pcs/m)			30 pcs/ft (100 pcs/m)		
Insulation Temperature Range	-4…+140 °F (-20…+60 °C)			-4…+221 °F (-40…+105 °C)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color — Black (Non-Indicating)	**1492-RFB4**		25	**1492-RAFB4**		25
Color — Black (10…57V LED)	**1492-RFB424**		25	**1492-RAFB424**		25
Color — Black (85…264V Neon)	**1492-RFB4250**		25	**1492-RAFB4250**		25
Accessories	**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 Barrier	Not Required		—	Not Required		—
End Retainers/Anchors Screwless End Retainer	**1492-ERL35**		20	**1492-ERL35**		20
DIN Rail — Heavy Duty	**1492-EAHJ35**		50	**1492-EAHJ35**		50
Plug-in Center Jumper, 10-Pole	**1492-CJR8-10**		10	—		—
Plug-in Center Jumper, 9-Pole	1492-CJR8-9		10	—		—
Plug-in Center Jumper, 8-Pole	1492-CJR8-8		10	—		—
Plug-in Center Jumper, 7-Pole	1492-CJR8-7		10	—		—
Plug-in Center Jumper, 6-Pole	1492-CJR8-6		10	—		—
Plug-in Center Jumper, 5-Pole	1492-CJR8-5		10	1492-CJRA10-5		10
Plug-in Center Jumper, 4-Pole	1492-CJR8-4		10	1492-CJRA10-4		10
Plug-in Center Jumper, 3-Pole	1492-CJR8-3		10	1492-CJRA10-3		10
Plug-in Center Jumper, 2-Pole	1492-CJR8-2		10	1492-CJRA10-2		10
Center Jumper Link	**1492-CJRL6**		10	**1492-CJRL5**		10
Marking Systems Snap-in Marker for Block	**1492-MS8X12** (56/card)		5	**1492-MS8X12** (56/card)		5
Snap-in Marker for Handle	**1492-MS6X9** (80/card)		5	**1492-MS6X9** (80/card)		5

* IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

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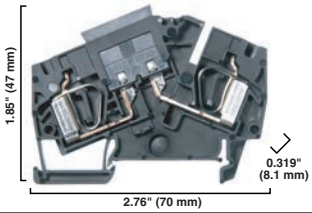
Spring-Clamp Connection Terminal Blocks

Single-Circuit Automotive Fuse Block

Dimensions are not intended to be used for manufacturing purposes.
Note: Height dimension is measured from top of rail to top of terminal block.

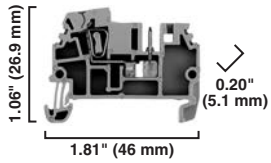
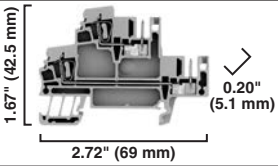
1492-LAFB6



Specifications		*Single-circuit automotive style fuse terminal block with or without LED blown fuse indication*		
Certifications			**CSA**	**IEC**
Voltage Rating	-LAFB6	300V AC/DC		250V AC/DC
	-LAFB624	10…36V AC/DC		
Maximum Current		30 A	25 A	30 A
Wire Range (Rated Cross Section)		#22…12 AWG	#22… 10 AWG	0.5…6 mm²
Wire Strip Length		0.394 in. (10 mm)		
Density		37 pecs/ft (123 pcs/m)		
Housing Temperature Range		-58…+248 °F (-50…+120 °C)		

Terminal Blocks		**Cat. No.**	**Pkg Qty.**
Color	Black (without blown fuse indication)	1492-LAFB6	25
	Black (with blown fuse indication)	**1492-LAFB624**	25

Accessories		**Cat. No.**	**Pkg Qty.**
Mounting Rails 1 m Symmetrical DIN (Steel)		**199-DR1**	10
1 m Symmetrical DIN (Aluminum)		**1492-DR5**	10
1 m Hi-Rise Sym. DIN (Aluminum)		**1492-DR6**	2
1 m Angled Hi-Rise Sym. DIN (Steel)		**1492-DR7**	2
End Barrier	Black	**1492-EBLAFB6**	50
End Anchors Screwless End Retainer		**1492-ERL35**	20
DIN Rail - Normal Duty		**1492-EAJ35**	100
Din Rail - Heavy Duty		**1492-EAHJ35**	50
Jumpers Plug-in Center Jumper — 32-Pole		**1492-CJL8-32**	10
Plug-in Center Jumper — 4-Pole		**1492-CJL8-4**	60
Plug-in Center Jumper — 3-Pole		**1492-CJL8-3**	60
Plug-in Center Jumper — 2-Pole		**1492-CJL8-2**	60
Test Adapter		1492-TPL8	25
Marking Systems Snap-in Marker Cards		**1492-M5X8** (144/card)	5
Snap-In Marker Cards		**1492-M6X5** (200/card)	5

	1492-LC3			1492-LDC3		
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	*Feed-through terminal block with plug in comb connection on one side.*			*Two Circuit terminal block with plug in comb connection on one side of each circuit*		
Certifications	cULus	CSA	IEC	cULus	CSA	IEC
Voltage Rating	300V AC/DC		250V AC/DC	300V AC/DC		250V AC/DC
Maximum Current	10 A		16 A	10 A		16 A
Wire Range (Rated Cross Section)	#26…12 AWG		2.5 mm²	#26…14 AWG		2.5 mm²
Wire Strip Length	0.39 in. (10 mm)			0.39 in. (10 mm)		
Density	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)		
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color Grey	**1492-LC3**		50	1492-LDC3		50
Plug Connection Strips	**Cat. No.**		**Pkg Qty.**	**Cat. No.**		**Pkg Qty.**
Color/Quantity Black/2-Pole	**1492-QP5-2**		100	**1492-QP5-2**		100
Black/3-Pole	**1492-QP5-3**		100	**1492-QP5-3**		100
Black/4-Pole	**1492-QP5-4**		100	**1492-QP5-4**		100
Black/5-Pole	**1492-QP5-5**		50	**1492-QP5-5**		50
Black/6-Pole	**1492-QP5-6**		50	**1492-QP5-6**		50
Black/7-Pole	1492-QP5-7		50	1492-QP5-7		50
Black/8-Pole	**1492-QP5-8**		50	**1492-QP5-8**		50
Black/9-Pole	**1492-QP5-9**		50	**1492-QP5-9**		50
Black/10-Pole	**1492-QP5-10**		50	**1492-QP5-10**		50
Black/11-Pole	1492-QP5-11		50	1492-QP5-11		50
Black/12-Pole	**1492-QP5-12**		50	**1492-QP5-12**		50
Accessories	**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-EBLC3**		20	1492-EBLDC3		20
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-CJLJ5-50**		10	**1492-CJLJ5-50**		10
Plug-in Center Jumper — 10-Pole	**1492-CJLJ5-10**		20	**1492-CJLJ5-10**		20
Plug-in Center Jumper — 9-Pole	1492-CJLJ5-9		20	1492-CJLJ5-9		20
Plug-in Center Jumper — 8-Pole	**1492-CJLJ5-8**		20	**1492-CJLJ5-8**		20
Plug-in Center Jumper — 7-Pole	**1492-CJLJ5-7**		20	**1492-CJLJ5-7**		20
Plug-in Center Jumper — 6-Pole	**1492-CJLJ5-6**		20	**1492-CJLJ5-6**		20
Plug-in Center Jumper — 5-Pole	**1492-CJLJ5-5**		20	**1492-CJLJ5-5**		20
Plug-in Center Jumper — 4-Pole	**1492-CJLJ5-4**		60	**1492-CJLJ5-4**		60
Plug-in Center Jumper — 3-Pole	**1492-CJLJ5-3**		60	**1492-CJLJ5-3**		60
Plug-in Center Jumper — 2-Pole	**1492-CJLJ5-2**		60	**1492-CJLJ5-2**		60
Other Accessories Group Marking Carrier	**1492-GM35**		25	**1492-GM35**		25
Marking Systems Snap-In Marker Cards	**1492-M5X10** (144/card)		5	**1492-M5X10** (144/card)		5
Snap-In Marker Cards	**1492-M5X5** (200/card)		5	**1492-M5X5** (200/card)		5
Hinged Marker Card	**1492-MH5X10** (96/card)		5	—		—

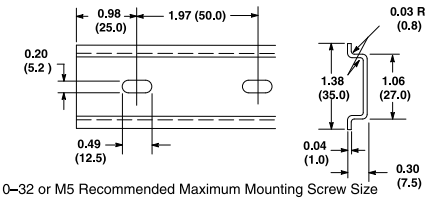
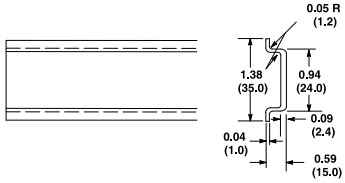
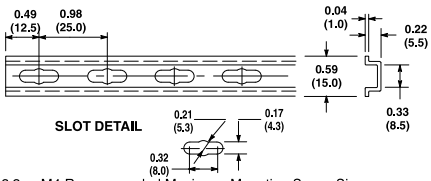
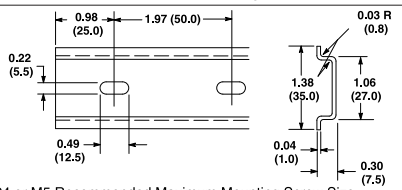
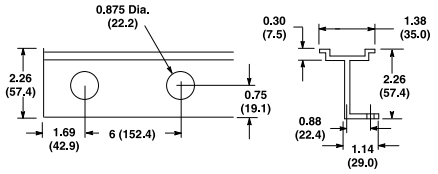
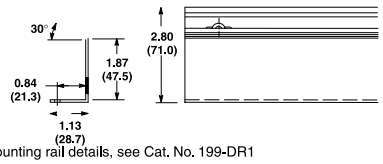
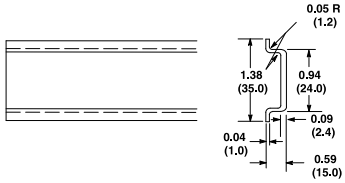
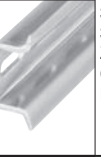
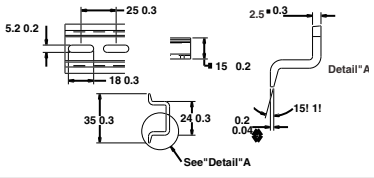
Spring-Clamp Connection Terminal Blocks

Short-Circuit Current Ratings

Short-Circuit Current Ratings — Fuse Ratings

Cat. No.	Wire Cu [AWG]		Overcurrent Protection Fuse Required Class/Max. Amp Rating						Maximum Voltage	SCCR, RMS SYM [A]
	Line	Load	J	T	RK1	RK5	G	CC		
1492-L3	14…12	14…12	30	30	—	—	30	30	600	100,000
1492-L3Q										
1492-L3T										
1492-LD3										
1492-L3QS										
1492-LMJ3										
1492-LMJG3										
1492-LKD3										
1492-L3P										
1492-LG3T										
1492-LG3Q										
1492-LG3										
1492-LD3C										
1492-LDG3C										
1492-LDG3										
1492-LC3	14…12	14…12	30	30	—	—	30	30	300	100,000
1492-LDC3										
1492-LDG3P										
1492-LDG3ND										
1492-LDG3N										
1492-LD3N										
1492-LD31P										
1492-LD3Q2P										
1492-LG31P										
1492-LG3T1P										
1492-L3T1P										
1492-LDG3FB										
1492-L4	14…10	14…10	60	60	30	—	30	30	600	100,000
1492-L4Q										
1492-L4T										
1492-LD4										
1492-LD4C										
1492-LG4										
1492-LG4T										
1492-LG4Q										
1492-LD4DFX2										
1492-L6	14…8	14…8	60	60	30	—	60	30	600	100,000
1492-L6T										
1492-LG6										
1492-LG6T										
1492-LAFB6	14…8	14…8	60	60	30	—	60	30	300	100,000
1492-L10	14…6	14…6	100	100	60	30	60	30	600	100,000
1492-LG10										
1492-L16	14…4	14…4	100	100	60	30	60	30	600	100,000
1492-LG16										
1492-L35	12…2	12…2	200	200	100	30	60	30	600	100,000
1492-LG35										

Mounting rails allow many blocks to be fastened in a panel with only a few screws to anchor the rail to the panel. Mounting rails allow easy installation and removal of a block in a row.

Cat. No.	Description	Pkg Qty.	Dimensions*
199-DR1 	Symmetrical Rail 35 mm x 7.5 mm 3.28 ft (1 m) long Zinc-Plated Clear Chromated Steel EN60715 **DIN #3**	10	 #10–32 or M5 Recommended Maximum Mounting Screw Size
199-DR2	Same as Cat. No. 199-DR1, but length = 2 m	20	
199-DR4 	Heavy Duty Symmetrical Rail 35 mm x 15 mm 3.28 ft (1 m) long Zinc-Plated Clear Chromated Steel EN60715 **DIN #3**	5	
1492-DR3 	Mini 15 mm x 5.5 mm Rail 3.28 ft (1 m) long Zinc-Plated Clear Chromated Steel EN60715 **DIN #2**	5	 #8-3 2 or M4 Recommended Maximum Mounting Screw Size
1492-DR5 	Symmetrical Rail 35 mm x 7.5 mm 3.28 ft (1 m) long Copper-Free Aluminum EN60715 For Bul. 1492 Terminal Blocks Only **DIN #3**	10	 #12–24 or M5 Recommended Maximum Mounting Screw Size
❄ **1492-DR6** 	Symmetrical Rail 35 mm x 7.5 mm 2.26 in. (57.4 mm) high 3.28 ft (1 m) long Copper-Free Aluminum For Bul. 1492 Terminal Blocks Only **DIN #3**	2	 Wire insulator plug for wire access through rail — use Heyco UB875
❄ **1492-DR7** 	Symmetrical Rail 35 mm x 7.5 mm 2.80 in. (71.0 mm) high 3.28 ft (1 m) long Angled 30° Zinc-Plated, Chromated Steel **DIN #3**	2	 For mounting rail details, see Cat. No. 199-DR1
1492-DR8 	Symmetrical Rail 35 mm x 15 mm 3.28 ft (1 m) long Copper EN60715 **DIN #3**	5	
‡ **1492-DR9** 	Symmetrical Rail 35 mm x 15 mm 3.28 ft (1 m) long Zinc-Plated Clear Chromated Steel EN60715 **DIN #3**	5	

* Dimensions shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.
❄ 0.218 x 0.50 in. (5.5 x 12.7 mm) slotted mounting holes every 3 in. (76.2 mm) starting 1.69 in. (42.9 mm) from end.
‡ Dimensions in millimeters.

12

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, LKD3, 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

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

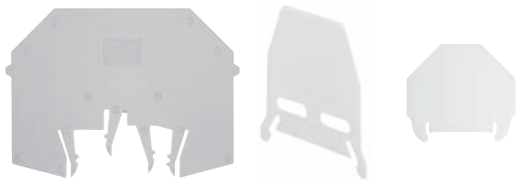
End anchors and end retainers mount at both ends of a group of terminal blocks to add rigidity to the terminal assembly and prevent sliding along the rails.

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**

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**
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	Grey	20	**1492-EBJ16**
		Blue	20	**1492-EBJ16-B**
		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**

Jumpers use the terminal block wire openings. Multi-pole jumpers can be cut into a smaller number of poles. Jumpers carry 100% of rated terminal block current. The back of IEC style jumpers are insulated with plastic. An adjacent partition plate provides the necessary electrical spacings between adjacent jumpers or between exposed ends of cut jumpers.

Center Jumpers — Screw Type

These center jumpers are insulated and are available in 2-…50-pole configurations. They mount with screws into the screw type terminal blocks.

Note: The following rules apply when going across different potentials with jumpers cut out:

- Always de-rate to 400V
- Always use a partition plate where a cut jumper strip may leave a live end exposed

Center Jumpers — Screwless Type

These center jumpers are insulated and are available in 2-…50-pole configurations. They mount without screws into the both Spring-Clamp terminal blocks and some screw terminal blocks.

Note: When using multiple screwless jumpers in 1492-J3, 1492-J2Q, or 1492-J4 terminal blocks, the following rules apply when going across different potentials with jumpers cut out:

- When using all 3 channels, or 2 side-by-side channels, de-rate to 125V
- When using 2 outside channels (leaving the center channel open), de-rate to 400V
- Always use a partition plate where a cut jumper strip may leave a live end exposed

Center Jumper Covers

Center jumper covers can be used as an extruded marking surface for circuit identification.

Center Jumper Configuration Plates

Photo	For Use With	Color	Pkg Qty.	Cat. No.
Center Jumper Spacer Plate				
	1492-L4 to 1492-L3Q, L3 1492-L6 to 1492-L3Q, L3	Grey	25	1492-LJS
Center Jumper Connector Plate				
	1492-L4 to 1492-L3T	Grey	25	1492-LJC

Step-Down Distribution Jumpers

Photo	For Use With	Pkg Qty.	Cat. No.
	1492-J35 to 1492-J4 or J6	10	**1492-CJJ16SD68**
	1492-J16 to 1492-J4 or J6	10	**1492-CJJ12SD68**
	1492-J35 to 1492-J3	10	1492-CJJ16SD5
	1492-J16 to 1492-J3	10	1492-CJJ12SD5

Screw Type Center Jumpers

For Use With	Pkg Qty.	Cat. No.
1492-J3, JD3..., JDG3..., J2Q, J3TW, J3F, JD3F	50	**1492-CJJ5-2**
	50	**1492-CJJ5-3**
	50	**1492-CJJ5-4**
	20	**1492-CJJ5-10**
1492-J4, J4M	50	**1492-CJJ6-2**
	50	**1492-CJJ6-3**
	50	**1492-CJJ6-4**
	20	**1492-CJJ6-10**
1492-J6	50	**1492-CJJ8-2**
	50	**1492-CJJ8-3**
	50	**1492-CJJ8-4**
	20	**1492-CJJ8-10**
1492-J10	50	**1492-CJJ10-2**
	50	**1492-CJJ10-3**
	50	**1492-CJJ10-4**
	20	**1492-CJJ10-10**
1492-J16	20	**1492-CJJ12-2**
	20	**1492-CJJ12-3**
	20	**1492-CJJ12-4**
	10	**1492-CJJ12-10**
1492-J35	20	**1492-CJJ16-2**
	20	**1492-CJJ16-3**
	20	1492-CJJ16-4
	10	**1492-CJJ16-10**
1492-J50	10	**1492-CJJ18-2**
	10	1492-CJJ18-3
	10	1492-CJJ18-4
1492-J70	5	1492-CJJ20-2
	5	1492-CJJ20-3
	5	1492-CJJ20-4
1492-WM3	10	**1492-CJM5-2**
	10	**1492-CJM5-3**
	10	1492-CJM5-4
	10	1492-CJM5-5
	10	**1492-CJM5-10**
1492-W3, WM3, WR3, WTF3..., WTS3...	10	**1492-CJL5** (Link)
1492-WR3	5	**1492-CJD5-50**
	10	**1492-CJD5-2**
	10	**1492-CJD5-3**
	10	1492-CJD5-4
	10	1492-CJD5-5
	10	**1492-CJD5-10**

Note: Notching out one or more jumper poles, with the notched jumpers going across different potentials, will require de-rating to 400V.

For Use With	Pkg Qty.	Cat. No.
1492-WM4	5	**1492-CJD6-50**
	10	**1492-CJD6-2**
	10	**1492-CJD6-3**
	10	1492-CJD6-4
	10	1492-CJD6-5
	10	**1492-CJD6-10**
1492-WM4, W4TW	10	1492-CJLD6 (Link)
1492-W3	10	**1492-CJ5-2**
	10	**1492-CJ5-3**
	10	**1492-CJ5-10**
	20	**1492-CJCW5** (CJ Cover)*
1492-WTF3..., WTS3...	5	**1492-CJT5-50**
	10	**1492-CJT5-2**
	10	1492-CJT5-3
	10	1492-CJT5-4
	10	1492-CJT5-5
	10	**1492-CJT5-10**
1492-W4, W4TW	5	**1492-CJ6-50**
	10	**1492-CJ6-2**
	10	**1492-CJ6-3**
	10	**1492-CJ6-4**
	10	**1492-CJ6-5**
	10	**1492-CJ6-10**
1492-W4	10	**1492-CJL6** (Link)
1492-W4, W6, W10	20	**1492-CJCW6** (CJ Cover)
1492-W6	5	**1492-CJ7-40**
	10	**1492-CJ7-2**
	10	**1492-CJ7-3**
	10	**1492-CJ7-4**
	10	1492-CJ7-5
	10	**1492-CJ7-10**
1492-W6	10	1492-CJL7 (Link)
1492-W10	5	**1492-CJ8-40**
	10	**1492-CJ8-2**
	10	**1492-CJ8-3**
	10	1492-CJ8-4
	10	1492-CJ8-5
	10	**1492-CJ8-10**
1492-W10	10	**1492-CJL8** (Link)
1492-W16S	10	**1492-CJS11-2**
	10	**1492-CJS11-3**
	10	1492-CJS11-4
	10	**1492-CJS11-5**
	10	**1492-CJS11-10**

* May only be used as a marking surface. May not be installed over center jumper.

Screwless Center Jumpers

For Use With	Color	Pkg Qty.	Cat. No.
1492-L2…, L2T, L2Q, LD2, LD2C	Yellow	60	**1492-CJL4-2**
		60	**1492-CJL4-3**
		60	**1492-CJL4-4**
		60	**1492-CJL4-5**
		20	**1492-CJL4-10**
1492-LM3, LC3, LDC3, LDAG3, LDG3P, JKD3…, J3P…, J3, J3TW (see Note)	Yellow	60	**1492-CJLJ5-2**
	Red	60	1492-CJLJ5-2-R
	Blue	60	1492-CJLJ5-2-B
	Black	60	1492-CJLJ5-2-BL
	Yellow	60	**1492-CJLJ5-3**
	Red	60	1492-CJLJ5-3-R
	Blue	60	1492-CJLJ5-3-B
	Black	60	1492-CJLJ5-3-BL
	Yellow	60	**1492-CJLJ5-4**
		20	**1492-CJLJ5-5**
		20	**1492-CJLJ5-6**
		20	**1492-CJLJ5-7**
		20	**1492-CJLJ5-8**
		20	1492-CJLJ5-9
		20	**1492-CJLJ5-10**
	Red	20	**1492-CJLJ5-10-R**
	Blue	20	**1492-CJLJ5-10-B**
	Black	20	**1492-CJLJ5-10-BL**
	White	20	**1492-CJLJ5-10-W**
	Yellow	10	**1492-CJLJ5-50**
	Red	10	**1492-CJLJ5-50-R**
	Blue	10	1492-CJLJ5-50-B
	Black	10	**1492-CJLJ5-50-BL**
	White	10	**1492-CJLJ5-50-W**

For Use With	Pkg Qty.	Cat. No.
1492-RFB4	10	1492-CJR8-2
	10	1492-CJR8-3
	10	1492-CJR8-4
	10	1492-CJR8-5
	10	1492-CJR8-6
	10	1492-CJR8-7
	10	1492-CJR8-8
	10	1492-CJR8-9
	10	**1492-CJR8-10**
1492-RAFB4	10	1492-CJRA10-2
	10	1492-CJRA10-3
	10	1492-CJRA10-4
	10	1492-CJRA10-5

For Use With	Color	Pkg Qty.	Cat. No.
1492-J4, J4M (see Note)	Yellow	60	**1492-CJLJ6-2**
	Red	60	1492-CJLJ6-2-R
	Blue	60	1492-CJLJ6-2-B
	Black	60	1492-CJLJ6-2-BL
	Yellow	60	**1492-CJLJ6-3**
	Red	60	1492-CJLJ6-3-R
	Blue	60	1492-CJLJ6-3-B
	Black	60	1492-CJLJ6-3-BL
	Yellow	60	**1492-CJLJ6-4**
	Yellow	20	**1492-CJLJ6-10**
	Red	20	**1492-CJLJ6-10-R**
	Blue	20	**1492-CJLJ6-10-B**
	Black	20	**1492-CJLJ6-10-BL**
	Yellow	10	**1492-CJLJ6-41**
	Red	10	**1492-CJLJ6-41-R**
	Blue	10	1492-CJLJ6-41-B
	Black	10	1492-CJLJ6-41-BL
1492-L6, L6T, L16D	Yellow	60	**1492-CJL8-2**
		60	**1492-CJL8-3**
		60	**1492-CJL8-4**
		10	**1492-CJL8-32**
1492-L10	Yellow	25	**1492-CJL10-2**
1492-L16	Yellow	25	**1492-CJL12-2**
1492-L35	Yellow	10	**1492-CJL16-2**
1492-L3, L3T, L3Q, L3P, LD3, LD3C, LKD3, LTF3, LS2…, L16D	Yellow	60	**1492-CJK5-2**
		60	**1492-CJK5-3**
		60	**1492-CJK5-4**
		20	**1492-CJK5-5**
		20	**1492-CJK5-6**
		20	**1492-CJK5-7**
		20	**1492-CJK5-8**
		20	**1492-CJK5-9**
		20	**1492-CJK5-10**
		10	**1492-CJK5-50**
1492-L4, L4T, L4Q, LD4DF, LD4DR, LD4SS, LD4, LD4C, L16D	Yellow	60	**1492-CJK6-2**
		60	**1492-CJK6-3**
		60	**1492-CJK6-4**
		20	**1492-CJK6-5**
		20	**1492-CJK6-6**
		20	1492-CJK6-7
		20	**1492-CJK6-8**
		20	1492-CJK6-9
		20	**1492-CJK6-10**
		20	**1492-CJK6-20**

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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**

Plugs and Other Accessories

Test plug sockets fit into the center bridge screw hole and allow easy connection of test plugs for circuit testing and troubleshooting.

Test Plugs — Spring-Clamp Terminal Blocks

2-...12-pole Quick Connection Euro style plugs.

Operating Instructions — Spring-Clamp Terminal Blocks

Cat. No. 1492-QCLABEL is an adhesive set of visual operating instructions that is intended for installation on the inside of a panel. It illustrates to maintenance personnel the correct operation of Spring-Clamp terminal blocks.

Insulation Stops — Spring-Clamp Terminal Blocks

Protective insulation stops prevent the insulation on conductors from being introduced into clamp and current bar area.

Test Plug Sockets, Test Plugs, Test Plug Adapters, and Test Adapters

Sockets∗

Photo	Pkg Qty.	Cat. No.
	20	**1492-TPS23**
	50	**1492-TPS23L**
	50	1492-TPS4L

∗ Required for testing Cat. No. 1492-J products with Cat. 1492-TP23 or 1492-TP40 test plugs.

Test Plugs

Photo	Pkg Qty.		Cat. No.
	20	❄	**1492-TP23**
	20	‡	**1492-TP40**
	10	§	**1492-TP28**
	25	§	1492-TPCBM
	25	§	1492-TPCMB

❄ Used in conjunction with Cat. No. 1492-TPS23 or 1492-TPS23L test sockets.
‡ Used in conjunction with Cat. No. 1492-TPS4L socket.
§ Used in conjunction with Cat. No. 1492-J4CTB terminal block.

Test Plug Adapters

Photo	Pkg Qty.	Cat. No.
	10	**1492-TA285**
	10	**1492-TA40**
	10	1492-TA40L
	25	1492-TPL5P

Test Plugs (Stackable)

Photo	Markers§	Pkg Qty.	Cat. No.
	1492-M5X10, M5X5	25	**1492-TPJ5**
	1492-M5X10, M5X5	25	**1492-TPJ6**
	1492-M3X12, M3X5	25	**1492-TPL4**
	1492-M5X10, M5X5	25	**1492-TPL5**
	1492-M5X10, M5X5	25	1492-TPL6
	1492-M5X10, M5X5	25	1492-TPL8

§ Marker cover screws.

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IEC Terminal Block Accessories

General Accessories

Photo	Description	For Use With	Pkg Qty.	Cat. No.
	Jumper Notching Tool❄	1492-CJ…	1	**1492-T1**
	Unused Pin Cover on Connection Blocks	1492-JC3, JDC3	20	**1492-PCJC3**
	Disconnect Plug	1492-L3P, J3P…, JD3P…, JDG3P…, LD3R…	50	**1492-DPL**
	Plug-In Component Plug	1492-L3P, J3P…, JD3P…, JDG3P…, LD3R…	50	**1492-CPL**
 	Fuse Plug — without Blown Fuse Indication	1492-L3P, J3P…, JD3P…, JDG3P…, LD3R…	20	♣ **1492-FPK2**
	Fuse Plug — 10…36V Blown Fuse Indication		20	♣ **1492-FPK224**
	Fuse Plug — 35…70V Blown Fuse Indication		20	♣ 1492-FPK248
	Fuse Plug — 60…150V Blown Fuse Indication		20	♣ **1492-FPK2120**
	Fuse Plug — 140…250V Blown Fuse Indication		20	♣ **1492-FPK2250**
	Mini-Block Jumper Insertion Tool‡	1492-LM	1	1492-TAL5-2
	DIN Rail Adapter Plate for LMP3 Mini-Blocks	1492-LMP3	50	1492-MFLM
	Auxiliary Circuit Tap	1492-J50	5	1492-J50A
		1492-J70	5	**1492-J70A**
		1492-J120	5	1492-J120A
	Terminal Block screwdriver with hardened 3mm diameter blade (Handle made from recycled material)	All 5…6 mm wide terminal blocks	5	**1492-N90**
	Wire cutting tool designed to attach directly to the shaft of the Cat. No. 1492-N90 screwdriver	1492-N90	1	**1492-KWC**

❄ Used to trim poles from center jumpers and side jumpers.
‡ Used to install Cat. No. 1492-SJLM5-2 in mini blocks.
♣ Use 5 x 20 mm fuses and are rated for AC and DC.

Plug-In and Sensor Connection Blocks

Plug-In Connection Blocks ∗

Photo	Wire Range	For Use With	Pkg Qty.	Cat. No.
	#22…12 AWG (2.5 mm²)	1492-JC3, JDC3, LC3, LDC3	100	**1492-QP5-2**
			100	**1492-QP5-3**
			100	**1492-QP5-4**
			50	**1492-QP5-5**
			50	**1492-QP5-6**
			50	1492-QP5-7
			50	**1492-QP5-8**
			50	**1492-QP5-9**
			50	**1492-QP5-10**
			50	1492-QP5-11
			50	**1492-QP5-12**

∗ Tightening Torque: 3.5…4.4 lb•in. (0.4…0.5 N•m)

Sensor Connection Blocks

Photo	Wire Range	For Use With	Color	Pkg. Qty.	Cat. No.
	#26…14 AWG (1.5 mm²)	1492-LS2-3, LS2-3L, LSG2-3, LS2-4, LS2-4L, LSG2-4	Brown	100	**1492-LS2-BR**
			Blue	100	**1492-LS2-B**
			Green	100	**1492-LSG2**

Plug-In Connectors and Accessories for Flexible Configuration Blocks

Photo	Description	Color	Pkg. Qty.	Cat. No.
Individual Plug-in Connectors				
	Standard	Grey	50	1492-STP
	Grounded	Green	50	1492-STP-G
Ganged Connectors				
	Start plug	Grey	50	1492-SBSTP
	Middle plug	Grey	50	1492-GSTP
	End plug	Grey	50	1492-EBSTP
Accessories				
	Plug-in block locking element	Yellow	25	1492-STPLE
	Coding Element for keyed configuration	Yellow	50	1492-STPCE
	Strain Relief covering w plug-in blocks	Yellow	25	1492-STPSR

DIN Rail Receptacle

Convenient 15 A or 20 A power source designed to be installed in panels that will be used in North America and other locations that use the NEMA 5-15 socket (125V, 50/60 Hz).

Photo	Device Rating	Pkg Qty.	Cat. No.
Standard Duplex			
	15 A	1	1492-REC15
	20 A	1	1492-REC20
Ground Fault Circuit Interrupter (GFCI)			
	15 A	1	1492-REC15G
	20 A	1	1492-REC20G

Electrical Ratings			
		Standard Duplex	Ground Fault Circuit Interrupter (GFCI)
Certifications		c UL us LISTED	
		UL 508A, NEMA WD-6, NEMA 5-15R	
		UL498	UL 498, UL 943
Device Rating	15 A	15 Amp 125V	
	20 A	20 Amp 125V	
Operating Frequency		50/60 Hz	
Dielectric Voltage		Withstands 2000V per UL498	Withstands 1500V per UL498
Short-Circuit Current Rating		10 kA	10 kA
Environmental Ratings			
Operating Temperature Range		–31…+140 °F (–35…+60 °C)	
Storage Temperature Range		–13…+176 °F (–25…+80 °C)	
Mechanical Ratings			
Terminal Wire Sizes		#20…#10 AWG solid or stranded	
Terminal Torque		7 lb• in. (.79 N•m)	
Markers		1492-MS10X17	

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IEC Terminal Block Accessories

Marking Systems

Marking Solutions

Marking Solutions from Rockwell Automation enable efficient identification of terminal blocks and other components. The Allen-Bradley ClearMark™ Printer provides quality printing for high-volume users. The X-Y Plotter allows for flexible marking. Low-volume marking needs are supported by pre-printed and custom markers.

ClearMark Printer and Accessories

The ClearMark Printer provides quality printing in an easy-to-use format for high-volume marking needs. Used with Allen-Bradley ClearTools™ software, customers can create markers with basic numbering to sequences and images.

- Fast: Less than two minutes to print and set a full card
- Easy: Integrated feeder for up to 20 marker cards
- Low-maintenance: Will automatically cycle as needed to keep ink flowing
- Quality printing: 600 or 1200 dpi
- Color printing: Use spot color printing on white marker cards for visual distinction

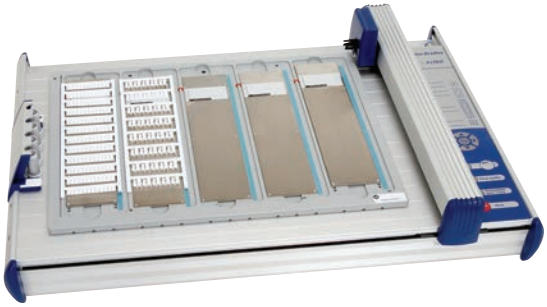
System Requirements

- Operating system: Microsoft Windows 2000, XP or Vista
- Memory: 64 MB RAM
- Hard drive: 90 MB available space
- Processor: Pentium III or comparable
- Graphics: 800x600 pixels with 256 colors (ideal 1024x768 with 16-bit high color)

Description	Pkg Qty.	Cat. No.
ClearMark Printer, 110V Includes ClearMark Printer, ClearTools Software and first set of ink	1	**1492-PRINT110**
Accessories		
ClearMark Printer Ink Cartridge, **Cyan**	1	**1492-PRINTINK-C**
ClearMark Printer Ink Cartridge, **Magenta**	1	**1492-PRINTINK-M**
ClearMark Printer Ink Cartridge, **Yellow**	1	**1492-PRINTINK-Y**
ClearMark Printer Ink Cartridge, **Black**	1	**1492-PRINTINK-K**
ClearMark Printer - Replacement Ink Collector Unit	1	**1492-PRINTCOLLECT**

X-Y Plotter and Accessories

The flexible marking tool of the Allen-Bradley terminal block product line is the X-Y Plotter.



- Plot partial marker cards
- Load up to five cards at a time (mix and match)
- Easy to use AB-Plot software

System Requirements

- Operating system: Microsoft Windows 98
- Hard drive: 50 MB available space
- Processor: 80486
- Parallel or USB communication port

Description	Pkg Qty.	Cat. No.
Plotter Kit Includes Series E Plotter, 1492-PLOTPEN25 ink pen, 1492-PLOTPLT plate, communication cables, user manuals, ABPLOT software, and power adaptor.	1	**1492-PLTKIT**
Plotter Pen Disposable pen, 0.25 mm tip	1	1492-PLOTPEN25
Plotter Pen Disposable pen, 0.35 mm tip	1	1492-PLOTPEN35
Plotter Pen Disposable pen, 0.25 mm tip, slow-drying ink	1	1492-PLOTPEN25S
ABPLOT Plotter software CD ROM - also available online at www.ab.com	1	1492-PLOTSOFT
Plotter Ink Cartridge Requires 1492-PLPEN	5	1492-PLINKCART
Refillable pen Requires 1492-PLINKCART	1	**1492-PLPEN**
Pen Adaptor Adaptor for ultra fine Sharpie pens, includes 1 pen	1	**1492-PLOTADPT**
Cleaning Solution Used to unclog 1492-PLPEN, requires 1492-PLCLEAN	1	1492-PLSOLN
Cleaning Kit Container and cloth to unclog 1492-PLPEN, requires 1492-PLSOLN	1	1492-PLCLEAN
Service Kit Inserts and cleaning pads to replace in pen station	1	**1492-PLOTSERV**
Series E Adapter Plate (additional) 1 plate is already included with the Plotter kit	1	**1492-PLOTPLT**
Adaptor Plate For oversized markers (1492-MW5-21, -MW6-21, and MW7-21)	1	1492-PLOTPLTA

Blank Markers

Photo	For Use With	Markers per Card	Marker Size	Pkg Qty.	Cat. No.
Snap-In Individual Markers 1492-M	1492-L	100	3 x 5 mm	5	**1492-M3X5**
	1492-L	120	3 x 12 mm	5	**1492-M3X12**
	1492-J, L	200	5 x 5 mm	5	**1492-M5X5**
		144	5 x 8 mm	5	**1492-M5X8**
		144	5 x 10 mm	5	**1492-M5X10**
		144	5 x 12 mm	5	**1492-M5X12**
		96	5 x 15 mm	5	**1492-M5X15**
		20	5 x 30 mm	5	❄ **1492-M5X30**
	1492-J, L	200	6 x 5 mm	5	**1492-M6X5**
		120	6 x 10 mm	5	**1492-M6X10**
	1492-J, L, 1738 ArmorPoint™	120	6 x 12 mm	5	**1492-M6X12**
	1492-J, L	108	7 x 12 mm	5	**1492-M7X12**
		160	8 x 5 mm	5	**1492-M8X5**
	NEMA (1492-HM1, -HM2, -HM3) Terminal Blocks, 1492-CB Circuit Breakers	120	6 x 10 mm	5	**1492-MN81**
	NEMA (1492-HM3) Terminal Blocks, 1492-CB Circuit Breakers	40	10 x 10 mm	5	**1492-MN83**
	1492-W,R, 700-HA Relays	56	8 x 9 mm	5	**1492-MS8X9**
		56	8 x 12 mm	5	**1492-MS8X12**
	700-HN204, -HN205, Relay Sockets	40	8 x 17 mm	5	1492-MS8X17
	1667 PanelConnect™	40	9 x 20 mm	5	**1492-MS9X20**
	100-C, -D Contactors, 700-CF Relays, 140 Circuit Breakers, 193-E1, -E3	40	10 x 17 mm	5	**1492-MS10X17**
Snap-In Linked Markers 1492-MR	1492-J, -L	120	5 x 8 mm	5	**1492-MR5X8**
		120	6 x 8 mm	5	**1492-MR6X8**
		120	5 x 12 mm	5	**1492-MR5X12**
		120	6 x 12 mm	5	**1492-MR6X12**
		84	8 x 12 mm	5	**1492-MR8X12**
	1492-WM3, -WMD1	80	5 x 5 mm	5	**1492-MS5X5**
	1492-W, 700-HA, 800F Contact Block	80	5 x 9 mm	5	**1492-MS5X9**
	1492-W, 700-H Relays	80	5 x 12 mm	5	**1492-MS5X12**
	1492-W, -R, 700-H Relays	80	6 x 9 mm	5	**1492-MS6X9**
	1492-W, 700-H Relays	80	6 x 12 mm	5	**1492-MS6X12**
Snap-In Hinged Markers	1492-L	96	5 x 10 mm	5	**1492-MH5X10**
		96	5 x 15 mm	5	**1492-MH5X15**
		80	6 x 12 mm	5	**1492-MH6X12**
Cable Markers 1492-MW	**External Diameter (mm)**	Markers per Card	Marker Size	Pkg. Qty.	Cat. No.
	from 0.276 in. (from 7.0 mm)	32	9 x 24 mm∗	5	**1492-MW9X24**
	from 0.276 in. (from 7.0 mm)	32	5 x 23 mm∗	5	1492-MW10X23
	from 0.276 in. (from 7.0 mm)	32	8 x 23 mm∗	5	1492-MW14X23
	from 0.276 in. (from 7.0 mm)	12	11 x 44 mm∗	5	**1492-MW11X60**
	0.162…0.193 in. (41…4.9 mm)	32	5 x 21 mm‡	5	1492-MW5-21
	0.185…0.229 (0.268) in. (4.7…5.8 [6.8] mm)	32	6 x 21 mm‡	5	1492-MW6-21
	0.229…0.276 (0.335) in. (5.8…7.0 [8.5] mm)	32	7 x 21 mm‡	5	1492-MW7-21

∗ Requires cable ties.
❄ Requires Cat. No. 1492-GMC
‡ Requires Cat. No. 1492-PLOTPLTA

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Blank Markers, Continued

Photo	For Use With	Markers per Card	Marker Size	Pkg Qty.	Cat. No.
Self-Adhesive Markers 1492-MAS 	Self-adhesive for any equipment	40	9 x 17 mm	5	**1492-MAS9X17**
	Bul. No. relays, self-adhesive for any equipment	40	6 x 15 mm	5	**1492-MAS6X15**
	1760-PICO GFX-70 Cont., self-adhesive for any equipment	40	9 x 11 mm	5	1492-MAS9X11
Wire Markers 1492-MWC	0.059…0.098 in. (2.0…3.5 mm)/White	40	4.25 x 21 mm	5	1492-MWC1-21
	0.078…0.138 in. (2.0…5.0 mm)/White	40	4.25 x 21 mm	5	1492-MWC3-21
	0.098…0.197 in. (2.0…5.0 mm)/White	24	6 x 21 mm	5	1492-MWC4-21
	0.059…0.098 in. (1.5…2.5 mm)/White	40	4.25 x 12 mm	5	**1492-MWC1-12**
	0.078…0.138 in. (2.0…3.5 mm)/White	40	4.25 x 12 mm	5	**1492-MWC3-12**
	0.098…0.197 in. (2.0…5.0 mm)/White	24	6 x 12 mm	5	**1492-MWC4-12**
Snap-In Individual Markers for Rockwell Automation products and Competitive Terminal BLocks 1492-MC	Wago	100	4 x 9 mm	5	1492-MCW4X9
	Phoenix, Entrlec, Telemacanique, Legrand	120	5 x 8 mm	5	**1492-MC5X8**
	Wieland and Telemecanique	100	5 x 12 mm	5	1492-MC5X12
	Wago	100	5 x 9 mm	5	**1492-MCW5X9F**
	Wago	100	5 x 9 mm	5	1492-MCW5X5
	Wago	100	5 x 5 mm	5	1492-MCW6X9
	Phoenix	100	4 x 5 mm	5	**1492-MC4X5**
	Bul. No. 1492-FB fuse holder and Phoenix	100	5 x 5 mm	5	**1492-MC5X5**
	Bul. No. 1492-FB fuse holder and Phoenix	100	6 x 5 mm	5	**1492-MC6X5**
	Bul. No. 700-HL relays, and Phoenix, Wieland, Entrelec, Telemacanique, Legrand	120	6 x 10 mm	5	**1492-MC6X10**
	Phoenix and Entrelec	100	8 x 10 mm	5	**1492-MC6X10**
	Phoenix	100	7 x 5 mm	5	1492-MC7X5
	Phoenix	100	5 x 4 mm	5	1492-MC5X4
	Siemens	64	7 x 10 mm	5	1492-MCS7X10
	Siemens	64	6 x 10 mm	5	1492-MCS6X10
	Siemens	80	5 x 10 mm	5	**1492-MCS5X10**
	Siemens	64	7 x 7 mm	5	1492-MCS7X7
	Siemens	80	5 x 8 mm	5	1492-MCS5X8
	Siemens	64	6 x 8 mm	5	1492-MCS6X8

1492 Pre-Printed Markers

Pre-printed markers are packaged in quantities of 5 with a minimum order quantity of 5 cards.

Catalog Number Explanation

1492	–	M5x10	H	1-100
		a	*b*	*c*

a

Marker Selection		
Code		
M3x5	MS6X9	MCS6X8
M3x12	MS6X12	MC6X10
M5x5	MS8X9	MCW1-12
M5x8	MS8X12	MCW3-12
M5x10	MS9X20	MCW4-12
M5x12	MS8X17	MAS9X17
M5x15	MS10X17	MAS6X15
M5X30	MC5X8	MAS9X11
M6x5	MC5X10	MW9X24
M6x10	MC5X12	MW10X23
M6x12	MCW4X9	MW14X23
M7x12	MCW5X9	MW11X60
M8x5	MCW5X9F	MW5-21
MR5X8	MCW5X5	MW6-21
MR6X8	MCW6X9	MW7-21
MR5X12	MC4X5	MWC1-21
MR6X12	MC5X5	MWC3-21
MR8x12	MC6X5	MWC4-21
MH5X10	MC8X10	MWC1-12B
MH5X15	MC7X5	MWC1-12R
MH6X12	MC5X4	MCW1-12Y
MMN81	MCS7X10	MWC3-12B
MN83	MCS5X10	MWC3-12R
MS5x5	MCS6X10	MWC3-12Y
MS5x9	MCS7X7	MWC4-12B
MS5X12	MCS5X8	MWC4-12R
		MWC4-12Y

b

Text Direction	
Code	Description
H	Horizontal Print
V	Vertical Print
HU	Horizontal Upside-down Print
VU	Vertical Upside-down Print
HR	Horizontal Print, reversed data for each column
VR	Vertical Print, reversed data for each column
HUR	Horizontal Upside-down Print, reversed data for each column
VUR	Vertical Upside-down Print, reversed data for each column
C	Custom

c

Printing Selection	
Straight Fill Printing	
Option 1-End will start at 1 and continue printing sequential numbers until the end of the card is reached.	
1-End	Sequential printing to end of card
L	Continuous printing "L" on card
L1	Continuous printing "L1" on card
L2	Continuous printing "L2" on card
L3	Continuous printing "L3" on card
U	Continuous printing "U" on card
V	Continuous printing "V" on card
W	Continuous printing "W" on card
PE	Continuous printing "PE" on card
GND	Continuous printing "GND" on card
Repeat Sequence Printing	
All Options in this section will print the defined sequence in a repeating fashion until all tags are filled. (Example - Option 1-100 with a marker selection of M5x10 will print 1-100 and 1-44.)	
1-10 -or- 11-20 -or- 21-30 -or- … -or- 491-500	Block of 10 sequential numbering. Blocks of 10 within a range from 1…500.
1-20 -or- 21-40 -or- 41-60 -or- … -or- 481-500	Block of 20 sequential numbering. Blocks of 20 within a range from 1…500.
1-50 -or- 51-100 -or- 101-150 -or- … -or- 451-500	Block of 50 sequential numbering. Blocks of 50 within a range from 1…500.
1-100 -or- 101-200 -or- … -or- 401-500	Block of 100 sequential numbering. Blocks of 100 within a range from 1…500.
Single Sequence Printing	
All options in this section will print the defined sequence 1 time only and will leave the rest of the marker tags blank. (Example - Option 1-100S with a marker selection of M5x10 will print 1-100 and leave 44 blank markers).	
1-10S -or- 11-20S -or- 21-30S -or- … -or- 491-500S	Block of 10 sequential numbering. Blocks of 10 within a range from 1…500.
1-20S -or- 21-40S -or- … -or- 481-500S	Block of 20 sequential numbering. Blocks of 20 within a range from 1…500.
1-50S -or- 51-100S -or- … -or- 451-500S	Block of 50 sequential numbering. Blocks of 50 within a range from 1…500.
1-100S -or- 101-200S -or- … -or- 401-500S	Block of 100 sequential numbering. Blocks of 100 within a range from 1…500.

Custom Printed Marker Cards

1. Download the AB-Print software (AB-Print) from the Allen-Bradley terminal block home page (http://www.ab.com/industrialcontrols/products/) and install it.

2. Create your custom marker card using the AB-Print software and save your file.

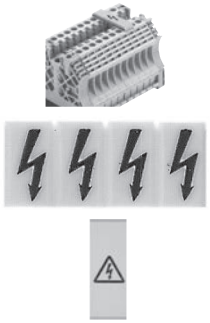
3. Place the custom order by adding the letter **"C"** to the end of the marker cat. no. (Example: If the custom marker that was created in Step 2 is Cat. No. 1492-M6X12, an order will be placed with the new Cat. No. 1492-M6X12**C**.) Then, document the order number for Step 4.

4. E-mail the custom marker file to **RAMilwCustomMarkers@ra.rockwell.com.** Include the following items:
   - Allen Bradley order number (in the subject of the e-mail)
   - Created file (attached to the e-mail)
   - Quantity (the number of needed copies of the file)
   - Company information (with a contact name and number in the e-mail)

Note: Minimum quantity is 1 card per order.

	Description	Pkg Qty.	Cat. No.
	End anchor top marker carrier	50	**1492-GMC**

Electrical Warning Plate Markers

Photo	For Use With	Color	Pkg Qty.	Cat. No.
	1492-J	Yellow	25	**1492-EWPJ5**
	1492-J	Yellow	50	**1492-EWPJ8**
	1492-J	Yellow	50	1492-EWPJ12
	1492-J	Yellow	50	1492-EWPJ18
	1492-L	Yellow	20	**1492-EWPL5**
	1492-L	Yellow	20	1492-EWPL6
	1492-L	Yellow	20	1492-EWPL8
	1492-L	Yellow	20	1492-EWPL10
	1492-L	Yellow	20	1492-EWPL12
	1492-L	Yellow	20	1492-EWPL16
	1492-L	Yellow	20	1492-EWPL4
	1492-W	Yellow	10	1492-EWP5
	1492-W	Yellow	10	1492-EWP5-4
	1492-W	Yellow	10	**1492-EWP6**
	1492-W	Yellow	10	1492-EWP6-4
	1492-W	Yellow	10	1492-EWP7
	1492-W	Yellow	10	1492-EWP7-4
	1492-W	Yellow	10	1492-EWP8
	1492-W	Yellow	10	1492-EWP8-4
	1492-W	Yellow	10	1492-EWP11
	1492-W	Yellow	10	1492-EWP11-4

Maximum number of multiple wire connections for copper conductors of the same cross-section and type for Allen-Bradley IEC Terminal Blocks. Cat. Nos. 1492-J and L products are all recommended for one conductor per terminal. Wire range is defined in the cat. page for each of the products.

In general, accessories for terminal blocks are not eligible for recognition by UL, CSA, or other third party approval agencies. The suitability of the installation must be judged in the end use application due to the wide variety of possible uses. However, accessories are designed to meet, and are tested to, the terminal block assembly requirements such as electrical spacings, etc.

	Wire Size [AWG]																		
	#30	#28	#26	#24	#22	#20	#18	#16	#14	#12	#10	#8	#6	#4	#2	#1	1/0	2/0	3/0
Cat. No.	Number of the Same Size Wires Per Terminal																		
1492-CA1	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-CAM1	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-H4	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H5	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H6	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H7	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-HM3	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-J10	—	—	—	—	4	4	4	4	3	2	1	1	1	—	—	—	—	—	—
1492-J16	—	—	—	—	—	—	1	4	4	3	2	1	1	1	—	—	—	—	—
1492-J2Q	—	—	4	4	4	3	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-J3	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J35	—	—	—	—	—	—	—	—	3	3	3	2	2	1	1	1	1	—	—
1492-J3F	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3P	4	4	4	4	3	3	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3TW (single side)	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3TW (twin side)	—	—	4	4	4	3	1	1	1	—	—	—	—	—	—	—	—	—	—
1492-J4	—	—	—	—	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4CTB	—	—	1	1	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4Q	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4TW	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J50	—	—	—	—	—	—	—	—	—	—	1	2	2	1	1	1	1	—	—
1492-J6	—	—	—	—	4	4	3	3	3	2	1	1	—	—	—	—	—	—	—
1492-J70	—	—	—	—	—	—	—	—	5	5	5	2	2	2	1	1	1	1	1
1492-JC3	—	—	4	4	4	3	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-JD3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3DF	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3DR	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3F	4	4	4	4	4	4	3	1	1	1	—	—	—	—	—	—	—	—	—
1492-JD3FB	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JD3PSS	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3PSSTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3PTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3RB***	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3RC001	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3SS	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD4	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JD4C	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JDC3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3FB	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3P	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PSS	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PSSTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG4	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—

IEC Terminal Block Accessories

Specifications

Cat. No.	Wire Size [AWG]																		
	#30	#28	#26	#24	#22	#20	#18	#16	#14	#12	#10	#8	#6	#4	#2	#1	1/0	2/0	3/0
	Number of the Same Size Wires Per Terminal																		
1492-JG10	—	—	—	—	4	4	4	4	3	2	1	1	1	—	—	—	—	—	—
1492-JG16	—	—	4	4	4	4	4	4	1	3	2	1	1	1	—	—	—	—	—
1492-JG2Q	—	—	4	4	4	3	1	1	1	—	—	—	—	—	—	—	—	—	—
1492-JG3	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JG35	—	—	—	—	—	—	—	—	3	3	3	2	2	1	1	1	—	—	—
1492-JG3TW single side)	4	4	4	4	4	4	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-JG3TW twin side)	—	—	4	4	4	3	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-JG4	—	—	—	—	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JG4Q	1	1	1	1	4	4	3	3	3	2	1	—	—	—	—	—	—	—	—
1492-JG4TW	1	1	1	1	4	4	3	3	3	2	1	—	—	—	—	—	—	—	—
1492-JG50	—	—	—	—	—	—	—	—	—	—	1	2	2	1	1	1	1	—	—
1492-JG6	—	—	—	—	4	4	3	3	3	2	1	1	—	—	—	—	—	—	—
1492-JG70	—	—	—	—	—	—	—	—	5	5	5	2	2	2	1	1	1	1	—
1492-JKD3	4	4	4	4	3	3	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JKD3TP	4	4	4	4	3	3	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JKD4	—	—	—	—	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JKD4Q	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JKD4QTP	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JKD4TP	—	—	—	—	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JKD4TW	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JKD4TWTP	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JPO	—	—	4	—	1	1	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JSD4	—	—	1	1	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JT3M	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-W10	—	—	—	—	4	4	4	4	3	2	1	1	—	—	—	—	—	—	—
1492-W16S	—	—	—	—	—	—	—	—	4	3	2	2	1	1	—	—	—	—	—
1492-W3	4	—	—	—	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-W4	—	—	—	—	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-W6	—	—	—	—	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-WD4	—	—	—	—	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-WD4C	—	—	—	—	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-WG4	—	—	—	—	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-WG6	—	—	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—
1492-WM3	4	—	—	—	4	3	2	1	1	—	—	—	—	—	—	—	—	—	—
1492-WM4	—	—	—	—	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-WMD1	—	—	—	—	2	1	1	1	—	—	—	—	—	—	—	—	—	—	—
1492-WMG4	—	—	—	—	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-WR3	—	—	—	—	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTF3	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTF3LN	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTF3LP	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTS3	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTS3LN	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—
1492-WTS3LP	—	—	4	4	4	4	3	2	1	—	—	—	—	—	—	—	—	—	—

Tie Point Terminal Blocks — Type JD3C, LD2C, LD3C, and LD4C

ATTENTION	The total current flow through these terminal blocks (the sum of all inputs or the sum of all outputs) must not exceed the rated current for the device.

Description		Type	Rating
Maximum total current flow through the terminal block		LD2C	10 A
		JD3C, LD3C	20 A
		LD4C	25 A
Maximum working voltage		LD2C	300V
		JD3C, LD3C, LD4C	600V
Ambient temperature range	Operating	All	-4…+104 °F (-20…+40 °C)
	Storage	All	-40…+167 °F (-40…+75 °C)

Diode Terminal Blocks — Type JD3DR, JD3DF, LD4DF, and LD4DR♣

Description		Symbol	Type	Rating
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V (RRM) V (RWM) V (R)	JD3DF, JD3DR, LD4DF, LD4DR	600V
Non-Repetitive Peak Reverse Voltage (Halfwave, single phase, 60 Hz)		V (RSM)	JD3DF, JD3DR, LD4DF, LD4DR	600V
RMS Reverse Voltage ❄		V (Rrms)	JD3DF, JD3DR, LD4DF, LD4DR	600V
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz		I (O)	All	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)		I (FSM)	All	30 A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]		V (F)	All	1.1V
Maximum Reverse Current		I (R)	All	10 µA
Ambient temperature range	Operating	T (A)	All	-4…+104 °F (-20…+40 °C)
	Storage	T (S)	All	-40…+167 °F (-40…+75 °C)

All parameters measured at 77 °F (25 °C).

♣ Performance Data — See this catalog, page Important-3. Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of accelerated testing at elevated stress levels and the user should correlate it to actual application requirements. Actual performance is subject to Allen-Bradley WARRANTY and LIMIT OF LIABILITY.

❄ The maximum voltage rating of the diode terminal blocks listed in the above table should not be exceeded even though the maximum reverse voltage rating of the diode alone is 1000V.

Surge Suppressor Performance Characteristics and Electrical Component Data♣

Surge Suppressor Terminal Blocks	
Performance Characteristic	Cat. No. JD3SS, JD3PSS, JD3SSTP, JDG3PSS, JDG3PSSTP, LD4SS
Nominal Working Voltage (Volts AC or DC)	120
Maximum AC Working Voltage RMS Continuous (60 Hz)	140
Maximum DC Working Voltage Continuous	180
Maximum Clamping Voltage at Current I_p (8/20 µs Pulse)	360V I_p = 10 A
Maximum Voltage Rate of Rise Bulletin 100 Contactors Types A38…B180 Bulletin 500 Contactors & Starters, Size 0…5 Bulletin 700 Relays	—
Peak Current (8/20 µs Pulse)	1200 A
Typical Leakage Current at Nominal AC Working Voltage	< 0.1 mA
Metal Oxide Varistor (MOV) Maximum Clamping Voltage at Current Ip (8/20 µs Pulse) Maximum Transient Energy Maximum Power Dissipation	 10 J 0.25 W

Technical Specifications for Fuse Plugs§

Characteristic	1492-FPK2	1492-FPK224	1492-FPK248	1492-FPK2120	1492-FPK2250
Indicator Type	Non-Indicating	LED	LED	LED	LED
Leakage Current	—	1.6 mA @ 24V	1.6 mA @ 24V	1.6 mA @ 24V	1.6 mA @ 264V
Working Voltage	Per Fuse Rating	10…36V AC/DC	35…70V AC/DC	60…150V AC/DC	140…250V AC
Fuse Size	5 x 20 mm				
Marker	1492-M5X5				

§ IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

UL/CSA File and Guide Numbers Arranged by Base Cat. Nos.

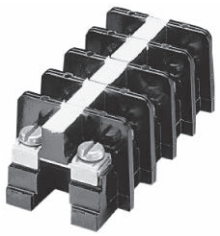
Base Cat. No.	UL Number‡		CSA Number	
	File	Guide	File	Class
1492-H4, -H5, -H6, -H7	E40735	XCFR2	LR67896	622801
1492-R	E40735 E187022	XCFR2 XCIB2 XCFR8	—	—
1492-RG	E160646 E40735 E187022	KDER2 XCFR2 XCIB2	—	—
1492-UF3	E40735	XCFR2	LR67896	622801
1492-W	E40735 E187022	XCFR2 XCIB2	LR67896 LR14074	622801 622801
1492-WG	E40735 E187022	XCFR2 XCIB2	LR67896 LR14074	622801 622801
1492-J	E40735	XCFR2 XCIB2	223923	622801 622801
1492-JG	E40735 E187022	XCFR2 XCIB2	223923	622801 622801
1492-L	E40735 E187022	XCFR2 XCIB2	223923	622801 622801
1492-LG	E40735 E187022	XCFR2 XCIB2	223923	622801 622801

‡ These numbers are actually UL file and guide numbers, as these products are UL Recognized Components per Canadian Safety Standards (cUR).

		
Bulletin	**1492F**	**1492C**
Type	**Open Construction**	**Open Construction**
Features	• Low profile design • Tin-plated copper alloy connections for corrosion resistance • Easy visual verification of proper wire positioning • Easy wiring with large-size screwdriver • A write-on marking surface for easy circuit identification • Optional marking strips to make mass markings easier	• Tin-plated copper alloy connections for corrosion resistance • Open-style screw terminals for large-size screwdrivers • Write-on marking surface for easy circuit identification • Optional marking strips to make mass markings easier
Voltage Rating	300V AC/DC	600V AC/DC
Maximum Current	25 A	10...195 A
Wire Range (Rated Cross Section)	#22...#14 AWG (0.5...2.5 mm^2)	#22...#1/0 AWG (0.5...50 mm^2)
Wire Strip Length	0.25...0.38 in. (6.4…9.7 mm)	0.38...0.69 in. (9.7…17.5 mm)
Recommended Tightening Torque	6...14 lb•in (0.7...1.6 N•m)	8...50 lb•in (0.9...5.6 N•m)
Density	30 pcs/ft, 35 pcs/ft (98 pcs/m, 115 pcs/m)	16 pcs/ft, 22 pcs/ft, 30 pcs/ft (52 pcs/m, 72 pcs/m, 98 pcs/m)
Insulation Temperature Range	-40...+221 °F (-40...+105 °C)	-40...+221 °F (-40...+105 °C)
Colors	White, red, blue, green, yellow, black, brown, violet, grey, orange	White, red, blue, green, yellow, black, brown, violet, grey, orange
Certifications	UR, CSA, CE	UR, CSA, CE
Product Selection	**Page 12-102**	**Page 12-103**

NEMA/EEMAC Terminal Blocks

Product Overview

			
Bulletin	**1492H**	**1492-HC and -HJ**	**1492-15T and -25T**
Type	**High-Density Finger-Safe Terminal Blocks**	**Panel Mount Blocks**	**High Temp. Panel Mount Blocks**
Features	• Compact size accomodates up to 100 terminations per foot • Recessed terminals for finger-safe protection • Funneled wiring guides for easy wiring • Top-of-block marking surfaces for easy write-on circuit identification	• Available in banks of 6 or 12 poles • Provides a simple way to add a bank of terminal blocks in new or existing equipment • Direct panel mounting eliminates the need for rail installation	• Gangable for multi-pole installation • Provides a simple way to add a bank of terminal blocks in new or existing equipment • Direct panel mounting eliminates the need for rail installation
Voltage Rating	600V AC/DC	600V AC/DC	600V AC/DC
Maximum Current	24…55 A	25 A	35...45 A
Wire Range (Rated Cross Section)	#30...#8 AWG (0.05...10 mm²)	#18...#12 AWG (1...4 mm²)	#16...#10 AWG (1.5...6 mm²)
Wire Strip Length	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)
Recommended Tightening Torque	3...16 lb•in (0.3...1.8 N•m)	3...16 lb•in (0.3...1.8 N•m)	10...16 lb•in (1.1...1.8 N•m)
Density	33 pcs/ft, 37 pcs/ft, or 55 pcs/ft (109 pcs/m, 123 pcs/m, or 164 pcs/m)	—	—
Insulation Temperature Range	-40...+221 °F (-40...+105 °C)	-40...+221 °F (-40...+105 °C)	-40...+300 °F (-40...+149 °C)
Colors	White, red, blue, green, yellow, black, brown, violet, grey, orange	White	Black
Certifications	UR, CSA, CE	UR, CSA, CE	—
Product Selection	**Web‡**	**Page 12-107**	**Page 12-107**

‡ Information for this product line is available on the Industrial Controls Catalog website: www.ab.com/catalogs.

Product Overview

Devices available in the Allen-Bradley NEMA/EEMAC* line include Terminal Blocks, Isolation Switch Blocks, and Fuse Blocks.

Terminal Blocks

Allen-Bradley NEMA/EEMAC terminal blocks are available in ten colors for easy circuit identification. Colors and suggested uses are:

- RED for AC Control Circuits
- BLUE for DC Control Circuits
- BLACK for AC/DC Power Circuits
- ORANGE for Data Collection Circuits
- GREEN for Ground Circuits
- YELLOW for Externally Fed Circuits (Interlocks)
- BROWN for Miscellaneous Circuits
- VIOLET/GREY to denote PLC Inputs and Outputs
- WHITE for Neutral Circuits

Most NEMA/EEMAC blocks are available preassembled on a breakaway mounting channel, complete with one end anchor, one retaining clip, and one end barrier.

Open Construction Terminal Blocks

Open construction blocks (Styles C and F) allow easy visual verification that the wire is properly positioned in the clamping area, and allows the use of a standard screwdriver for wiring. Style C and F blocks mount securely on Allen-Bradley rail.
Cat. No. 1492-CAM blocks also mount on DIN Rail. Several Style C blocks accept a snap-on marker for marking long wire identifications. All open construction blocks have:

- Tin-plated copper alloy connections for corrosion resistance
- A write-on marking surface for easy circuit identification
- Optional marking strips to make mass markings easier

Isolation Switch Blocks

- Allow easy, positive electrical circuit isolation
- Are available in both open and high density styles
- Feature a write-on marking surface for easy circuit identification

Fuse Blocks

- Provides a simple way to add overcurrent protection into a circuit
- Can be used with the following fuse styles: 13/32 in. x 1-1/2 in., 1/4 in. x 1-1/4 in., and GMT-type alarm fuses. Blown fuse indicators are available on the 1/4 in. x 1-1/4 in. and 13/32 in. x 1-1/2 in. blocks. The indicator lights up when the fuse is blown, speeding troubleshooting. The GMT-type fuse block has a visual alarm flag that also acts as an output contact for an electrical signal when the fuse is blown.

UL and CSA File Numbers

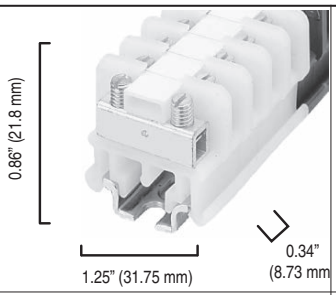
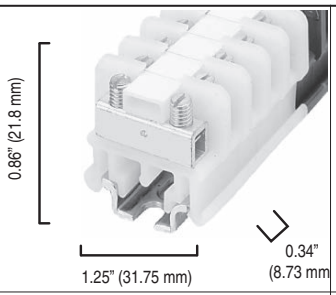
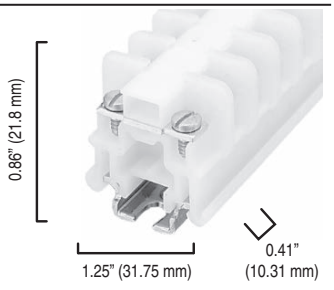
NEMA/EEMAC Style Terminal Blocks have a 94-V2 flammability rating. The NEMA/EEMAC line is UL Recognized and CSA Certified.

- UL File Number E40735, Guide Number XCFR2
- UL File Number E34648, Guide Number IZLT2 (for Catalog Number 1492-CE6 only)
- CSA File Number LR67896, Class 6228-01

* **NEMA — National Electrical Manufacturer's Association**
EEMAC — Electrical and Electronic Manufacturer's Association of Canada

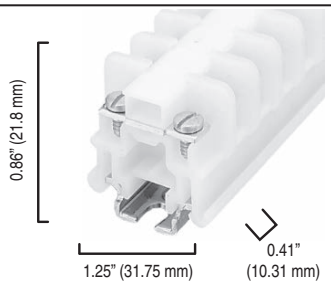
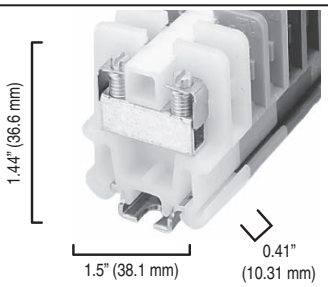
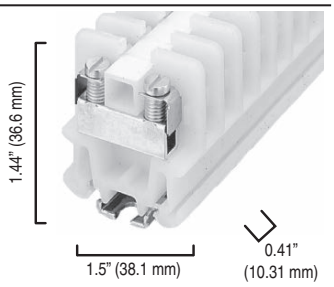
NEMA/EEMAC Terminal Blocks

Open Construction Blocks

	1492-F1	1492-F2	1492-F3
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	***Terminal block, tubular screw with pressure plate.***	***Terminal block, tubular screw without pressure plate.***	***Terminal block, screw terminal with #6 screw.***
Certifications	/CSA	/CSA	/CSA
Voltage Rating	300V AC/DC	300 V AC/DC	300 V AC/DC
Maximum Current	25 A	25 A	25 A
Wire Range (Rated Cross Section)	#22…#14 AWG (0.5…2.5 mm²)	#22…#14 AWG (0.5…2.5 mm²)	#22…#14 AWG (0.5…2.5 mm²)
Wire Strip Length	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)	Prepared Conductors Only✶
Recommended Tightening Torque	4…10 lb•in (0.5…1.1 N•m)	6…10 lb•in (0.7…1.1 N•m)	6…10 lb•in (0.7…1.1 N•m)
Density	35 pcs/ft (115 pcs/m)	35 pcs/ft (115 pcs/m)	30 pcs/ft (98 pcs/m)
Insulation Temperature Range	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)

Terminal Blocks	**Cat. No.**	**Pkg Qty.**	Cat. No.	Pkg Qty.	**Cat. No.**	**Pkg Qty.**
Color: White	**1492-F1**	50	**1492-F2**	50	**1492-F3**	50
Two 3 ft Rails White	**1492-F1209** (105 pcs/rail)	1	1492-F2209 (105 pcs/rail)	1	1492-F3175 (88 pcs/rail)	1
Red	**1492-F1RE**	50	1492-F2RE	50	1492-F3RE	50
Blue	**1492-F1B**	50	1492-F2B	50	1492-F3B	50
Black	**1492-F1BL**	50	1492-F2BL	50	1492-F3BL	50
Green	**1492-F1G**	50	1492-F2G	50	1492-F3G	50
Yellow	**1492-F1Y**	50	1492-F2Y	50	1492-F3Y	50
Brown	1492-F1BR	50	1492-F2BR	50	1492-F3BR	50
Violet	1492-F1VT	50	1492-F2VT	50	1492-F3VT	50
Grey	**1492-F1GY**	50	1492-F2GY	50	1492-F3GY	50
Orange	**1492-F1OR**	50	1492-F2OR	50	1492-F3OR	50
Accessories (page 12-109)	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: A-B Rail	**1492-N1**	20	**1492-N1**	20	**1492-N1**	20
3 ft Rigid A-B Rail	**1492-N22**	20	**1492-N22**	20	**1492-N22**	20
3 ft High-Rise A-B Rail	**1492-N44**	2	**1492-N44**	2	**1492-N44**	2
Standoff Brackets (use every 12 in.)	**1492-N25**	2	**1492-N25**	2	**1492-N25**	2
End Barrier	**1492-N18**	50	**1492-N18**	50	**1492-N18**	50
End Anchors: A-B Rail	**1492-N23**	10	**1492-N23**	10	**1492-N23**	10
A-B Rail — Retaining Clip — Light Duty	**1492-N2**	50	**1492-N2**	50	**1492-N2**	50
Jumpers: 2-pole Uninsulated	**1492-N13**	50	**1492-N13**	50	**1492-N14**	50
50-pole Uninsulated	**1492-N24**	10	**1492-N24**	10	—	—
Marking Systems❄	**1492-N5**	1	**1492-N5**	1	**1492-N5**	1

❄ 1 sheet, 20 strips.

	1492-F8			1492-CA1		1492-CA1L	
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	*Terminal block, screw terminal with wire clamp.*			*Terminal block, tubular screw with pressure plate.*		*Terminal block, screw with large head, pressure plate.*	
Certifications	/CSA			/CSA		/CSA	
Voltage Rating	300V AC/DC			600V AC/DC		600V AC/DC	
Maximum Current	25 A			55 A		55 A	
Wire Range (Rated Cross Section)	#22…#14 AWG (0.5…2.5 mm²)			#22…#8 AWG (0.5…10 mm²)		#22…#8 AWG (0.5…10 mm²)	
Wire Strip Length	0.25 in. (6.4 mm)			0.38 in. (9.7 mm)		0.38 in. (9.7 mm)	
Recommended Tightening Torque	6…14 lb•in (0.7…1.6 N•m)			8…16 lb•in (0.9…1.8 N•m)		8…16 lb•in (0.9…1.8 N•m)	
Density	30 pcs/ft (98 pcs/m)			30 pcs/ft (98 pcs/m)		30 pcs/ft (98 pcs/m)	
Insulation Temperature Range	–40…+221 °F (–40…+105 °C)			–40…+221 °F (–40…+105 °C)		–40…+221 °F (–40…+105 °C)	
Terminal Blocks	**Cat. No.**		**Pkg Qty.**	Cat. No.	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color: White	**1492-F8**		50	**1492-CA1**	50	**1492-CA1L**	50
Two 3 ft Rails White	**1492-F8175** (88 pcs/rail)		1	**1492-CA1175** (88 pcs/rail)	1	**1492-CA1L175** (88 pcs/rail)	1
Red	1492-F8RE		50	**1492-CA1RE**	50	**1492-CA1LRE**	50
Blue	1492-F8B		50	**1492-CA1B**	50	1492-CA1LB	50
Black	1492-F8BL		50	**1492-CA1BL**	50	1492-CA1LBL	50
Green	1492-F8G		50	**1492-CA1G**	50	**1492-CA1LG**	50
Yellow	1492-F8Y		50	**1492-CA1Y**	50	1492-CA1LY	50
Brown	1492-F8BR		50	1492-CA1BR	50	1492-CA1LBR	50
Violet	1492-F8VT		50	1492-CA1VT	50	1492-CA1LVT	50
Grey	1492-F8GY		50	**1492-CA1GY**	50	1492-CA1LGY	50
Orange	**1492-F1OR**		50	1492-CA1OR	50	**1492-CA1LOR**	50
Accessories (page 12-109)	**Cat. No.**		**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: A-B Rail	**1492-N1**		20	**1492-N1**	20	**1492-N1**	20
3 ft Rigid A-B Rail	**1492-N22**		20	**1492-N22**	20	**1492-N22**	20
3 ft High-Rise A-B Rail	**1492-N44**		2	**1492-N44**	2	**1492-N44**	2
Standoff Brackets (use every 12 in.)	**1492-N25**		2	**1492-N25**	2	**1492-N25**	2
End Barrier	**1492-N18**		50	**1492-N16**	50	**1492-N16**	50
End Anchors: A-B Rail	**1492-N23**		10	**1492-N23**	10	**1492-N23**	10
A-B Rail — Normal Duty	—		—	**1492-N47**	50	**1492-N47**	50
A-B Rail — Retaining Clip — Light Duty	**1492-N2**		50	**1492-N2**	50	**1492-N2**	50
Jumpers: 2-pole Uninsulated	**1492-N14**		50	**1492-N3**	50	**1492-N3**	50
50-pole Uninsulated	—		—	**1492-N30**	50	**1492-N30**	50
Fanning Strip (12-pole can cut to desired length)	—		—	**1492-N20**	1	**1492-N20**	1
Marking Systems	*	**1492-N5**	1	**1492-N45**	20	**1492-N45**	20

* 1 sheet, 20 strips.

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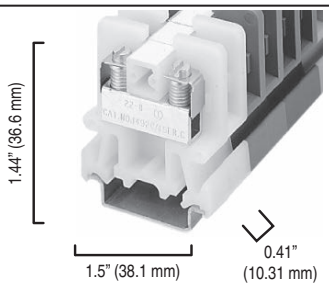
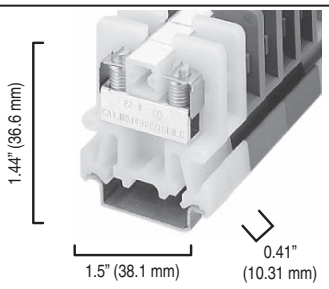
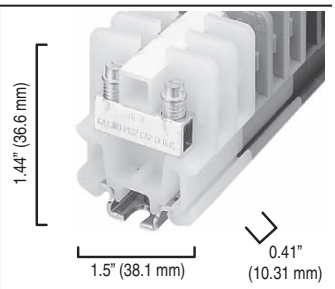
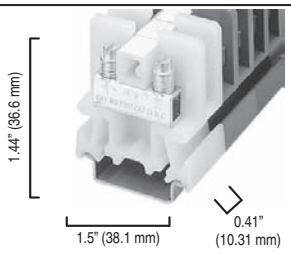
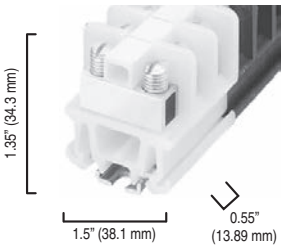
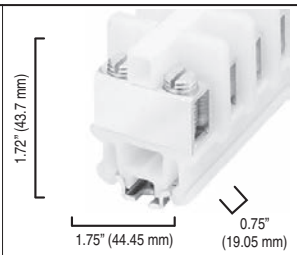
NEMA/EEMAC Terminal Blocks

Open Construction Blocks

	1492-CAM1	1492-CAM1L	1492-CA2
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	*Terminal block, tubular screw with pressure plate, multi-rail mountable.*	*Terminal block, screw with large head, pressure plate, multi-rail mountable.*	*Terminal block, tubular screw without pressure plate.*
Certifications	/CSA	/CSA	/CSA
Voltage Rating	600V AC/DC	600V AC/DC	600V AC/DC
Maximum Current	55 A	55 A	55 A
Wire Range (Rated Cross Section)	#22…#8 AWG (0.5…10 mm²)	#22…#8 AWG (0.5…10 mm²)	#18…#8 AWG (1…10 mm²)
Wire Strip Length	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)
Recommended Tightening Torque	8…16 lb•in (0.9…1.8 N•m)	8…16 lb•in (0.9…1.8 N•m)	10…16 lb•in (1.1…1.8 N•m)
Density	30 pcs/ft (98 pcs/m)	30 pcs/ft (98 pcs/m)	30 pcs/ft (98 pcs/m)
Insulation Temperature Range	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)

Terminal Blocks	**Cat. No.**	**Pkg Qty.**	Cat. No.	Pkg Qty.	**Cat. No.**	**Pkg Qty.**
Color: White	**1492-CAM1**	50	**1492-CAM1L**	50	**1492-CA2**	50
Two 3 ft Rails White	—	—	—	—	**1492-CA2175**(88/Rail)	1
Red	**1492-CAM1RE**	50	**1492-CAM1LRE**	50	1492-CA2RE	50
Blue	**1492-CAM1B**	50	**1492-CAM1LB**	50	1492-CA2B	50
Black	**1492-CAM1BL**	50	**1492-CAM1LBL**	50	1492-CA2BL	50
Green	**1492-CAM1G**	50	**1492-CAM1LG**	50	1492-CA2G	50
Yellow	**1492-CAM1Y**	50	1492-CAM1LY	50	1492-CA2Y	50
Brown	1492-CAM1BR	50	1492-CAM1LBR	50	1492-CA2BR	50
Violet	1492-CAM1VT	50	1492-CAM1LVT	50	1492-CA2VT	50
Grey	1492-CAM1GY	50	1492-CAM1LGY	50	1492-CA2GY	50
Orange	1492-CAM1OR	50	**1492-CAM1LOR**	50	1492-CA2OR	50
Accessories (page 12-109)	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: A-B Rail	**1492-N1**	20	**1492-N1**	20	**1492-N1**	20
3 ft Rigid A-B Rail	**1492-N22**	20	**1492-N22**	20	**1492-N22**	20
3 ft High-Rise A-B Rail	—	—	—	—	**1492-N44**	2
Standoff Brackets (use every 12 in.)	**1492-N25**	2	**1492-N25**	2	**1492-N25**	2
1 m Symmetrical DIN	**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 Barrier	**1492-NM16**	50	**1492-NM16**	50	**1492-NM16**	50
End Anchors: A-B Rail	**1492-N23**	10	**1492-N23**	10	**1492-N23**	10
A-B Rail — Normal Duty	**1492-N47**	50	**1492-N47**	50	**1492-N47**	50
A-B Rail — Retaining Clip — Light Duty	**1492-N2**	50	**1492-N2**	50	**1492-N2**	50
DIN Rail — Normal Duty	**1492-EAJ35**	100	**1492-EAJ35**	100	—	—
DIN Rail — Heavy Duty	**1492-EAHJ35**	50	**1492-EAHJ35**	50	—	—
Jumpers: 2-pole Uninsulated	**1492-N3**	50	**1492-N3**	50	**1492-N3**	50
50-pole Uninsulated	**1492-N30**	10	**1492-N30**	10	**1492-N30**	10
Fanning Strip (12-pole can cut to desired length)	**1492-N20**	1	**1492-N20**	1	**1492-N20**	1
Marking Systems	**1492-N45**	20	**1492-N45**	20	**1492-N45**	20

	1492-CAM2	1492-CD2	1492-CE2
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	*Terminal block, tubular screw without pressure plate, multi-rail mountable.*	*Terminal block, tubular screw without pressure plate.*	*Terminal block, tubular screw without pressure plate.*
Certifications	cULus/CSA	cULus/CSA	cULus/CSA
Voltage Rating	600V AC/DC	600V AC/DC	600V AC/DC
Maximum Current	55 A	100 A	195 A
Wire Range (Rated Cross Section)	#18…#8 AWG (1…10 mm²)	#14…#4 AWG (2.5…25 mm²)	#12…#1/0 AWG (4…50 mm²)
Wire Strip Length	0.38 in. (9.7 mm)	0.44 in. (11.2 mm)	0.69 in. (17.5 mm)
Recommended Tightening Torque	10…16 lb•in (1.1…1.8 N•m)	22…30 lb•in (2.5…3.4 N•m)	50 lb•in (5.6 N•m)
Density	30 pcs/ft (98 pcs/m)	22 pcs/ft (72 pcs/m)	16 pcs/ft (52 pcs/m)
Insulation Temperature Range	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)	–40…+221 °F (–40…+105 °C)

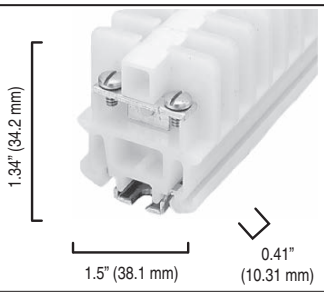
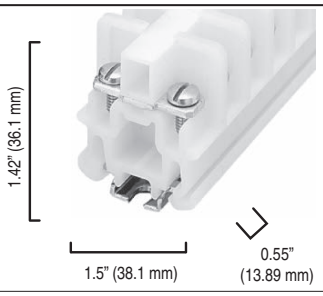
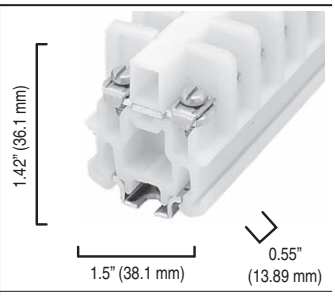
Terminal Blocks	**Cat. No.**	**Pkg Qty.**	Cat. No.	Pkg Qty.	**Cat. No.**	**Pkg Qty.**
Color: White	**1492-CAM2**	50	**1492-CD2**	50	**1492-CE2**	10
Two 3 ft Rails White	—	—	**1492-CD2130**(65/Rail)	1	—	—
Red	1492-CAM2RE	50	1492-CD2RE	50	1492-CE2RE	10
Blue	1492-CAM2B	50	1492-CD2B	50	1492-CE2B	10
Black	1492-CAM2BL	50	1492-CD2BL	50	1492-CE2BL	10
Green	1492-CAM2G	50	**1492-CD2G**	50	**1492-CE2G**	10
Yellow	1492-CAM2Y	50	1492-CD2Y	50	1492-CE2Y	10
Brown	1492-CAM2BR	50	1492-CD2BR	50	1492-CE2BR	10
Violet	1492-CAM2VT	50	1492-CD2VT	50	1492-CE2VT	10
Grey	1492-CAM2GY	50	1492-CD2GY	50	1492-CE2GY	10
Orange	1492-CAM2OR	50	1492-CD2OR	50	1492-CE2OR	10
Accessories page 12-109	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: A-B Rail	**1492-N1**	20	**1492-N1**	20	**1492-N1**	20
3 ft Rigid A-B Rail	**1492-N22**	20	**1492-N22**	20	**1492-N22**	20
3 ft High-Rise A-B Rail	—	—	**1492-N44**	2	**1492-N44**	2
Standoff Brackets (use every 12 in.)	**1492-N25**	2	**1492-N25**	2	**1492-N25**	2
1 m Symmetrical DIN	**199-DR1**	10	—	—	—	—
1 m Symmetrical DIN (Aluminum)	**1492-DR5**	10	—	—	—	—
1 m Hi-Rise Sym. DIN (Aluminum)	**1492-DR6**	2	—	—	—	—
1 m Angled Hi-Rise Sym. DIN (Steel)	**1492-DR7**	2	—	—	—	—
End Barrier	**1492-NM16**	50	**1492-N16**	50	**1492-N17**	50
End Anchors: A-B Rail	**1492-N23**	10	**1492-N23**	10	**1492-N23**	10
A-B Rail — Normal Duty	**1492-N47**	50	**1492-N47**	50	**1492-N47**	50
A-B Rail — Retaining Clip — Light Duty	**1492-N2**	50	—	—	—	—
DIN Rail — Normal Duty	**1492-EAJ35**	100	—	—	—	—
DIN Rail — Heavy Duty	**1492-EAHJ35**	50	—	—	—	—
Jumpers: 2-pole Uninsulated	**1492-N3**	50	—	—	**1492-N21**	10
50-pole Uninsulated	**1492-N30**	10	—	—	—	—
Fanning Strip (12-pole can cut to desired length)	**1492-N20**	1	—	—	—	—
Marking Systems	**1492-N45**	20	**1492-N8**	25	**1492-N45**	25

Short-Circuit Current Ratings — Fuse Ratings

Cat. No.	Wire CU AWG		Overcurrent Protection Fuse Required Class/Max. Amp Rating						Maximum Voltage	SCCR, RMS SYM [A]
	Line	Load	J	T	RK1	RK5	G	CC		
1492-CAM1	14…8	14…8	60	60	30	—	50	30	600	100,000
1492-CD2	14…4	14…4	100	100	60	30	60	30	600	100,000
1492-CE2	12…1/0	12...1/0	100	100	60	30	60	30	600	100,000

NEMA/EEMAC Terminal Blocks

Open Construction Blocks

	1492-CA3		1492-CD3		1492-CD8	
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	***Terminal block, screw terminal with #6 screw.***		***Terminal block, screw terminal with #8 screw.***		***Terminal block, screw terminal with wire clamp.***	
Certifications	cULus/CSA		cULus/CSA		cULus/CSA	
Voltage Rating	600V AC/DC		600V AC/DC		600V AC/DC	
Maximum Current	20 A		35 A		35 A	
Wire Range (Rated Cross Section)	#22…14 AWG (0.5…2.5 mm²)		#22…10 AWG (0.5…6 mm²)		#22…10 AWG (0.5…6 mm²)	
Wire Strip Length	Prepared Conductors Only∗		Prepared Conductors Only∗		0.38 in. (9.7 mm)	
Recommended Tightening Torque	12 lb•in (1.4 N•m)		10…16 lb•in (1.1…1.8 N•m)		10…16 lb•in (1.1…1.8 N•m)	
Density	30 pcs/ft (98 pcs/m)		22 pcs/ft (72 pcs/m)		22 pcs/ft (72 pcs/m)	
Insulation Temperature Range	–40…+221 °F (–40…+105 °C)		–40…+221 °F (–40…+105 °C)		–40…+221 °F (–40…+105 °C)	
Terminal Blocks	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Color: White	**1492-CA3**	50	**1492-CD3**	50	**1492-CD8**	50
Two 3 ft Rails White	1492-CA3175 (88 pcs/rail)	1	1492-CD3130 (65 pcs/rail)	1	**1492-CD8130** (65pcs/rail)	1
Red	1492-CA3RE	50	**1492-CD3RE**	50	1492-CD8RE	50
Blue	1492-CA3B	50	1492-CD3B	50	1492-CD8B	50
Black	1492-CA3BL	50	1492-CD3BL	50	1492-CD8BL	50
Green	1492-CA3G	50	**1492-CD3G**	50	1492-CD8G	50
Yellow	1492-CA3Y	50	1492-CD3Y	50	1492-CD8Y	50
Brown	1492-CA3BR	50	1492-CD3BR	50	1492-CD8BR	50
Violet	1492-CA3VT	50	1492-CD3VT	50	1492-CD8VT	50
Grey	1492-CA3GY	50	**1492-CD3GY**	50	1492-CD8GY	50
Orange	1492-CA3OR	50	1492-CD3OR	50	1492-CD8OR	50
Accessories (page 12-109)	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Mounting Rails: A-B Rail	**1492-N1**	20	**1492-N1**	20	**1492-N1**	20
3 ft Rigid A-B Rail	**1492-N22**	20	**1492-N22**	20	**1492-N22**	20
3 ft High-Rise A-B Rail	**1492-N44**	2	**1492-N44**	2	**1492-N44**	2
Standoff Brackets (use every 12 in.)	**1492-N25**	2	**1492-N25**	2	**1492-N25**	2
End Barrier	**1492-N16**	50	**1492-N16**	50	**1492-N16**	50
End Anchors: A-B Rail	**1492-N23**	10	**1492-N23**	10	**1492-N23**	10
A-B Rail — Snap-On	**1492-N47**	50	1492-N47	50	1492-N47	50
A-B Rail — Retaining Clip — Light Duty	**1492-N2**	50	**1492-N2**	50	**1492-N2**	50
Jumpers: 2-pole Uninsulated	**1492-N14**	50	**1492-N15**	50	**1492-N15**	50
50-pole Uninsulated	—	—	—	—	—	—
Marking Systems	**1492-N8**	25	**1492-N8**	25	**1492-N8**	25

∗ Prepared conductors utilize ring, spade, or hook connectors.

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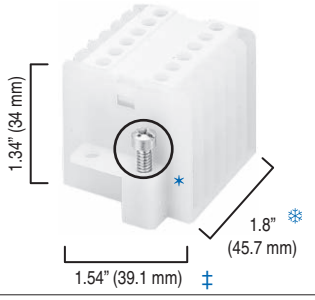
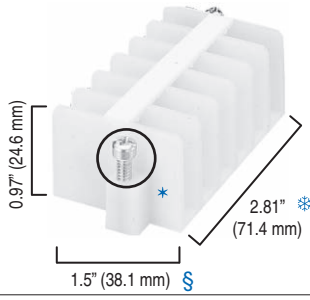
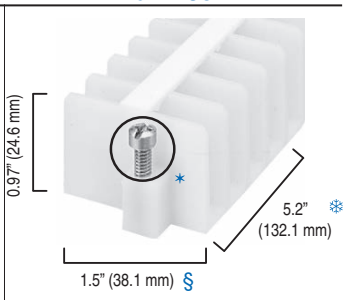
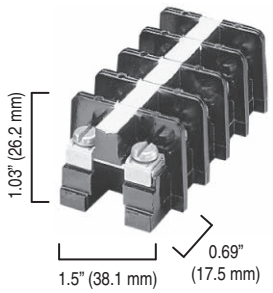
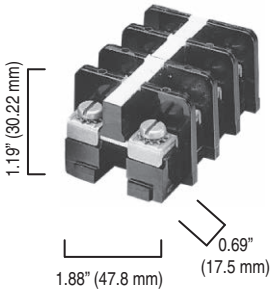
	1492-HC6		1492-HJ86		1492-HJ812	
Dimensions are not intended to be used for manufacturing purposes.						
Specifications	High-density 6-pole panel mount terminal block. Can be interconnected to make 12- and 18-pole units.		Standard 6-pole panel mount block. Screw terminal with wire clamp.		Standard 12-pole panel mount block. Screw terminal with wire clamp.	
Certifications	cULus/CSA		cULus/CSA		cULus/CSA	
Voltage Rating	600V AC/DC		600V AC/DC		600V AC/DC	
Maximum Current (per pole)	25 A		25 A		25 A	
Wire Range (Rated Cross Section)	#30…#12 AWG (0.05…4 mm²)		#16…#12 AWG (1.5…4 mm²)		#16…#12 AWG (1.5…4 mm²)	
Wire Strip Length	0.38 in. (9.7 mm)		0.38 in. (9.7 mm)		0.38 in. (9.7 mm)	
Recommended Tightening Torque	3…7 lb•in (0.3…0.8 N•m)		8…16 lb•in (0.9…1.8 N•m)		8…16 lb•in (0.9…1.8 N•m)	
Insulation Temperature Range	–40…+221 °F (–40…+10 5°C)		–40…+221 °F (–40…+105 °C)		–40…+221 °F (–40…+105 °C)	
Terminal Blocks	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.
Terminal Block	**1492-HC6**	1	**1492-HJ86**	1	**1492-HJ812**	1
Accessories (page 12-109)	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.
Jumpers: 2-Pole Uninsulated	**1492-N38**	50	**1492-N38**	50	**1492-N38**	50
50-pole Uninsulated	**1492-N39**	10	—	—	—	—
Insulating Sleeve	**1492-SJS**	10	—	—	—	—
Anchor Unit: (required every 12th block)	Not Required	—	Not Required	—	Not Required	—
End Piece	Not Required	—	Not Required	—	Not Required	—

✶ #8-32 screw.
❄ Measurement between mounting screw centers.
‡ Mounting screws are offset 0.31 in. (7.9 mm) from centerline.
§ Mounting screws are offset 0.19 in. (4.76 mm) from centerline.

	1492-15T		1492-25T	
Dimensions are not intended to be used for manufacturing purposes.				
Specifications	High temperature 1-pole panel mount block, wire clamp. Gangable for multi-pole installation.		High temperature 1-pole panel mount block, wire clamp. Gangable for multi-pole installation.	
Voltage Rating	600V AC/DC		600V AC/DC	
Maximum Current (per pole)	35 A		45 A	
Wire Range (Rated Cross Section)	#16…12 AWG (1.5…4 mm²)		#16…10 AWG (1.5…6 mm²)	
Wire Strip Length	0.38 in. (9.7 mm)		0.38 in. (9.7 mm)	
Recommended Tightening Torque	10…16 lb•in (1.1…1.8 N•m)		10…16 lb•in (1.1…1.8 N•m)	
Insulation Temperature Range	–40…+300 °F (–40…+149 °C)		–40…+300 °F (–40…+149 °C)	
Terminal Blocks	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.
Terminal Block	**1492-15T**	100	**1492-25T**	100
Accessories (page 12-109)	Cat. No.	Pkg Qty.	Cat. No.	Pkg Qty.
Anchor Unit: (required every 12th block)	1492-25A	10	1492-25A	10
End Piece	**1492-15E**	25	**1492-25E**	25

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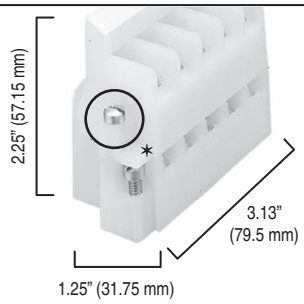
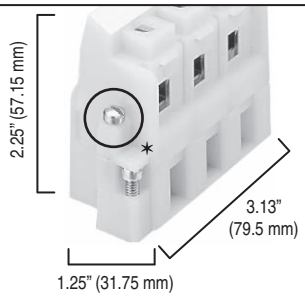
NEMA/EEMAC Terminal Blocks

Panel Mount Blocks

	1492-EC85		1492-ED103	
Dimensions are not intended to be used for manufacturing purposes.				
Specifications	5-pole terminal block. Pulls apart to disconnect all poles from the circuit.		3-pole terminal block. Pulls apart to disconnect all poles from the circuit.	
Certifications (See page 12-3)	/CSA		/CSA	
Voltage Rating	600V AC/DC		600V AC/DC	
Maximum Current (per pole)	25 A		60 A	
Wire Range (Rated Cross Section)❄	#20…12 AWG (0.75…4 mm²)		#14…4 AWG (2.5…25 mm²)	
Wire Strip Length	0.38 in. (9.7 mm)		0.38 in. (9.7 mm)	
Recommended Tightening Torque	6…16 lb•in (0.7…1.8 N•m)		10…30 lb•in (1.1…3.4 N•m)	
Insulation Temperature Range	–40…+22 °F (–40…+105 °C)		–40…+221 °F (–40…+105 °C)	
Terminal Blocks	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Terminal Block	**1492-EC85**	1	**1492-ED103**	1
Accessories (page 12-109)	**Cat. No.**	**Pkg Qty.**	**Cat. No.**	**Pkg Qty.**
Jumpers: 2-Pole Uninsulated	**1492-N38**	50	**1492-N38**	50
Anchor Unit: (required every 12th block)	Not Required	—	Not Required	—
End Piece	Not Required	—	Not Required	—

✶ #8-32 screw.

❄ Both terminal blocks accept 1 wire per terminal.

Mounting Rails

Mounting rails allow many blocks to be fastened in a panel with only a few screws to anchor the rail to the panel. Mounting rails allow easy installation and removal of a block in a row.

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.

End Barriers

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

Side Jumpers

Side jumpers use the terminal block wire openings. Multi-pole jumpers can be cut into a smaller number of poles. 2-pole jumpers are also available for some blocks. All jumpers except the 1492-N21 carry 100% of rated terminal block current. The 1492-N21 carries 100 A. The backs of IEC-style jumpers are insulated with plastic. An adjacent partition plate provides the necessary electrical spacings between adjacent jumpers or between exposed ends of cut jumpers.

Fanning Strips

Fanning strips, used with the Cat. No. 1492-CA1, -CA2, and -CAM2 terminal blocks, keep wires in an orderly row and allow easy disconnect and reconnect of multiple adjacent wires.

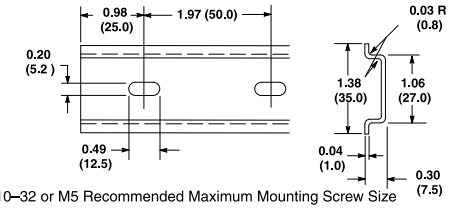
Marking Systems

Various marking systems are available to simplify circuit identification. NEMA blocks come with a painted surface; IEC blocks use snap-in markers. Markers are available in blank form for hand writing, pre-printed in ascending number format, or custom printed for unique requirements. Extended marking strips and adhesive labels are available for long circuit identifications. A group marking carrier for easy group terminal block identification is also available. Marking rods can be used with QuickClamp style terminal blocks to simplify mass solutions. Pre-printed, single-digit, alphanumeric marker tabs are also available.

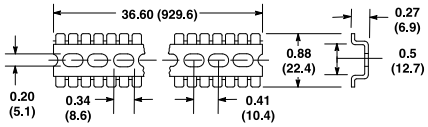
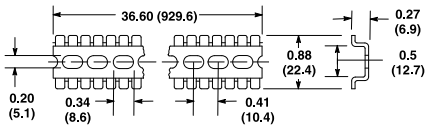
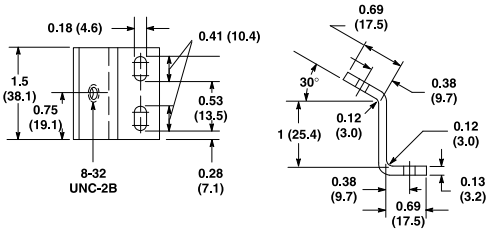
Specifications/Agency Approvals

In general, accessories for terminal blocks are not eligible for recognition by UL, CSA, or other third-party approval agencies. The suitability of the installation must be judged in the end use application due to the wide variety of possible uses. However, accessories are designed to meet, and are tested to, the terminal block assembly requirements such as electrical spacings, etc.

Mounting Rails

Cat. No.	Description	Pkg Qty.	Dimensions∗
199-DR1 	**DIN (#3) Symmetrical Rail** 35 mm x 7.5 mm x 1 m long Zinc-plated, yellow chromated EN50022 **DIN #3**	10	 #10–32 or M5 Recommended Maximum Mounting Screw Size
199-DR2	Same as 199-DR1, but length = 2 m	20	

∗ Dimensions shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

Cat. No.	Description	Pkg. Qty.	Dimensions∗
1492-N1 	Breakaway Mounting Rail — 3 ft (0.91 m) long; scored every 0.203 in. (5.2 mm) so it will break off to the desired length	20	 #8-32 or M4 Recommended Mounting Screw Size
1492-N22 	Rigid Mounting Rail — 3 ft (0.91 m) long	20	 #8-32 or M4 Recommended Mounting Screw Size
1492-N25 	Mounting Rail Standoff Brackets — Used with Cat. No. 1492-N22 rigid mounting rail	20	

∗ Dimensions shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

NEMA Terminal Block Accessories

1492-N26		1492-N32		1492-N27		1492-N28		1492-N29	
									
External Mounting Feet		Internal Mounting Feet		Side Plate Extensions		18 in Bridge		12 in Bridge	
Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
1492-N26	1 Kit	**1492-N32**	1 Kit	**1492-N27**	1 Kit	**1492-N28**	1	1492-N29	1

Description — Stacking bridges are used with Style C, F, and H rail-mounted terminal blocks. They are designed to save panel space and increase terminal accessibility. Stacking bridge kits allow stacking of up to four terminal block strips. A stacking bridge consists of mounting feet, side plate extensions, and 12 in. or 18. in bridges.

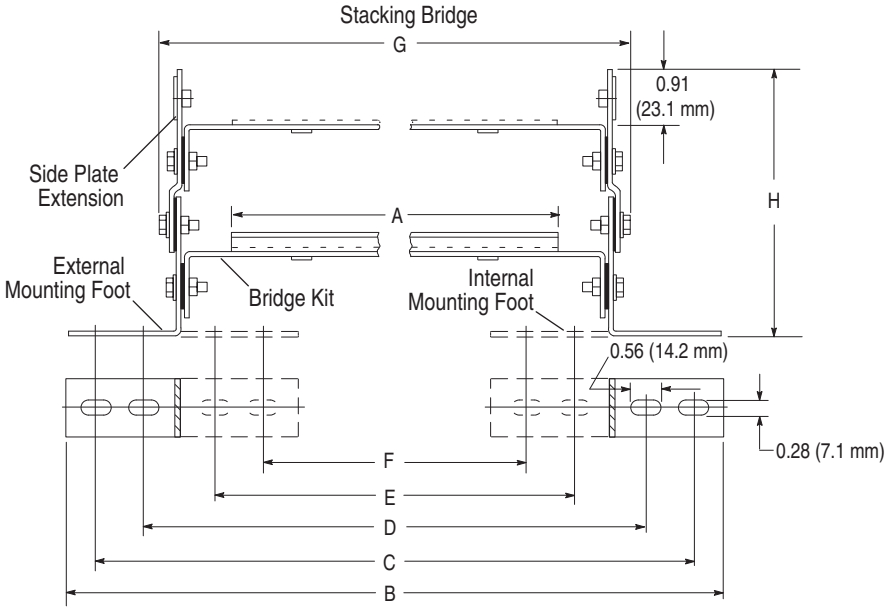
Note: **Rigid mounting rail is attached to the bridge.** Five kits are available to custom build stacking bridges as listed in the above table. **Fuse blocks, disconnect blocks, large Style C terminal blocks (Cat. No. 1492-CE2) and circuit breakers should only be mounted on the upper-most bridge of any assembly.**

Ordering Example — A typical ordering example for a **Two-Level 18 in. Stacking Bridge** is as follows:

- One **Cat. No. 1492-N26** or **1492-N32** mounting foot kit.
- One **Cat. No. 1492-N27** side plate extension kit, and two **Cat. No. 1492-N28** 18 in bridges.

Both 12 in. and 18 in. stacking bridges are built in this manner with up to four levels maximum.

Stacking Bridge

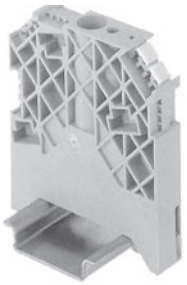


Stacking Bridge Size	A	B	C	D	E	F	G	H No. of Levels 1	2	3	4
12 in.	12.06 (306.3)	18.06 (458.7)	17 (431.8)	15.19 (385.8)	12.69 (322.3)	10.97 (278.6)	14.53 (369.1)	2.34 (59.5)	4.50 (114.3)	6.63 (168.4)	8.78 (223.0)
18 in.	18.63 (473.2)	24.06 (611.1)	23 (584.2)	21.19 (538.2)	18.69 (474.7)	16.97 (431.0)	20.53 (521.5)	2.34 (59.5)	4.50 (114.3)	6.63 (168.4)	8.78 (223.0)

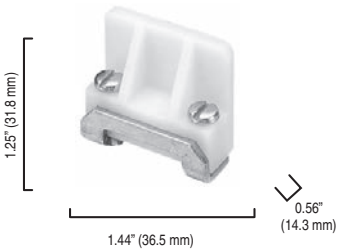
Note: Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

End Anchors

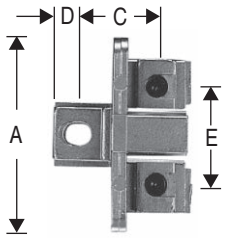
1492-EAHJ35



1492-N23

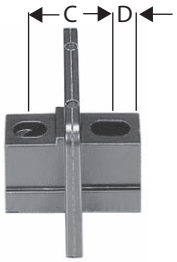


1492-15A, 1492-25A



A = Width
B = Height

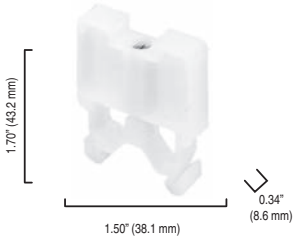
1492-15E, 1492-25E



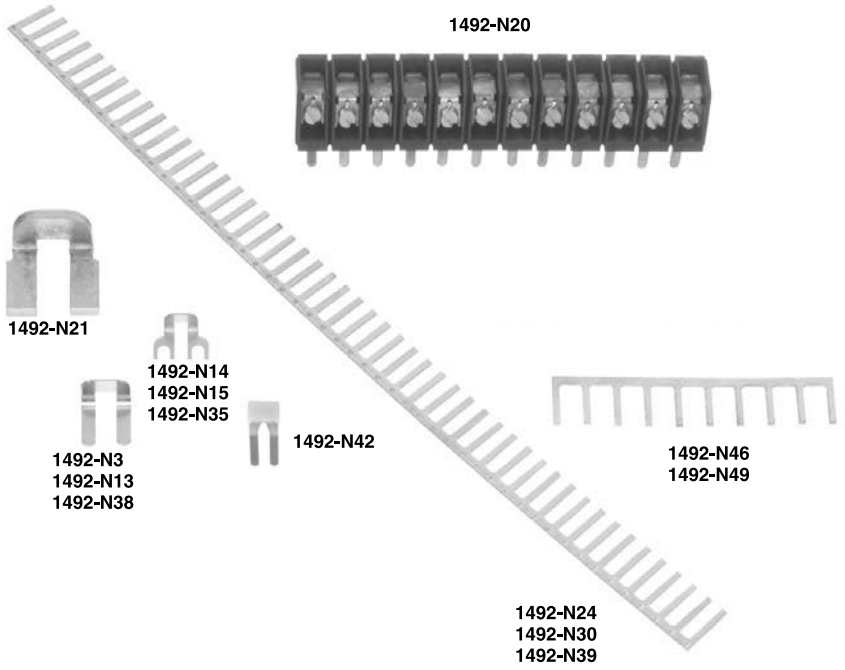
A = Width
B = Height

1492-N2

1492-N47



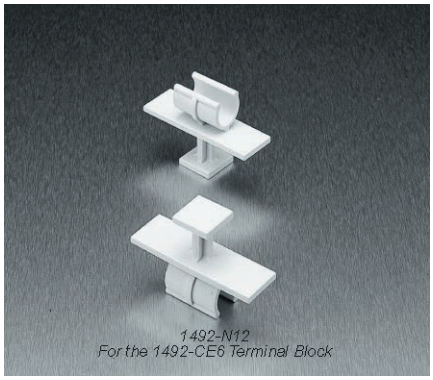
Cat. No.	A	B	C	D	E
1492-15A	1.5 in. (38.1 mm)	1.03 in. (26.2 mm)	0.594 in. (15.1 mm)	0.234 in. (5.9 mm)	0.75 in. (19.1 mm)
1492-15E	1.5 in. (38.1 mm)	1.03 in. (26.2 mm)	0.594 in. (15.1 mm)	0.234 in. (5.9 mm)	—
1492-25A	1.88 in. (47.8 mm)	1.19 in. (30.2 mm)	0.688 in. (17.5 mm)	0.203 in. (5.2 mm)	0.97 in. (24.6 mm)
1492-25E	1.88 in. (47.8 mm)	1.19 in. (30.2 mm)	0.688 in. (17.5 mm)	0.234 in. (5.9 mm)	—



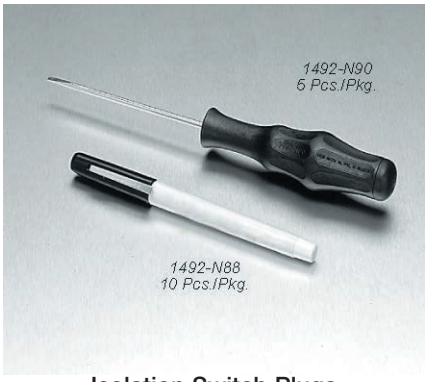
∗ The 1492-SJS Insulating Sleeve reduces exposure to live parts on the 1492-N39 and 1492-N49. The 1492-SJS used with the 1492-N39 and 1492-H1 or 1492-HM1 provides IEC 947 IP2X finger protection.

NEMA Terminal Block Accessories

Fuse Puller



Screwdriver and Marking Pen



Isolation Switch Plugs
Cat. No. 1492-ISOSW-1

Test Plug/Test Sockets

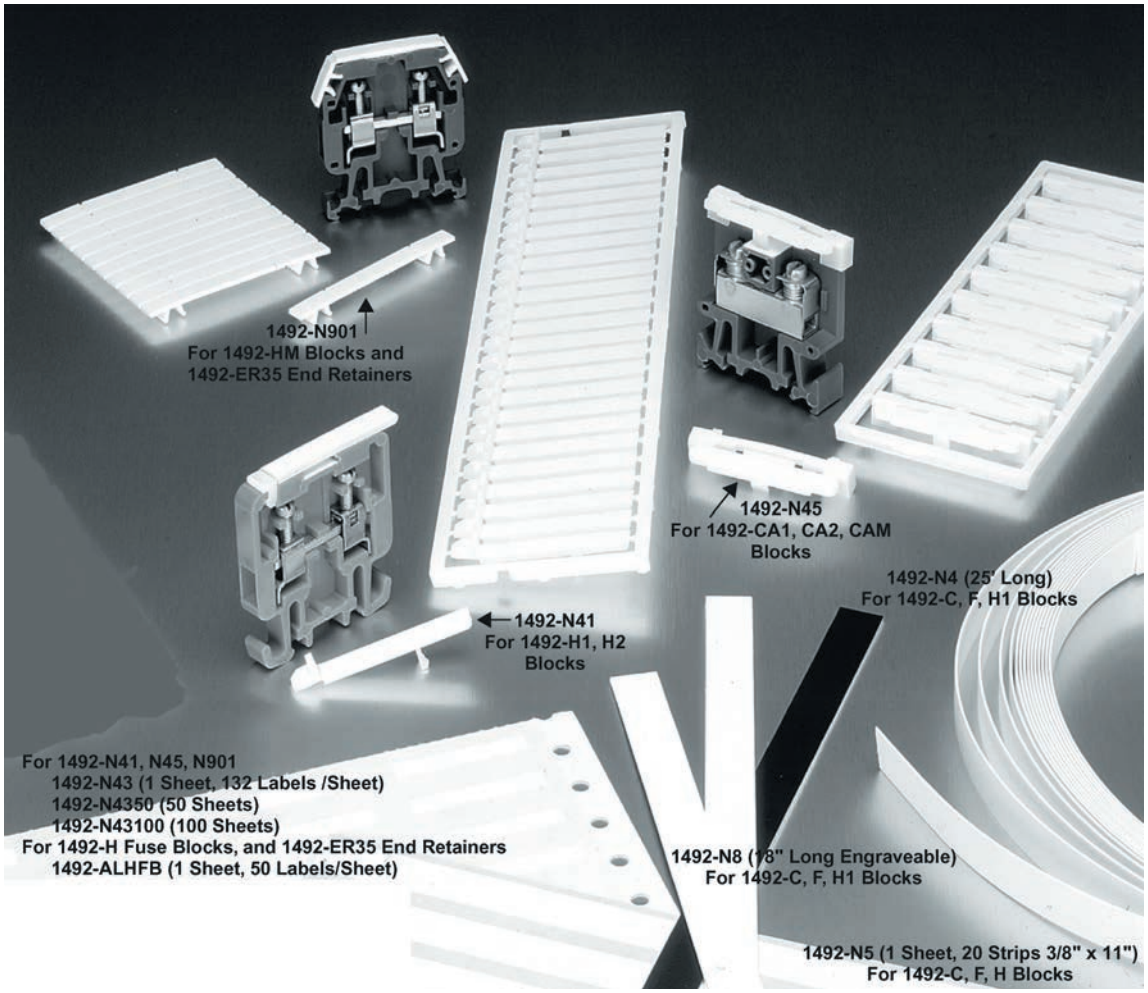
Cat. No. 1492-TP28

Cat. No. 1492-TA285

Cat. Nos. 1492-TA40, 1492-TA40L

Cat. No. 1492-TP15

Cat. No. 1492-TP23



Cat. No. 1492-N901 For 1492-HM Blocks and 1492-ER35 End Retainers

Cat. No. 1492-N45 For 1492-CA1, CA2, CAM Blocks

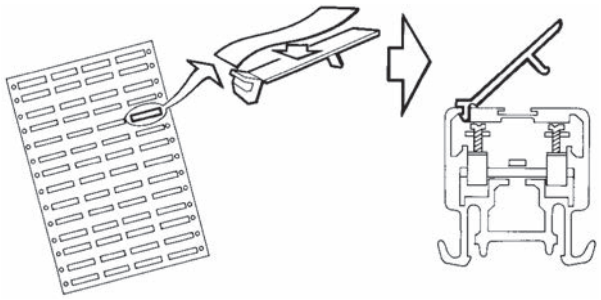
Cat. No. 1492-N41 For 1492-H1, H2 Blocks

Cat. No. 1492-N8 (18 in. Long Engraveable) For 1492-C, F, H1 Blocks

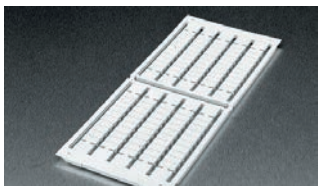
For Cat. Nos. 1492-N41, N45, N901
Cat. No. 1492-N43 (1 Sheet, 132 Labels /Sheet)
Cat. No. 1492-N4350 (50 Sheets)
Cat. No. 1492-N43100 (100 Sheets)
For Cat. Nos. 1492-H Fuse Blocks, and 1492-ER35 End Retainers
Cat. No. 1492-ALHFB (1 Sheet, 50 Labels/Sheet)

Cat. No. 1492-N5 (1 Sheet, 20 Strips 3/8 in x 11 in) For 1492-C, F, H Blocks

Placement of Label on Holder



Marker Cards



Cat. No.	No. of Labels/Card
1492-MS8X12	70
1492-MN81	—
1492-MN83	—

Cat. No.	Pkg Qty.
1492-ALHFB	1
1492-ALWFB	1
1492-N4	1
1492-N5	1
1492-N8	25
1492-N41	50
1492-N43	1
1492-N45	20
1492-N901	50
1492-N4350	1
1492-N43100	1

NEMA Terminal Block Accessories

Specifications

Multiple Wire Connection Combination for Stranded Copper Conductors of the Same Gross Section for Allen-Bradley Terminal Blocks

Terminal Blocks

Cat. No.	Wire Size AWG (mm²)					
	#22	#20 (0.5)	#18 (0.75)	#16 (1.5)	#14 (2.5)	#12 (4)
	Number of the Same-Size Wires Per Terminal					
1492-H4, -H5, -H6, -H7	4	4	3	2	2	1

Fingersafe Terminal Blocks

Cat. No.	Fingersafe Terminal Blocks							
	#22	#20 (0.5)	#18 (0.75)	#16 (1.5)	#14 (2.5)	#12 (4)	#10 (6)	#8 (10)
	Number of the Same-Size Wires Per Terminal							
∗ **1492-HM1**	4	4	3	2	2	1	—	—
∗ 1492-HM2	4	4	3	2	2	1	—	—
1492-HC6	4	4	3	2	2	1	—	—
∗ **1492-HM3**	4	4	4	3	2	2	1	1

∗ Dimensions for other colors are identical.

NEMA and IEC Terminal Block Component Specifications∗

Tie Point Terminal Blocks — Type HM2C and WD4C

ATTENTION

The total current flow through these terminal blocks (the sum of all inputs or the sum of all outputs) must not exceed the rated current for the device.

Description	Type	Rating
Maximum Total Current Flow Through the Terminal Block	H2C, HM2C	10 A
Maximum Working Voltage	H2C, HM2C	600V
Operating Ambient Temperature Range	All	-4…+104 °F (-20…+40 °C)
Storage Temperature Range	All	-40…+167 °F (-40…+75 °C)

Diode Terminal Blocks — Types H2D, HHM2D, WD2D, WD2DR, RD3DF and RD3DR

Description	Symbol	Type	Rating
Peak Repetitive Reverse Voltage	V (RRM)	H2D, HM2D	600V
Working Peak Reverse Voltage	V (RWM) V (R)	RD3DF, RD3DR WD4DF, WD4DR	300V
Non-Repetitive Peak Reverse Voltage (Halfwave, single-phase, 60 Hz)	V (RSM)	H2D, HM2D	600V
RMS Reverse Voltage❄	V (Rms)	H2D, HM2D	600V
Average Rectified Forward Current Single-Phase, Resistive Load, 60 Hz	I (O)	All	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	All	30 A (1 cycle)
Maximum Forward Voltage Drop [*I* (f) = 1.0 A]	V (F)	All	1.1V
Maximum Reverse Current	I (R)	All	10 µA
Operating Ambient Temperature Range	T (A)	All	–4…+104 °F (–20…+40 °C)
Storage Temperature Range	T (S)	All	–40…+167 °F (–40…+75 °C)

❄ The maximum voltage rating of the diode terminal blocks listed in the above table should not be exceeded even through the maximum reverse voltage rating of the diode alone is 1000V.

All parameters measured at 77 °F (25 °C).

Resistor Terminal Blocks — Types H2RA, H2RB, H2RC, HM2RA, HM2RB, HM3RB∗

Description	Model Code Identifier	Rating
Resistor Type	A	Carbon Fixed Resistor‡
	B	Metal Film Resistor§
	C	Wire Wound Precision Resistor
Standard Resistance Range	A	1.0 (Ω)…100 M (Ω)
	B	1.0 (Ω)…4.75 M (Ω)
	C	249 (Ω)
Resistance Tolerance	A	± 5%
	B	± 1%
	C	± 1%
Power Rating (Resistor) Maximum Continuous Watts at 86 °F (30 °C) Ambient	A	0.5 W
	B	0.25 W
	C	0.5 W
Rated Continuous Working Voltage (Resistor)	A	0.5 x R or 300V Max.
	B	0.25 x R or 250V Max.
	C	0.5 x R or 250V Max.
Operating Ambient Temperature Range	All	–4…+104 °F (–20…+40 °C)
Storage Temperature Range	All	–40…+167 °F (–40…+75 °C)
Dielectric Withstanding Voltage (Resistor)	A	700V
	B & C	500V

∗ Performance Data — See this catalog, Important- 3.

‡ The power rating of the resistor block operating in ambient temperatures of 86…104 °F (30…40 °C) should be derated for maximum resistor life. The derating curve is linear between 86 °F (30 °C) and 104 °F (40 °C) where the power rating is 100% of specified power at 86 °F (30 °C) and 85% at 104 °F (40 °C).

§ For further information on resistor performance, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

Resistor Codes for 1492-RD3RB…, -H2RB… and -HM2RB Terminal Blocks

Ordering Information

In order to complete the cat. no. for **1492-RD3RB…, 1492-H2RB, and 1492-HM2RB**, add the desired resistor code from the table below. Example: Cat. No. **1492-RD3RB101** is a resistor terminal block with a 100 (Ω) — 1/4 W resistor.

Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code
10	100	267	271	8250	822	0.221M	224
11	110	301	301	9090	912	0.243M	244
12.1	120	332	331	10 000	103	0.267M	274
13	130	357	361	11 000	113	0.301M	304
15	150	392	391	12 100	123	0.332M	334
16	160	432	431	13 000	133	0.357M	364
18.2	180	475	471	15 000	153	0.392M	394
20	200	511	511	16 200	163	0.432M	434
22.1	220	562	561	18 200	183	0.475M	474
24.3	240	619	621	20 000	203	0.511M	514
26.7	270	681	681	22 100	223	0.562M	564
30.1	300	750	751	24 300	243	0.619M	624
33.2	330	825	821	26 700	273	0.681M	684
35.7	360	909	910	30 100	303	0.75M	754
39.2	390	1000	102	33 200	333	0.825M	824
43.2	430	1100	112	35 700	363	0.909M	914
47.5	470	1210	122	39 200	393	1.0M	105
51.1	510	1300	132	43 200	433	1.1M	115
56.2	560	1500	152	47 500	473	1.24M	125
61.9	620	1620	162	51 100	513	1.3M	135
68.1	680	1820	182	56 200	563	1.5M	155
75	750	2000	202	61 900	623	1.62M	165
82.5	820	2210	222	68 100	683	1.82M	185
90.9	910	2430	242	75 000	753	2.0M	205
100	101	2670	272	82 500	823	2.21M	225
110	111	2940	302	90 900	913	2.43M	245
121	121	3320	332	0.10M	104	2.67M	275
130	131	3570	362	0.11M	114	3.01M	305
150	151	3920	392	0.121M	124	3.32M	335
162	161	4750	472	0.13M	134	3.57M	365
182	181	5110	512	0.15M	154	3.92M	395
200	201	5620	562	0.162M	164	4.32M	435
221	221	6810	682	0.182M	184	4.75M	475
243	241	7500	752	0.20M	204	249	001

Resistor Codes for 1492-H2RA... and -HM2RA Terminal Blocks

Ordering Information

In order to complete the cat. no. for **1492-H2RA...** and **1492-HM2RA**, add the desired resistor code from the table below. Example: Cat. No. **1492-H2RA101** is a resistor terminal block with a 100 (Ω) — 1/2 W resistor.

Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code
1.0	10G	43	430	1800	182	75000	753	3.3M	335
1.1	11G	47	470	2000	202	82000	823	3.6M	365
1.2	12G	51	510	2200	222	91000	913	3.9M	395
1.3	13G	56	560	2400	242	0.10M	104	4.3M	435
1.5	15G	62	620	2700	272	0.11M	114	4.7M	475
1.6	16G	68	680	3000	302	0.12M	124	5.1M	515
1.8	18G	75	750	3300	332	0.13M	134	5.6M	565
2.0	20G	82	820	3600	362	0.15M	154	6.2M	625
2.2	22G	91	910	3900	392	0.16M	164	6.8M	685
2.4	24G	100	101	4300	432	0.18M	184	7.5M	755
2.7	27G	110	111	4700	472	0.20M	204	8.2M	825
3.0	30G	120	121	5100	512	0.22M	224	9.1M	915
3.3	33G	130	131	5600	562	0.24M	244	10M	106
3.6	36G	150	151	6200	622	0.27M	274	11M	116
3.9	39G	160	161	6800	682	0.30M	304	12M	126
4.3	43G	180	181	7500	752	0.33M	334	13M	136
4.7	47G	200	201	8200	822	0.36M	364	15M	156
5.1	51G	220	221	9100	912	0.39M	394	16M	166
5.6	56G	240	241	10 000	103	0.43M	434	18M	186
6.2	62G	270	271	11 000	113	0.47M	474	20M	206
6.8	68G	300	301	56 200	123	0.51M	514	22M	226
7.5	75G	330	331	12 000	133	0.56M	564	24M	246
8.2	82G	360	361	13 000	153	0.62M	624	27M	276
9.1	91G	390	391	15 000	163	0.68M	684	30M	306
10	100	430	431	18 000	183	0.75M	754	33M	336
11	110	470	471	20 000	203	0.82M	824	36M	366
12	120	510	511	22 000	223	0.91M	914	39M	396
13	130	560	561	24 000	243	1.0M	105	43M	436
15	150	620	621	27 000	273	1.1M	115	47M	476
16	160	680	681	30 000	303	1.2M	125	51M	516
18	180	750	751	33 000	333	1.3M	135	56M	566
20	200	820	821	36 000	363	1.5M	155	62M	626
22	220	910	911	39 000	393	1.6M	165	68M	686
24	240	1000	102	43 000	433	1.8M	185	75M	756
27	270	1100	112	47 000	473	2.0M	205	82M	826
30	300	1200	122	51 000	513	2.2M	225	91M	916
33	330	1300	132	56 000	563	2.4M	245	100M	107
36	360	1500	152	62 000	623	2.7M	275		
39	390	1600	162	68 000	683		305		

Surge Suppressor Performance Characteristics and Electrical Component Data*

Performance Characteristic	Surge Suppressor Terminal Blocks Cat. No. 1492-H2K024 1492-HM2K024	 Cat. No. 1492-H2K120 1492-HM2K120	 Cat. No. 1492-H2K240 1492-HM2K240
Nominal Working Voltage (Volts AC or DC) [V]	24	120	240
Maximum AC Working Voltage RMS Continuous (60 Hz) [V]	30	140	275
Maximum DC Working Voltage Continuous [V]	38	160	369
Maximum Clamping Voltage at Current Ip (8/20 µs pulse) [V]	92V I_p = 6 A	360V I_p = 14 A	710V I_p = 17 A
Maximum Voltage Rate of Rise Bulletin 100 Contactors Types A38...B180 Bulletin 500 Contactors & Starters, Size 0...5 Bulletin 700 Relays	—	<10 V/µs	<10 V/µs
Peak Current (8/20 µs pulse)	250 A	150 A	150 A
Typical Leakage Current at Nominal AC Working Voltage	1.0 mA	4.5 mA	10.0 mA
Metal Oxide Varistor (MOV) Maximum Clamping Voltage at Current Ip (8/20 µs Pulse) Maximum Transient Energy Maximum Power Dissipation	—	—	—

* Performance Data — See this catalog, Important 3.
Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of accelerated testing at elevated stress levels and the user should correlate it to actual application requirements. Actual performance is subject to WARRANTY and LIMIT OF LIABILITY.

Component Specifications

Characteristic	Suppressor Cat. No. 1492-H2K024 1492-HM2K024	Suppressor Cat. No. 1492-H2K120 1492-HM2K120	Suppressor Cat. No. 1492-H2K240 1492-HM2K240
Capacitor			
Nominal Value	0.10 µF	0.10 µF	0.10 µF
Tolerance	±20%	±20%	±20%
Maximum DC Working Voltage	500V DC	500V DC	500V DC
Metal Oxide Varistor (MOV)	92V	360V	710V
Maximum Clamping Voltage at Current I_p (8/20 µs Pulse)	I_p = 5 A	I_p = 10 A	I_p = 10 A
Maximum Transient Energy	1.8 J	12 J	23 J
Maximum Power Dissipation	0.25 W	0.25 W	0.25 W
Resistor			
Nominal Value	100 Ω	100 Ω	100 Ω
Tolerance	±20%	±20%	±20%
Power Rating	2 W at 104 °F (40 °C)	2 W at 104 °F (40 °C)	2 W at 104 °F (40 °C)

Technical Specifications for Fuse Plugs❄

Characteristic	1492-FP4	1492-FP424	1492-FP4250
Indicator Type	Non-Indicating	LED	Neon
Leakage Current	—	2 mA @ 24V	1 mA @ 264V
Working Voltage	Per Fuse Rating	10…57V AC/DC	85…264V AC
Fuse Size (Not Supplied)	5 x 20 mm		

❄ Maximum current rating for the fuse plug is 10 A at 250V. IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

UL/CSA File and Guide Numbers

Base Cat. No.	UL Number File	UL Number Guide	CSA Number File	CSA Number Class
1492-CA, -CE, -CD	E40735	XCFR2	LR67896	6228-01
1492-CB	E65138	QVNU2	LR37712	9091-01
1492-CE6	E34648	IZLT2	LR67896	6228-01
1492-F	E40735	XCFR2	LR67896	6228-01
1492-FB	E34646	IZLT	LR70915	6225-01
1492-H1, -H2, -HM1, -HM2, -HM3	E40735	XCFR2	LR67896	6228-01
1492-H4, -H5, -H6, -H7	E40735	XCFR2	LR67896	6228-01
1492-HC6, -HJ	E40735	XCFR2	LR67896	6228-01

Power Blocks

Product Overview

Bulletin 1492-PD

Bulletin 1492-PDE

Bulletin 1492-PDL

Bulletin 1492 — Power Blocks

Rockwell Automation offers a broad line of Allen-Bradley Power Distribution Blocks, which are designed to meet most application needs. The Power Blocks feature terminal identification options (either write-on marking surface or marker retention feature). In addition, mounting dimensions are provided with each unit and wire ranges and tightening torques are labeled on the product to simplify installation.

Five styles of power blocks are available:

- Mini blocks
- Open-style power distribution terminal blocks with aluminum or copper connectors
- Open-style feed-through/splicer terminal blocks with aluminum or copper connectors
- Enclosed power distribution terminal blocks with aluminum or copper connectors
- Power distribution terminal blocks with aluminum connectors with feeder spacing, high SCCR, and front barrier.

Table of Contents

Standards Compliance

UL 1059
CSA C22.2 No. 158
EN/IEC 60947-1, -7-1

Certifications

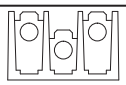
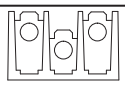
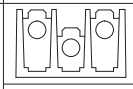
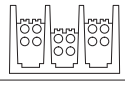
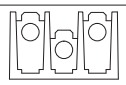
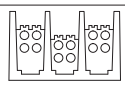
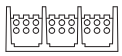
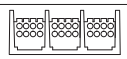
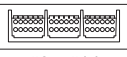
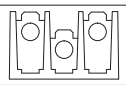
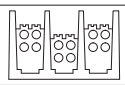
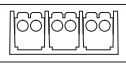
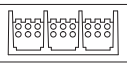
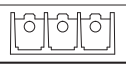
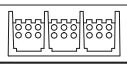
CE Marked
CSA Certified (File No. 72582, Class 6228-01)
UL Component Recognized (File No. E40735, Guide No. XCFR2)

Flammability Rating

94V-O

			
Bulletin	**1492-PD**	**1492-PDL**	**1492-PDE**
Features	Available as: • Mini-block • Power Distribution Block • Feed-through/Splice block • Protective Covers Available	• Service Entrance Spacing • Panel-mounting • Attached hinge-cover	• Can be mechanically connected for multiple pole requirements • Panel-mounting • Finger-safe from front
Current Range	115...760 A	175…335 A	175…510 A
Number of Poles	1- or 3-pole	3-pole	1-pole
Distribution Block Wiring	1, 4, 6, 8, and 12 wires per pole	1, 4, 6, 9, and 12 wires per pole	1, 2, 4, and 8 wires per pole
Max. Voltage Ratings	600V AC/DC	600V AC/DC	600V AC/DC
Insulation Material Max. Temp.	150 °C (302 °F)	150 °C (302 °F)	125 °C (257 °F)
Power Block Material	Aluminum or Copper	Aluminum	Aluminum or Copper
Wire Size	(2) 500 MCM…#14 per phase Cu	2/0... #14 AWG per phase Cu	400 kcmil... #14 AWG per phase Cu
Certifications	UR, CSA, CE	UR, CSA, CE	UR, CSA, CE
Product Selection	**Page 12-121**	**Page 12-124**	**Page 12-123**

High Fault SCCR Product Selection
Bulletin 1492-PD High Fault SCCR Ratings (with Fuses)

Cat. No.	No. of Poles	Amperage	Rated Wire Range		High Fault SCCR Ratings Conditions ✶								SCCR ❄	
					Suitable Conductors ‡ kcmil/AWG Copper Wire		Overcurrent Protection § Fuse Required Class/Max. Amp Rating							
			Line Wire Phase	Load Wire Phase	Line	Load	J	T	RK1	RKS	G	CC	RMS Sym A	Volts Max.
1492-PDM3111 Aluminum	3	115			#2…#6	#2…#6	200	200	200	100	60	30	100,000	600
			#2…#14 1	#2…#14 1	#8…#10	#8…#10	100	100	100	—	60	30	100,000	600
1492-PDM3141 Aluminum	3	115			#2…#6	#10…#14	200	200	200	100	60	30	200,000	600
			#2…#14 1	#10…#18 4	#8…#10	#14	100	100	100	30	50	30	100,000	600
1492-PD3141 Aluminum	3	175			#2/0…#6	#4…#14	200	200	200	100	60	30	100,000	600
			#2/0…#14 1	#4…#14 4										
1492-PD3163 Aluminum	3	335			400…3/0	#2…#8	400	400	400	200	—	30	200,000	600
							600	—	—	—	60	—	100,000	600
			400 kcmil…#6 1	#2…#14 8	2/0…#6	#2…#14	200	200	200	100	—	30 —	200,000	600
1492-PD3183 Aluminum	3	335			400…3/0	#2…#8	400	400	400	200	60	30	100,000	600
			400 kcmil…#6 1	#2…#14 8	2/0…#6	#2…#14	200	200	200	100	60	30	100,000	600
1492-PD31123 Aluminum	3	380			500…3/0	#2…#8	400	400	400	200	60	30	100,000	600
			500 kcmil…#4 1	#2…#14 12	2/0…#4	#2…#14	200	200	200	100	60	30	100,000	600
1492-PD3C141 Copper	3	175			2/0…#6	#4…#14	200	200	200	100	60	30	100,000	600
			2/0…#14 1	#4…#14 4										
1492-PD3C263 Copper	3	350			2/0…#2	#4…#8	400	400	400	100	60	30	100,000	600
			2/0…#14 2	#4…#14 6	#4…#6	#10…#14	200	200	200	100	60	30	100,000	600
1492-PD3C163 Copper	3	380			500…3/0	#2…#8	400	400	400	100	60	30	100,000	600
			500 kcmil…#4 1	#2…#14 6	2/0…#4	#2…#14	200	200	200	100	60	30	100,000	600

✶ **Short-circuit Current Rating (SCCR) Conditions** — Terminal blocks are considered suitable for use on a circuit capable of delivering not more than the stated SCCR at the maximum voltage specified when protected by the maximum ampere and Class of overcurrent protective device noted in the individual Recognitions.

❄ **Short-circuit Current Rating, (SCCR)** when noted additional conditions are provided. When larger overcurrent protection devices of type, or wire of different size is used, the Power Terminal block as a 10,000 amp withstand rating. **Note** the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

‡ **Size Range of Line and Load** conductors suitable to maintain noted SCCR.

§ **Maximum Size** of Line side overcurrent protection to provide noted SCCR.

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Cat. No.	High Fault SCCR Ratings Conditions ✶								SCCR ❄	
	Suitable Conductors kcmil/AWG Copper Wire		Overcurrent Protection § Fuse Required Class/Max. Amp Rating							
	Line [AWG]	Load [AWG]	J	T	RK1	RK5	G	CC	RMS Sym A	Volts Max.
1492-PDE1111	2/0…#6	#2…14	300	300	200	100	60	30	100,000	600
1492-PDE1C111	2/0…#6	#2…14	300	300	200	100	60	30	100,000	600
1492-PDE1141	2/0…#6	2/0…#6	300	300	200	100	60	30	100,000	600
1492-PDE1C141	2/0…#6	2/0…#6	300	300	200	100	60	30	100,000	600
1492-PDE1183	400…3/0	#2…8	400	400	400	200	60	30	100,000	600
	2/0…#6	#2…14	200	200	200	100	60	30	100,000	600
1492-PDE1C183	400…3/0	#2…8	400	400	400	200	60	30	100,000	600
	2/0…#6	#2…14	200	200	200	100	60	30	100,000	600
1492-PDE1225	250…1/0	250…1/0	600	600	600	—	—	—	50,000	600
			400	400	400	200	60	30	100,000	600
	#2…6	#2…6	400	400	400	200	60	30	100,000	600
1492-PDE1C225	250…1/0	250…1/0	600	600	600	—	—	—	50,000	600
			400	400	400	200	60	30	100,000	600
	#2…6	#2…6	400	400	400	200	60	30	100,000	600

✶ **Short-circuit Current Rating (SCCR) Conditions** — Terminal blocks are considered suitable for use on a circuit capable of delivering not more than the stated SCCR at the maximum voltage specified when protected by the maximum ampere and Class of overcurrent protective device noted in the individual Recognitions.

❄ **Short-circuit Current Rating, (SCCR)** when noted additional conditions are provided. When larger overcurrent protection devices of type, or wire of different size is used, the Power Terminal block as a 10,000 amp withstand rating. **Note** the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

‡ **Size Range of Line and Load** conductors suitable to maintain noted SCCR.

§ **Maximum Size** of Line side overcurrent protection to provide noted SCCR.

Cat. No.	High Fault SCCR Ratings Conditions ✶								SCCR ❄	
	Suitable Conductors kcmil/AWG Copper Wire		Overcurrent Protection § Fuse Required Class/Max. Amp Rating							
	Line	Load	J	T	RK1	RK5	G	CC	RMS Sym A	Volts Max.
1492-PDL3111	2/0…#6 AWG	2/0…#6 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3141	2/0…#6 AWG	#4…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3161	2/0…#6 AWG	#4…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL31S1	2/0…#6 AWG	2/0…#6 AWG	300	200	200	200	60	30	100,000	600
	#8…10 AWG	#8…10 AWG	300	100	100	100	60	30	100,000	600
1492-PDL3163	400 kcmil…3/0 AWG	#2…8 AWG	400	400	400	200	60	30	100,000	600
	2/0…#6 AWG	#2…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL3194	600 kcmil…3/0 AWG	1/0…#8 AWG	600	600	400	200	60	30	100,000	600
	2/0…#2 AWG	#2…14 AWG	200	200	200	100	60	30	100,000	600
1492-PDL31124	600 kcmil…3/0 AWG	4…8 AWG	600	600	400	—	—	—	100,000	600
	2/0…#2 AWG	#4…14	200	200	200	200	60	30	100,000	600

✶ **Short-circuit Current Rating (SCCR) Conditions** — Terminal blocks are considered suitable for use on a circuit capable of delivering not more than the stated SCCR at the maximum voltage specified when protected by the maximum ampere and Class of overcurrent protective device noted in the individual Recognitions.

❄ **Short-circuit Current Rating, (SCCR)** when noted additional conditions are provided. When larger overcurrent protection devices of type, or wire of different size is used, the Power Terminal block as a 10,000 amp withstand rating. **Note** the rated wire range of terminals may exceed the restrictive wire range used to provide higher SCCR.

‡ **Size Range of Line and Load** conductors suitable to maintain noted SCCR.

§ **Maximum Size** of Line side overcurrent protection to provide noted SCCR.

Mini Blocks

- Rated at 600V AC/DC, 115 A; these blocks offer high current-carrying capacity in a very small package to save on panel space
- Two configurations available: 3-pole feed-through with 1 line opening and 1 load opening per pole; 3-pole power distribution with 1 line opening and 4 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Open-Style Power Distribution and Splicer Blocks (with Aluminum or Copper Connectors)

- Rated at 600V AC/DC, 175…760 A
- 1- and 3-pole configurations
- 1 or 2 line openings per pole, 1, 2, 4, 6, 8, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

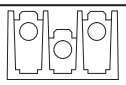
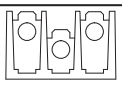
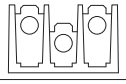
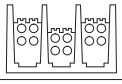
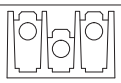
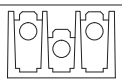
Enclosed Power Distribution Blocks (with Aluminum or Copper Connectors)

- IP20 from the front
- Rated at 600V AC/DC, 175…510 A
- Single-pole devices; gangable to create multi-pole solutions
- 1 or 2 line openings per pole, 1, 2, 4, or 8 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Power Distribution Blocks with Feeder Spacing, High SCCR and Front Barrier (with Aluminum Connectors)

- Three-pole devices
- 1 line opening per pole, 1, 4, 6, 9, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

Open Style Block with Aluminum Connectors

Cat. No.	No. of Poles	Amperage	Line			Load			Power Block Cover
			Connector Config.	Wire Range for Line	Wires Per Pole for Line	Connector Config.	Wire Range for Load	Wires Per Pole for Load	Cat. No.
Mini-Blocks									
1492-PDM3111	3	115		#2…14 AWG (35…2.5) mm²	1		#2…14 AWG (35…2.5) mm²	1	1492-PBC9
1492-PDM3141	3	115		#2…14 AWG (35…2.5) mm²	1		#10…18 AWG (6…0.75) mm²	4	1492-PBC9
Open-Style — Aluminum Connector									
1492-50Y	1	115		#2…14 AWG (35…2.5 mm²)	1		#2…14 AWG (35…2.5 mm²)	1	1492-PBC4
1492-50X	3	115		#2…14 AWG (35…2.5 mm²)	1		#2…14 AWG (35…2.5 mm²)	1	1492-PBC1
1492-100Y	1	175		2/0…#14 AWG (70…2.5 mm²)	1		2/0…#14 AWG (70…2.5 mm²)	1	1492-PBC4
1492-50 XF	3	175		2/0…#14 AWG (70…2.5 mm²)	1		1/4' Tap w/Binding Screw	1	1492-PBC1

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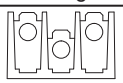
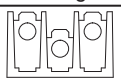
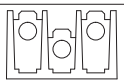
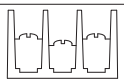
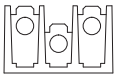
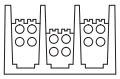
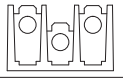
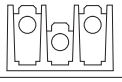
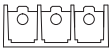
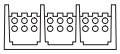
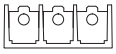
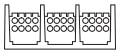
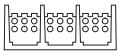
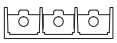
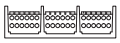
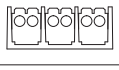
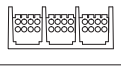
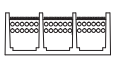
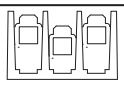
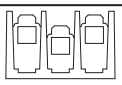
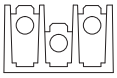
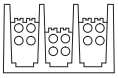
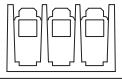
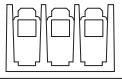
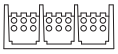
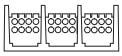
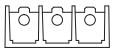
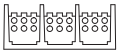
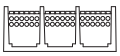
Open Style Blocks with Aluminum Connectors, Continued

Cat. No.	No. of Poles	Amperage	Line			Load			Power Block Cover
			Connector Config.	Wire Range for Line	Wires Per Pole for Line	Connector Config.	Wire Range for Load	Wires Per Pole for Load	Cat. No.
1492-100X	3	175		2/0…#14 AWG (70…2.5 mm²)	1		2/0…#14 AWG (70…2.5 mm²)	1	1492-PBC1
1492-50 XF	3	175		2/0…#14 AWG (70…2.5 mm²)	1		1/4' Tap w/Binding Screw	1	1492-PBC1
1492-PD3141	3	175		2/0…#14 AWG (70…2.5 mm²)	1		#4…14 AWG (25…2.5 mm²)	4	1492-PBC1
1492-BE	1	255		250 kcmil… #6 AWG (120…16 mm²)	1		250 kcmil… #6 AWG (120…16 mm²)	1	1492-PBC5
1492-PD3113	3	310		350 kcmil… #6 AWG (185…16 mm²)	1		350 kcmil… #6 AWG (185…16 mm²)	1	1492-PBC2
1492-PD3163	3	335		400 kcmil… #6 (185 …16 mm²)	1		#2…14 AWG (35…2.5 mm²)	6	1492-PBC2
1492-PD3183	3	335		400 kcmil… #6 AWG (185…16 mm²)	1		#2…14 AWG (35…2.5 mm²)	8	1492-PBC8
1492-PD3263	3	350		2/0…#14 AWG (70…2.5 mm²)	2		#4…14 AWG (25…2.5 mm²)	6	1492-PBC2
1492-PD31123	3	380		500 kcmil… #4 AWG (240…25 mm²)	1		#2…14 AWG (35…2.5 mm²)	12	1492-PBC3
1492-BF	1	420		600 kcmil… #4 AWG (300…25 mm²)	1		600 kcmil… #4 AWG (300…25 mm²)	1	1492-PBC6
1492-PD3226	3	620		350 kcmil… #6 AWG (185…16 mm²)	2		350 kcmil…#6 AWG (185…16 mm²)	2	1492-PBC3
1492-BG	1	760		500 kcmil… #4 (240…25)	2		500 kcmil… #4 (240…25)	2	1492-PBC7
1492-PD3287	3	760		500 kcmil… #6 AWG (240…25 mm²)	2		#2/0…14 AWG (70…2.5 mm²)	8	1492-PBC3
1492-PD32127	3	760		500 kcmil… #6 AWG (240…16 mm²)	2		#4…14 AWG (25…2.5 mm²)	12	1492-PBC3

Copper Connectors

Cat. No.	No. of Poles	Amperage	Line			Load			Power Block Cover
			Connector Config.	Wire Range for Line	Wires Per Pole for Line	Connector Config.	Wire Range for Load	Wires Per Pole for Load	Cat. No.
Open Style — Copper Connectors									
1492-PD3C111	3	150		1/0...#14 AWG (50…2.5 mm²)	1		1/0...#14 AWG (50…2.5 mm²)	1	1492-PBC1
1492-PD3C141	3	175		2/0…#14 AWG (70…2.5 mm²)	1		#4...14 AWG (25…2.5 mm²)	4	1492-PBC1
1492-PD3C112	3	255		250 kcmil…#6 AWG (120…16 mm²)	1		250 kcmil…#6 AWG (120…16 mm²)	1	1492-PBC2
1492-PD3C263	3	350		2/0…#14 AWG (70…2.5 mm²)	2		#4…14 AWG (25…2.5 mm²)	6	1492-PBC2
1492-PD3C287	3	760		500 kcmil…#4 AWG (240…25 mm²)	2		2/0…14 AWG (70…2.5 mm²)	8	1492-PBC3
1492-PD3C163	3	380		500 kcmil…#4 AWG (240…25 mm²)	1		#2…14 AWG (35…2.5 mm²)	6	1492-PBC2
1492-PD3C2127	3	760		500 kcmil…#4 AWG (240…25 mm²)	2		#2…14 AWG (35…2.5 mm²)	12	1492-PBC3

Enclosed Power Distribution Blocks with Aluminum or Copper Connectors

Cat. No. *	Amps (Cu Wire) 75° C	No. of Poles	Line					Load				
			Connector Config.	Wire Range	Openings per Pole	Conductor Opening Hole Size	Hole Plug Cat. No.	Connector Config.	Wire Range	Openings per Pole	Conductor Opening Hole Size	Hole Plug Cat. No.
1492-PDE1111	175	1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1
1492-PDE1C111												
1492-PDE1141	175	1		2/0…#14 AWG (70…2.5 mm²)	1	0.50 in. dia.	1492-PDEC1		#2…14 AWG (35…2.5 mm²)	4	0.38 in. dia.	1492-PDEC2
1492-PDE1C141												
1492-PDE1225	510	1		250 kcmil…#6 AWG (120…16 mm²)	2	0.72 in. dia.	1492-PDEC3		250 kcmil…#6 AWG (120…16 mm²)	2	0.72 in. dia.	1492-PDEC3
1492-PDE1C225												
1492-PDE1183	335	1		400 kcmil…#6 AWG (185…16 mm²) 2/0…#14 AWG (70…2.5 mm²)	1	0.94 in. dia. 0.50 in. dia.	1492-PDEC4 1492-PDEC3		#2…14 AWG (35…2.5 mm²)	8	0.38 in. dia.	1492-PDEC2
1492-PDE1C183							1492-PDEC4 1492-PDEC3					

* "C" in the catalog number refers to the copper terminals option.

Power Distribution Blocks with Aluminum Connectors with Feeder Spacing

Cat. No.	Amps (Cu Wire) 75 ° C	No. of Poles	Line			Load			Replacement Accessories	
			Connector Configuration	Wire Range	Openings per Pole	Connector Configuration	Wire Range	Openings per Pole	Covers	Marking Strips
1492-PDL3111	175	3		2/0…#14 AWG (70…2.5 mm²)	1		2/0…#14 AWG (70…2.5 mm²)	1	1492-PDLC1	1492-PDLM1
1492-PDL3141	175	3		2/0…#14 AWG (70…2.5 mm²)	1		#4…14 AWG (25…2.5 mm²)	4		
1492-PDL31S1	175	3		2/0…#14 AWG (70…2.5 mm²)	1		1/4…20 stud	—		
1492-PDL3161	175	3		2/0…#14 AWG (70…2.5 mm²)	1		#4…14 AWG (25…2.5 mm²)	6		
1492-PDL3163	335	3		400 kcmil…#6 AWG (185…16 mm²)	1		#2…14 AWG (35…2.5 mm²)	6	1492-PDLC2	1492-PDLM2
1492-PDL3194	335	3		600 kcmil…#2 AWG (300…35 mm²)	1		#2…14 AWG (35…2.5 mm²) #2…14 AWG (35…2.5 mm²) 1/0…#14 AWG (55…2.5 mm²)	3 3 3		
1492-PDL31124	335	3		600 kcmil…#2 AWG (300…35 mm²)	1		#4…14 AWG (25…2.5 mm²)	12		

Approximate Dimensions

Dimensions are in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

Figure 1

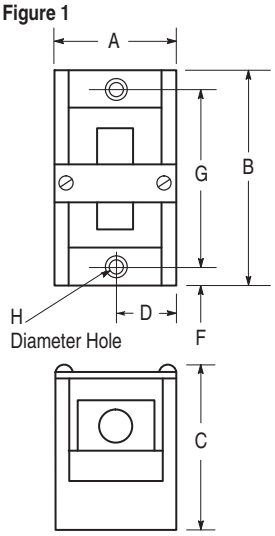


Figure 2

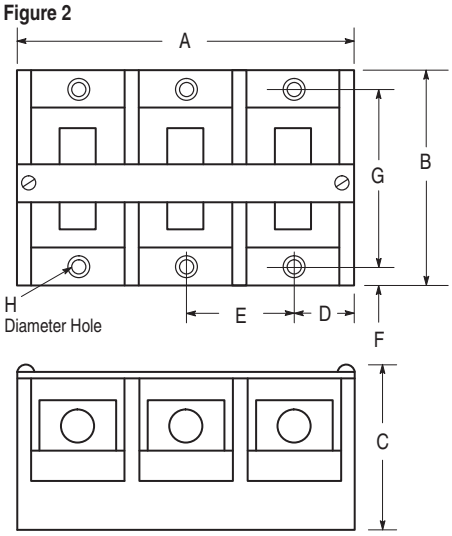
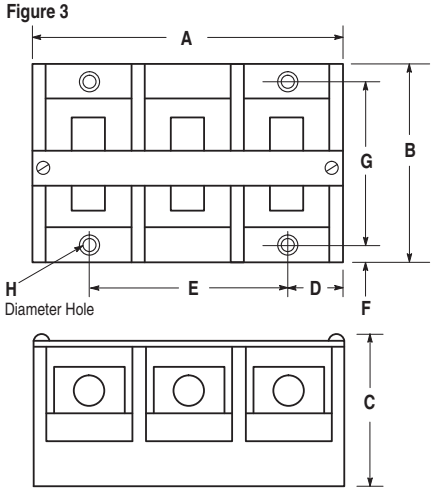


Figure 3

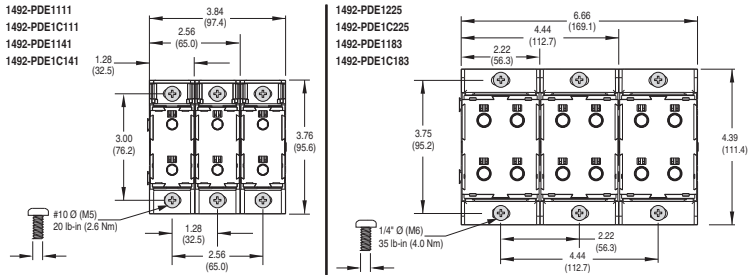


Cat. No.	Figure	A	B	C	D	E	F	G	H
1492-PDM3111	3*	2.03 (51.56)	2.29 (58.17)	1.62 (41.15)	0.38 (9.68)	1.27 (32.26)	0.19 (4.83)	1.93 (49.02)	0.201 (5.11)
1492-PDM3141	3*	2.03 (51.56)	2.29 (58.17)	1.62 (41.15)	0.38 (9.68)	1.27 (32.26)	0.19 (4.83)	1.93 (49.02)	0.201 (5.11)
1492-50Y	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-100Y	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50X	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-100X	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50XF	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-50YF	1	1.13 (28.7)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	—	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3C111	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3C141	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-PD3141	3	2.75 (69.85)	2.88 (73.15)	1.88 (47.8)	0.56 (14.22)	1.62 (41.2)	0.31 (7.87)	2.25 (57.15)	0.205 (5.21)
1492-BE	1	1.94 (49.28)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	—	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C112	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3113	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3263	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3163	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C163	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-PD3C263	2	5 (127)	4 (101.6)	2.72 (69.1)	0.97 (24.64)	1.53 (38.86)	0.31 (7.87)	3.38 (85.85)	0.203 (5.16)
1492-BF	1	2.28 (57.91)	4.75 (120.65)	2.92 (74.2)	1.12 (28.45)	—	0.31 (7.87)	4.13 (104.9)	0.203 (5.16)
1492-PD3183	2	6.04 (153.42)	4.75 (120.65)	2.92 (74.2)	1.12 (28.45)	1.88 (47.75)	0.31 (7.87)	4.13 (104.9)	0.203 (5.16)
1492-BG	1	3.17 (80.25)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	—	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD31123	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3287	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD32127	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3226	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3C2127	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)
1492-PD3C287	2	8.54 (216.92)	5.50 (139.7)	3.23 (82.0)	1.58 (40.13)	2.69 (68.58)	0.38 (9.68)	4.75 (120.65)	0.265 (6.73)

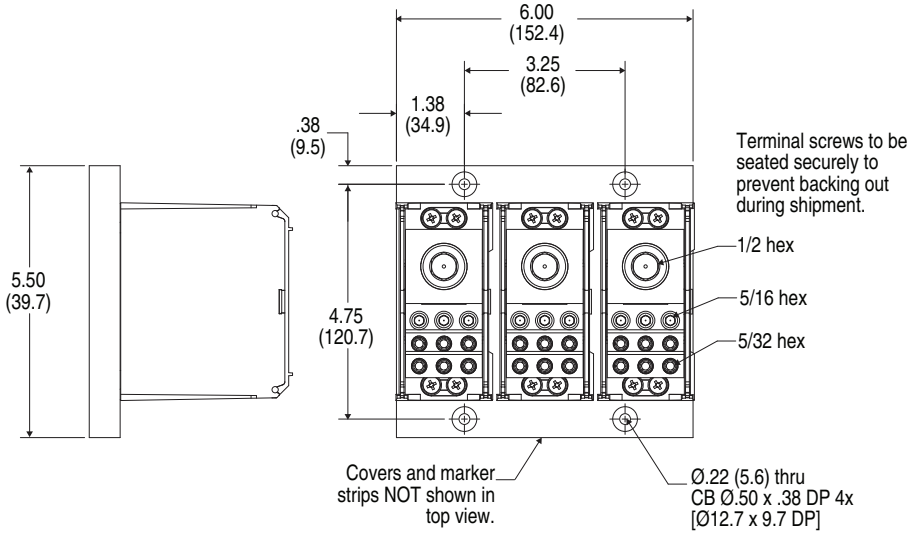
* No marker strip.

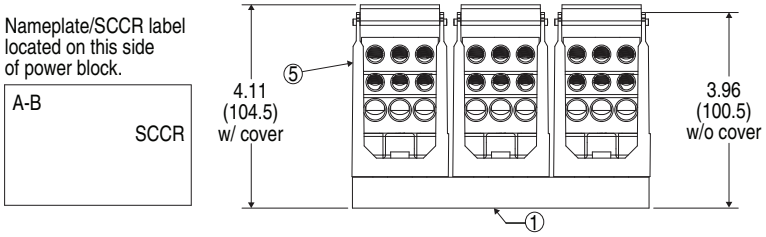
Power Blocks

Approximate Dimensions



Bulletin No. 1492-PDE





Bulletin No. 1492-PDL

Analog Wiring Systems

Analog Wiring Systems

Digital Wiring Systems with Field-Removable Terminal Blocks

Digital Wiring Systems with Fixed Terminal Blocks

Bulletin 1492 Programmable Controller Wiring Systems

- Increases machine building productivity
- Simplifies design and engineering time
- Reduces wiring time and wiring errors
- Benefits from quality-looking panels

Standards Compliance and Certifications

- Agency Certifications for Modules and Cables
  cULus: Hazardous Locations: Class I Div 2 (all except modules with relays); Groups A, B, D, and D.
  Temperature Code: T3C @ 60 °C.
  UL File No. E10314, Guide No. NRAG
  cULus: Ordinary Locations; Module with relays; UL File No. E11372 Guide No. NRAQ
- Agency Certification Modules
  Factory Mutual (FM): Hazardous Locations; Class I Div 2 (all except modules with relays): Gouprs A, B, C, and D. Temperature Rating: T3C @ 60 °C. FM file J.I.3000590
- CE Certifications
  Compliant for all applicable directives

Table of Contents

Standards Compliance and Certifications, Continued

- UL 508
- UL 1604
- CSA C22.2 No. 14
- CSA C22.2 No. 213
- EN/IEC 61131-2

Bulletin	1746	1756	1762	1764	1769	1794	1771	Bulletin 700H and 700S
Description	SLC 500	ControlLogix	MircoLogix 1200	MicroLogix 1500	CompactLogix	Flex	PLC-5	PowerFlex Drive
Product Selection	Web ∗	**12-142**	**12-153**	**12-153**	**12-148**	**12-154**	Web ∗	**12-157**

∗ Information for this product is available on the Industrial Controls Catalog website: www.ab.com/catalogs

12

Benefits

Reduced Wiring Time

Wiring is completed in a fraction of the time when wiring systems are used, as compared with the traditional method of wiring each point to the I/O swing arm and field-side terminal blocks. Pre-wired cables are factory-wired to the I/O wiring arm on one end and a connector for the Interface Module (IFM) on the other. IFMs enhance the capability of the I/O systems with added terminations, field-side LED status indicators, isolation circuits, overcurrent protection, and higher amperage outputs. Both standard and specific build-to-order length cables are available, providing the correct length for any panel in a neat, space-efficient wiring solution.

Reduced Wiring Errors

Wiring system cables are pre-tested to ensure 100% accurate connections and eliminate the need for point-to-point checking of wiring. No more crossed wires and loose connections between the I/O module and the terminal block. Even one error in wiring 128 I/O points in a point-to-point system may require a complete check of the wiring. Wiring errors can take several minutes to track down and correct before the panel is ready for startup. When IFMs and cables are snapped in place, they fit every time — no need to find the wrong or loose connection, resulting in a much higher rate of success at system startup.

Faster Troubleshooting and Easier Maintenance

Normal terminal blocks can't offer the benefits of IFMs, such as LED indication on each I/O point. Wiring systems improve system startup and ease troubleshooting and maintenance. Diagnostic capabilities in the form of fuses, blown fuse indication, and field-side ON-State LEDs — in a reduced space — allow maintenance personnel to quickly locate faults, reduce downtime, and improve overall productivity.

Increased Volume and Productivity

Cable interconnections for a wiring system can be up to 30 times faster to install than traditional point-to-point wiring, enabling OEMs and panel builders using wiring systems to build panels faster and produce more machines.

Reduced Wire Preparation and Routing

Pre-wired cables eliminate the time and costs associated with stripping and cutting wires. Routing wires is much easier with wiring systems, since engineers only have to worry about routing one pre-wired cable versus the 20 or 40 wires needed in the traditional wiring method.

Labeling and Marking

Pre-printed, I/O-specific adhesive label strips for quick marking of IFM terminals save labor compared with point-to-point wiring that requires labor-intensive wire markers. Pre-wired cables require no wire labels. Pre-printed I/O-specific labels ensure neat, easy-to-read identification of wires and I/O points for all users.

The marking of traditional terminal blocks has even caused some OEMs to move toward a high-tech approach of plotting markers, requiring additional equipment in the form of a plotter system and a PC to run the plotter software.

Simplified Design

Design engineers can simplify their panel drawings by calling out an IFM and pre-wired cable instead of having to detail every single wire and terminal block on their drawings. Simplified panel drawings aid not only the installer, but also the end customer who receives the panel.

Increased DIN Rail Density

An increasing trend in the industry is to pack more products into the same DIN Rail space. Wiring systems support this trend, as they require less DIN Rail space than traditional terminal blocks. For example, if an OEM were to use a 40-point IFM in place of 40 terminal blocks, DIN Rail space can be reduced by more than 50%. All IFMs have terminals for connecting the I/O field wiring. In addition, extra terminal, sensor, fusible, and relay IFMs contain common terminals that are used as power busses for sensor and actuators. No additional terminal blocks are needed to provide power to the sensors/actuators — saving valuable panel/DIN Rail space.

To further reduce panel space, narrow IFMs (e.g., Cat. No. 1492-IFM20FN) have been designed. They require 45% less space than the standard length IFMs, making them well-suited for tightly packed enclosures. The high density narrow IFMs have two rows of 10 field-wiring terminals with an overall length of 60 mm (2.36 in.).

Quality-Looking Panels

The pre-wired cables and IFMs organize the wiring in your panel and provide a consistent look. Pre-printed adhesive labels for the terminals neatly identify field-wiring connections, which correspond to the I/O module address. A large marking area is also available for identifying I/O information on the IFM.

Fewer Parts, Less Inventory, and Lower Carrying Cost

A wiring system involves an IFM and the cable, versus the block, barrier, jumper, markers, wires, and swing arms associated with traditional hardwired systems. Therefore, it requires fewer components and, in turn, less inventory and lower carrying costs.

Design Flexibility

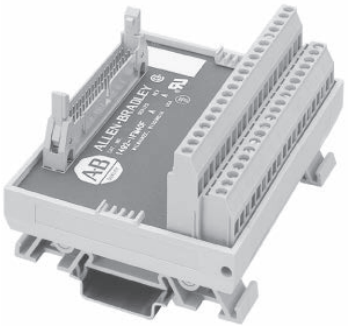
To develop a cost-effective system, the hardware components must meet the needs of the design engineer. Rockwell Automation provides the broadest range of digital and analog systems in the industry. Allen-Bradley wiring systems deliver a lower life cycle cost.

Digital Interface Modules (IFMs)
General Information

Digital IFMs are available with either a 20- or 40-pin cable connector. This is determined by the number of connections required for the I/O module.

Important: The following catalog number breakdown is for explanatory purposes only. It is not a product configurator. Not all combinations of fields are valid catalog numbers. Use this breakdown for verification and explanation only.

The cables used for Relay Master/Expander XIMs are the same as those used for Digital I/O Modules with the exception of the Cat. No. 1746-OA16 output module, which uses the 1492-CABLE*CR cable.



40-pin Connection Interface Module

1492 – IFM 20 F120 – 2
a b c d

a

Modules	
Code	Description
IFM	Digital Interface Modules with Fixed Terminal Block
RIFM	Digital Interface Modules with Removable Terminal Block
TIFM	Digital Interface Module for SIL2 (Safety Integrity Level 2)

b

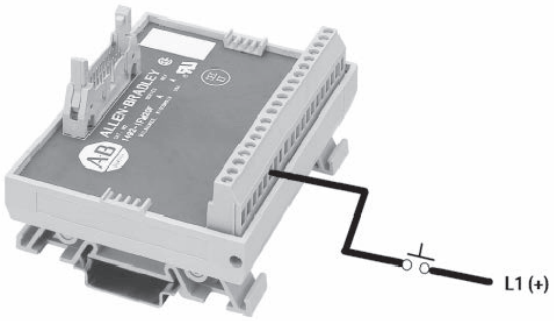
Digital Cable Connector Size	
Code	Description
20	20 pins
40	40 pins

c

Module Type (all types do not configure a catalog number)	
Code	Description
A	Input Module
F	Feedthrough
F24	Fused 24 Volt
F120	Fused 120 Volt
FS	Fused Isolated
D	LEDs
N	Narrow
24	24 Volt
120	120 Volt
240	240 Volt

d

Number of Field Side Wiring Terminals	
Code	Description
Blank	One per I/O connection (Standard Terminals)
2	Two per I/O connection (Extra Terminals)
3	Three per I/O connection (Sensor Terminals)
4	Four per I/O connection (Special Terminal)



Standard Terminal Interface Module

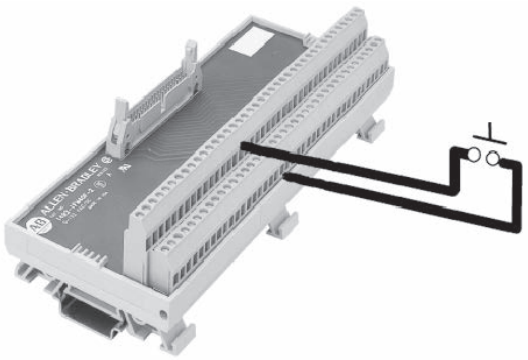
Extra terminal IFMs provide **two or four field-side** terminals per input or output point. Non-isolated IFMs have two terminals per input or output point. Isolated IFMs have two or four terminals per input or output.

The number of terminals varies with the type of IFM — from one to four terminals per I/O point.

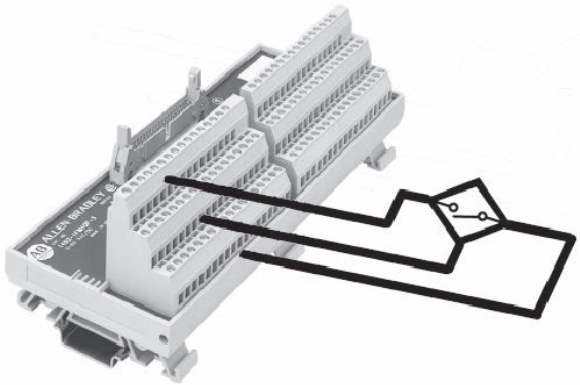
Standard terminal IFMs provide **one field-side** wiring terminal per programmable controller input or output point, as well as enough terminals for the I/O module power connections. The standard terminals are ideal for applications where the I/O device commons are terminated in the field or remotely from the I/O panel.

Isolated IFMs have terminals isolated into 8 or 16 groups, which allows each group of I/O devices to reference a different power source. The extra terminal IFMs are beneficial in applications where the I/O devices are terminated within the same panel as the I/O modules — eliminating the need for many additional terminal blocks.

Sensor IFMs provide three field-side terminals per input point. The middle and lower rows of the terminals are commoned together in groups of 18, and serve as power busses for 3-wire sensor types of devices — eliminating additional terminals, blocks, and jumpering systems.



Extra Terminal Interface Module

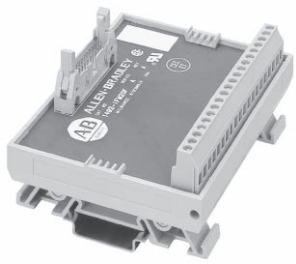


Three-Level Sensor Terminal Interface Module

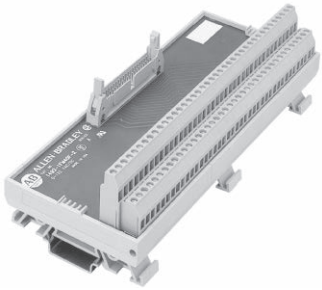
12

Digital Interface Modules (IFMs)
Feed-Through

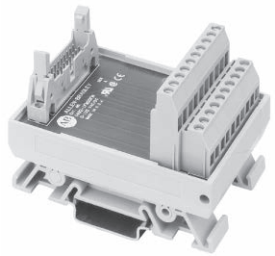
Feed-through IFMs provided the same capability as normal terminal blocks, but in a more condensed package.



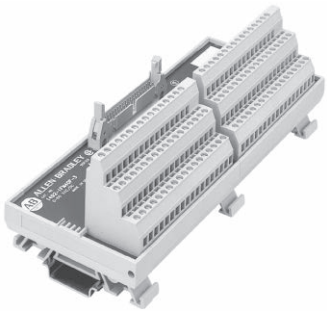
Feed-through Standard
For 20-point: Cat. No. 1492-IFM20F
For 40-point: Cat. No. 1492-IFM40F



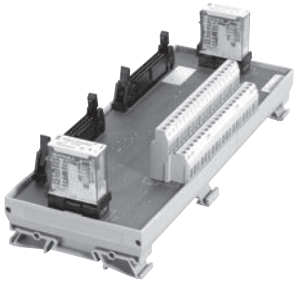
Feed-through Extra Terminal Products
For 20-point: Cat. No. 1492-IFM20F-2
For 40-point: Cat. No. 1492-IFM40F-2



Feed-Through Narrow
Cat. No.1492-IFM20FN



Feed-through Sensor Terminal Products
For 20-point: Cat. No. 1492-IFM20F-3
For 40-point: Cat. No. 1492-IFM40F-3



Safety Integrity Level (SIL 2)
Cat. No. 1492-TIFM40F-F24-2

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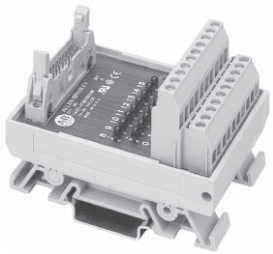
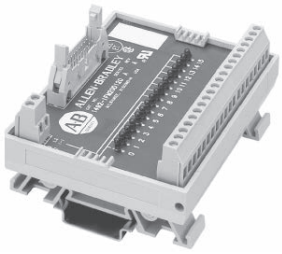
Digital Interface Modules (IFMs)
LED-Indicating

Voltage-indicating LEDs are available on standard, extra terminal, and sensor IFMs. The LEDs provide field-side troubleshooting diagnostics: the on/off status of an input device or the on/off status of the programmable controller output circuit. When used in conjunction with the logic-side programmable controller LEDs, the IFM LEDs can help determine whether a problem resides in the I/O module or in the field device/wiring. LED IFMs are available in both Isolated (Cat. No. 1492-IFM20DS24-4) and non-Isolated (Cat. No. 1492-IFM20D120) versions for 24V, 120V, and 240V applications.





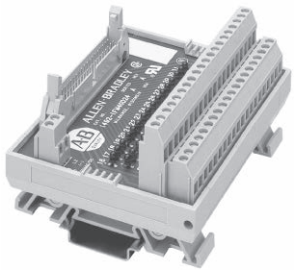
LED Indicating Standard
For 20-point:
Cat. No. 1492-IFM20D24,
1492-IFM20D120, 1492-IFM20D120N

For 40-point: Cat. No. 1492-IFM40D24

20-pin cable connector
ON-state LED Narrow module for 24V:
Cat. No. 1492-IFM20D24N

20-point LED module for 120V:
Cat. No. 1492-IFM20D120,

20-pin cable connector
LED Isolated module for 24V:
Cat. No. 1492-IFM20DS24-4

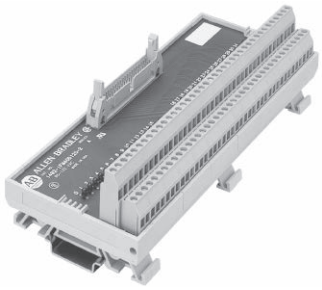


LED Indicating Extra Terminals

For 20-point: Cat. No. 1492-IFM20D24-2, 1492-IFM20D24A-2,
1492-IFM20D120-2, 1492-IFM20D120A-2,
1492-IFM20D240-2, 1492-IFM20D240A-2

For 40-point: Cat. No. 1492-IFM40D24-2, 1492-IFM40D24A-2,
1492-IFM40D120-2, 1492-IFM40D120A-2

LED Indicating Sensor Terminal Products
For 20-point: Cat. No. 1492-IFM20D24-3
For 40-point: Cat. No. 1492-IFM40D24-3



LED Indicating 4 Terminals

For 20-point: Cat. No. 1492-IFM20DS24-4, 1492-IFM20DS120-4

For 40-point: Cat. No. 1492-IFM40DS24-4, 1492-IFM40DS24A-4,
1492-IFM40DS120-4, 1492-IFM40DS120A-4, 1492-IFM40DS240-4

40-pin cable connector
ON-state LED module for 24V:
Cat. No. 1492-IFM40D24

40-pin cable connector
LED module for 120V with extra terminals:
Cat. No. 1492-IFM40D120-2

40-pin cable connector
LED Isolated Input module for 24V:
Cat. No. 1492-IFM40DS24A-4

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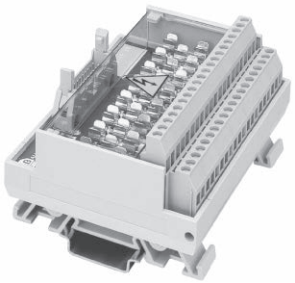
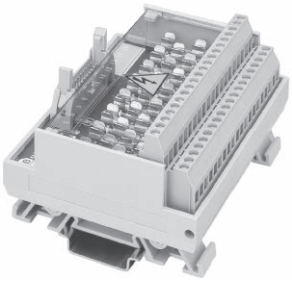
Digital Interface Modules (IFMs)
Fusible

Fusible modules provide a convenient method of adding overcurrent protections into your programmable controller wiring. These modules have 5 x 20 fuse holders on-board and are available with and without blown fuse indication. The 24V, 120V, and 240V blown fuse indicators reduce the troubleshooting time to locate and replace a blown fuse on the IFM. Fusible modules have an easy-to-remove, transparent plexiglass cover that prevents objects from contacting fuse circuitry under normal operation. Removal of fuses from the standard fuse holder is aided by fuse pullers (fuses not provided). The fusible modules also have two or four terminals per I/O point to create a power bus for input and output load connections. Fusible modules are available in both isolated (Cat. No. 1492-IFM20F-FS24-2) and nonisolated (Cat. No.1492-IFM20F-F24-2) versions. There are a select number of fusible IFMs available for input modules.provided). The fusible modules also have two or four terminals per I/O point to create a power bus for input and output load connections. Fusible modules are available in both isolated (Cat. No. 1492-IFM20F-FS24-2) and nonisolated (Cat. No.1492-IFM20F-F24-2) versions. There are a select number of fusible IFMs available for input modules.





Fused Extra Terminals

For 20-point: Cat. No. 1492-IFM20F-F-2,1492-IFM20F-F24-2, 1492-IFM20F-F24A-2, 1492-IFM20F-F120-2, 1492-IFM20F-F120A-2, 1492-IFM20F-F240-2, 1492-IFM20FS-F -2, 1492-IFM20FS-F24-2, 1492-IFM20FS-F24A-2

For 40-point: Cat. No. 1492-IFM40F-F-2, 1492-IFM40F-F24-2, 1492-IFM40F-F120-2, 1492-IFM40FS-F-2, 1492-IFM40FS-F24-2, 1492-IFM40FS-F120-2, 1492-IFM40FS-F24-4, 1492-IFM40FS-F24A-4, 1492-IFM40FS-F120-4, 1492-IFM40FS-F120A-4, 1492-IFM40FS-F240-4

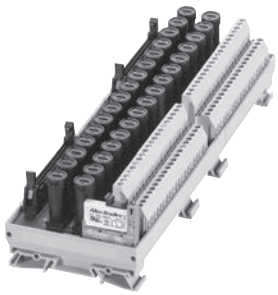
Fused Extra Terminals

For 20-point: Cat. No. 1492-IFM20FS-F120-4, 1492-IFM20FS-F120A-4, 1492-IFM20FS-F240-4

For 40-point: Cat. No. 1492-IFM40FS-F24-4, 1492-IFM40FS-F24A-4, 1492-IFM40FS-F120-4, 1492-IFM40FS-F120A-4, 1492-IFM40FS-F240-4, 1492-IFM40F-FS240A-4

40-pin cable connector Isolated Fusible module (no fuse blown indication): Cat. No. 1492-IFM40F-FS-2

40-pin cable connector Isolated Fusible module with 24V blown fuse indication: Cat. No. 1492-IFM40F-FS24A-2



Safety Integrity Level (SIL2) Cat. No. 1492-TIFM40F-F24A-2

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Digital Interface Modules (XIMs)
Relay

1492 – XIM (a) 20 (b) 24 (c) – 16RF (d)

a

Modules	
Code	Description
XIM	Relay Interface Module with Fixed Terminal Block
RXIM	Relay Interface Module with Removable Terminal Block
XIMTR	Mechanical High Density Relay Interface Module with Fixed Terminal Block
RXIMTR	Mechanical High Density Relay Interface Module with Removable Terminal Block
XIMTS	Solid-State High Density Relay Interface Module with Fixed Terminal Block
RXIMTS	Solid-State High Density Relay Interface Module with Removable Terminal Block

b

No. Cable Connector Pins	
Code	Description
20	20 pins
40	40 pins
Blank	Expander module

c

Module Type (all types do not configure a catalog number)	
Code	Description
F	24V relay coil
F-F24	5 x 20 mm fuse holders with 24V blown fuse indication
F-F120	5 x 20 mm fuse holders with 120V blown fuse indication D
24	24V relay coil
120	120V relay coil

d

No. Cable Connector Pins	
Code	Description
2	2 terminals per point
8R	8 relays
16R	16 relays
16RF	16 fused relays
32R	32 relays

d

Number of Field Side Wiring Terminals	
Code	Description
Blank	One per I/O connection (Standard Terminals)
2	Two per I/O connection (Extra Terminals)
3	Three per I/O connection (Sensor Terminals)
4	Four per I/O connection (Special Terminal)

Relay master and expander XIMs are available for Bulletin 1746, 1756, 1769, and 1771 digital output modules.

Relay Master XIM — Provides 8 or 16 relay outputs for a digital output module. There are 16 relays with fusing.

Expander XIM — In addition to the relay master XIM, an expander XIM provides eight additional outputs. There are three types of expander XIMs: eight-channel relays, eight-channel fusing, and eight-channel feed-through XIMs, sixteen channel relays, sixteen channel relays with fusing.

Relay Master

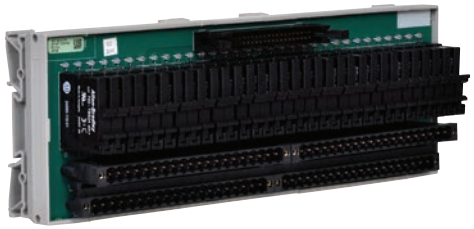
Relay Master with Fusing

Relay Masters
For 20-point: Cat. No. 1492-XIM2024-8R, 1492-XIM2024-16R, 1492-XIM20120-8R, 1492-XIM20120-16R

For 40-point: Cat. No. 1492-XIM4024-16R

Relay master XIMs feature field-replaceable relays with 120V or 24V rated coils. The field-side Form C contacts are rated 240V 10 A (de-rated to 12 A per adjacent pair on the XIM). The Form C relay output provides isolated output channels and a different voltage level from one output channel to the next. Other features include coil-side LED indicating the output module status, and transient suppression on each coil. In addition, some relay masters have 5x20 fuse holders so customers can fuse the output contacts.

High Density Relay Master



Available in 16 pt or 32 pt modules, the high density relay modules eliminate the need for extender relay modules. Available in easily replaceable plug-in style electromechanical or solid-state relays.

LED indicator lights are provided for each output circuit with removable terminal blocks (RTB's) available as an option for connecting the field devices.

12

Digital Relay Expander (8 Outputs)

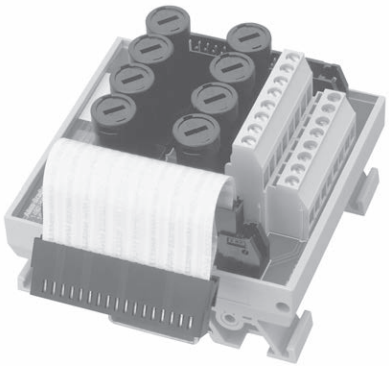
Relay Expander
Cat. No. 1492-XIM24-8R,1492-XIM24-16RF,1492-XIM120-8R

Digital Relay Expander (16 Outputs) with Fusing

Relay Masters with Fusing
For 20-point: Cat. No. 1492-XIM2024-16RF, 1492-XIM20120-16RF
For 40-point: Cat. No. 1492-XIM4024-16R

Relay expander XIMs feature field-replaceable relays with 120V or 24V rated coils. The field-side Form C contacts are rated 240V 10 A (de-rated to 12 A per adjacent pair on the XIM). The Form C relay output provides isolated output channels and a different voltage level from one output channel to the next. Other features include coil-side LED indicating the output module status, and transient suppression on each coil. In addition, a relay expander can have 5x20 fuse holders so customers can fuse the output contacts. An expander cable is provided for connection to the mating module.

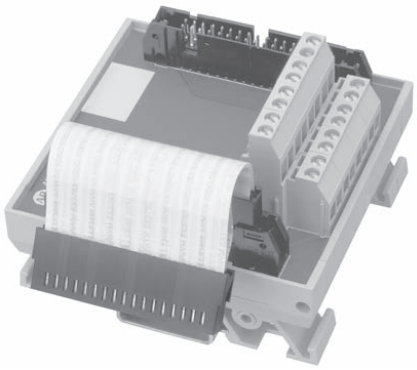
Fusible Expanders



Fused Expander Products
Cat. No. 1492-XIMF24-2, 1492-XIMF-120-2

The fusible expander modules feature eight 5 x 20 finger-safe fuse holders, blown fuse indicators, and extra terminals for landing two wires per field-side device. They are offered with eight fuse holders for both 24V and 120V applications. An expander cable is provided for connection to its mating module.

Feed-Through Expanders

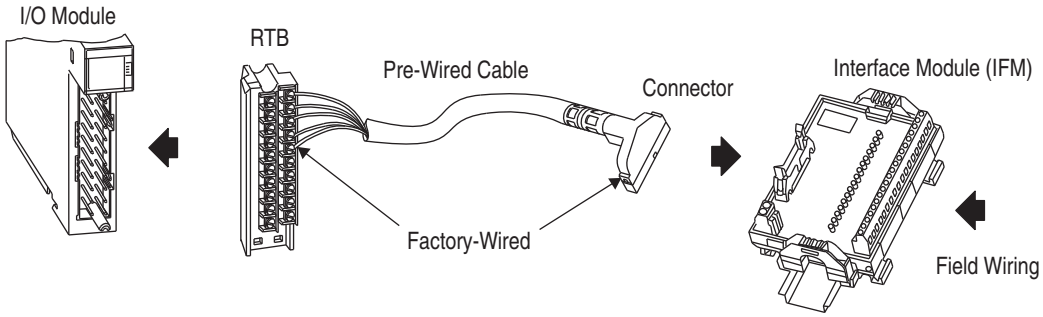


Feedthrough Expander Products
Cat. No. 1492-XIMF-2

The feed-through expander modules feature eight channels with extra terminals for landing two wires per field-side device. An expander cable is provided for connection to its mating module.

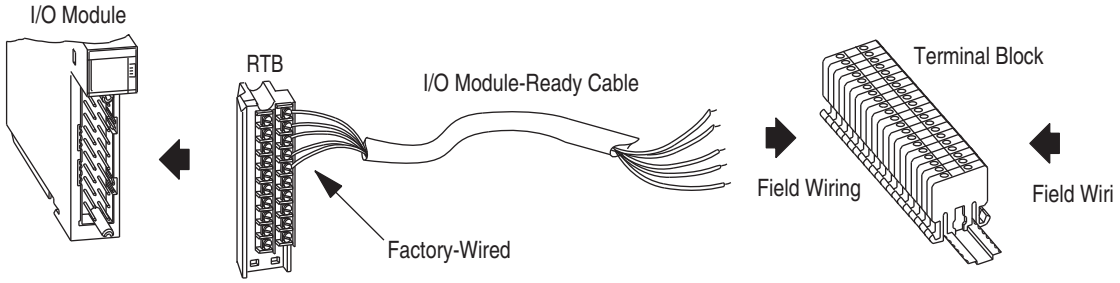
Digital Cables
Pre-Wired

Bulletin 1492 pre-wired cables are designed to minimize control wiring in a panel. Pre-wired cables, when used with an IFM, replace the point-to-point wiring between Allen-Bradley programmable controller I/O modules and individual terminal blocks. The pre-wired cables have a removable terminal block or wiring arm at the PLC end of the cable and a cable connector on the other end to connect to the IFM. All of the pre-wired cables use a #22 AWG wire and are 100% tested for continuity to make a perfect connection every time. The digital pre-wired cables are offered in four standard lengths of 0.5, 1.0, 2.5, and 5.0 m to fit a variety of applications. Other length cables are also available as build to order products. Pre-wired cables are available for many of the 1746 SLC I/O, 1756 ControlLogix I/O, 1794 Flex I/O, 1769 Compact I/O, MicroLogix 1500 base I/O, MicroLogix 1200 (1762-L40xx) embedded I/O, and 1771 PLC-5 I/O.



Digital Cables
I/O-Ready

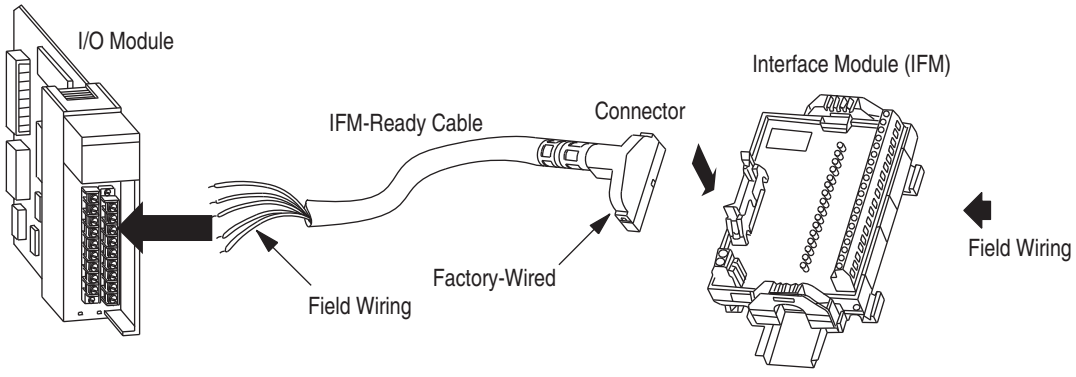
I/O-ready cables have an I/O removable terminal block or wiring arm factory-wired to one end to of the cable and free connectors on the other end for wiring into standard terminal blocks or other type of connectors. I/O-ready cables have individual color-coded conductors for quick wire-to-terminal coordination. The I/O-ready cables use #18 AWG conductors for higher current applications or longer cable runs. The I/O-ready cables are offered in standard lengths of 1.0, 2.5, and 5.0 m to fit a variety of applications. Other cable lengths are also available as build-to-order products. Pre-wired cables are available for the Bulletin 1746 SLC I/O, Bulletin 1756 ControlLogix I/O, Bulletin 1769 Compact I/O, 1794 Flex I/O, MicroLogix 1500 base I/O, MicroLogix 1200 (1762-L40xx) embedded I/O, and Bulletin1771 PLC-5 I/O.



I/O-Ready Cable and Standard Terminal Blocks

Digital Cables
IFM-Ready

IFM-ready cables have a cable connector that attached to the IFM factory wired to one end and free connectors ready to wire to I/O modules or other components on the other end. IFM-ready cables use #22 AWG wire and have individual color-coded conductors for quick wire-to-terminal coordination. The digital IFM-ready cables are offered in standard lengths of 1.0, 2.5, and 5.0 m to fit a variety of applications. Other cable lengths are also available as build-to-order products.



IFM-Ready Cable and Interface Module

12

Catalog Number Explanation
Digital Cables for Bulletin 1762, 1764, 1769 and 1794

Important: Use the following tables as a product confiurator for pre-wired, and I/O module-ready cables for **Bulletins 1746, 1762, 1764, 1769, and 1794 -** 40 I/O controller digital I/O cables. All combination of these fields make valid product catalog numbers. Refer to selection tables for IFM compatibility, additional cables, and ordering.

1492 – CAB 010 – A62
a b c

a

Digital Interface Cable

b

Standard or Build-to-Order Length Cables		
Code	Length	Description
005	0.5 m (1.64 ft)	Standard Length
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001-020	0.1...2.0 m (0.328...6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order Length
020-100	2.0...10.0 m (6.56...32.8 ft) 0.5 m (1.64 ft increments)	
100-300	10.0...30.0 m (32.8...98.42 ft) 1.0 m (3.28 ft increments)	

c

Code	Description
For use with Bulletin 1762 MicroLogix 1200 Modules	
A62, B62	Pre-wired cables for Bulletin 1762 I/O controllers
X62	I/O-ready cable for 1762-L40AWA, and -L40BWA
T62	I/O-ready cable for 1762-L40AWA, -L40BXB, and -L40BWA outputs
For use with Bulletin 1764 MicroLogix 1500 Modules	
A64, B64, C64, F64	Pre-wired cables for Bulletin 1764 I/O base units
W64	I/O-ready cable for 1762-24AWA, and -24BWA base unit inputs
T64	I/O-ready cable for 1762-24AWA, -24BWA base units outputs
U64	I/O-ready cable for 1764-28BXB base unit outputs
For use with Bulletin 1746, and 1769 Digital Modules	
A69, B69, C69, D69, E69, F69, G69, H69, J69, K69, L69, M69	Pre-wired cables for 8-, 16-, and 32-channel Bulletin 1769 digital I/O modules
RTN18	I/O-ready cable with Cat. No. 1746-RTBN18 terminal block
RTN10	I/O-ready cable with Cat. No. 1746-RTBN10 terminal block
RTN32I	I/O-ready for 32-channel 1769-IQ32
RTN320	I/O-ready for 32-channel 1769-OB32
For Use with Bulletin 1794 Flex I/O, Cat. Nos. 1794- TB37DS, and 1794-TB62DS base units	
A94	Pre-wired cables for Bulletin 1794 Flex digital I/O using the Bulletin 1794-TB37DS base
B94	Pre-wired cables for Bulletin 1794 Flex digital I/O using the Bulletin 1794-TB62DS base
G94	Digital I/O-ready cable with Cat. No. 1746-RTBN10 terminal block
H94	Digital I/O ready cable for digital I/O using the Bulletin 1794 TB62DS base

Catalog Number Explanation
Digital Cables for Bulletin 1746, 1756, 1771

Important: Use the following tables as a product configurator for pre-wired, IFM-ready, and I/O module-ready cables for Bulletins 1746, 1756, and 1771 digital I/O module cables. All combinations of these fields make valid product cat. nos. Refer to selection tables for IFM/XIM compatibility, additional cables, and ordering.

1492 – CABLE 010 A

a *b* *c*

a

Digital Interface Cable

b

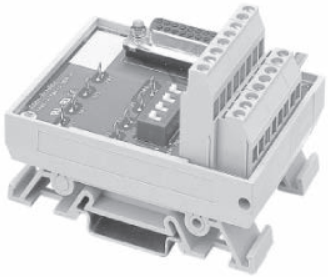
Standard or Build to Order Lengths		
Code	**Description**	
005	0.5 m (1.64 ft)	Standard
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001…020	0.1…2.0 m (0.328…6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order
020…100	2.0…10.0 m (6.56…32.8 ft) 0.5 m (1.64 ft) increments	
100…300	10.0…30.0 m (32.8…98.42 ft) 1.0 m (3.28 ft) increments	

c

Cable Type - Bulletins 1746, 1756, and 1771 digital I/O module cables.	
Code	**Description**
For use with Bulletin 1746 I/O Modules	
A, B, C, D, E, G, N, S	Pre-wired cables for 8-point isolated and 16-point Bulletin 1746 I/O modules∗
CR	Pre-wired cable for Cat. No. 1764-OA16 (XIM only)
H	Pre-wired cable for 32-point digital Bulletin 1746 I/O modules∗
N3	Digital I/O module-ready cable with 40-point Cat. No. 1746-N3 cable connector
RTBB	Digital I/O module-ready cable with 16-point Cat. No. 1746-RT25B terminal block (blue)
RTBO	Digital I/O module-ready cable with 16-point Cat. No. 1746-RT25C terminal block (orange)
RTBR	Digital I/O module-ready cable with 16-point Cat. No. 1746-RT25R terminal block (red)
TBCH	Digital I/O module-ready cable with 36-pin Cat. No. 1746-TBCH removable terminal block
For use with Bulletin 1756 I/O Modules	
U, V, W, X	Pre-wired cable for 8- and 16-point digital Bulletin 1756 I/O modules‡
Y, Z	Pre-wired cable for 16-point isolated and 32-point digital Bulletin 1756 I/O modules‡
P	Digital IFM-ready cable with 20 conductors
Q	Digital IFM-ready cable with 40 conductors
N3	Digital I/O module-ready cable with 40-point Cat. No. 1746-N3 cable connector
For use with Bulletin 1771 I/O Modules	
F, T	Pre-wired cable for digital Bulletin 1771 I/O modules❄
FF	Pre-wired cable with fused wiring arm for 16-point digital Bulletin 1771 output modules❄
J, K, L, M, R	Pre-wired cables for 16-point isolated and 32-point digital Bulletin 1771 I/O modules❄
WA	Digital I/O module-ready cable with Cat. No. 1771-WA 8-point wiring arm
WD	Digital I/O module-ready cable with Cat. No. 1771-WD 6-point wiring arm
WH	Digital I/O module-ready cable with Cat. No. 1771-WH 16-point wiring arm
WHF	Digital I/O module-ready cable with Cat. No. 1771-WHF 16-point fused wiring arm
WN	Digital I/O module-ready cable with Cat. No. 1771-WN 32-point wiring arm

∗ To make sure the Bulletin 1746 SLC 500 digital I/O module is compatible with IFM/XIM, refer to www.ab.com/catalogs.
❄ To make sure the Bulletin 1771 PLC digital I/O module is compatible with IFM/XIM, refer towww.ab.com/catalogs.
‡ To make sure the Bulletin 1756 ControlLogix digital I/O module is compatible with IFM/XIM, refer to page 12-142.

Analog Interface Modules (AIFMs)
General Information



Analog AIFMs are available with either 15- or 25-pin D-Shell connections. This is determined by the number of connections that are required by the I/O module.

Important: The following AIFM Cat. No. breakdown is for explanation purposes only. It is not a product configurator. Not all combinations of fields are valid product cat. nos. Use this breakdown for verification and explanation only.

1492 – AIFM (a) 16F (b) – 5 (c)

a

Modules	
Code	Description
AIFM	Analog Interface Module with Fixed Terminal Block
RAIFM	Analog Interface Module with Removable Terminal Block
TAIFM	Analog Interface Module for SIL2 (Safety Integrity Level 2)

b

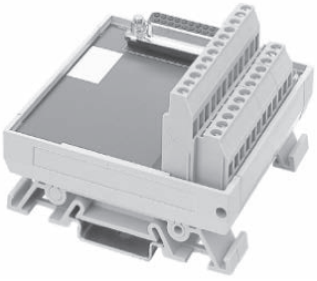
Module Type (all types do not configure a catalog number)	
Code	Description
4	4 channel
C	Combination
CE	Counter Encoder
6	6 channel
8	8 channel
16	16 channel
F	Fused

c

Number of Field Side Wiring Terminals	
Code	Description
3	Three per I/O channel
5	Five per I/O channel

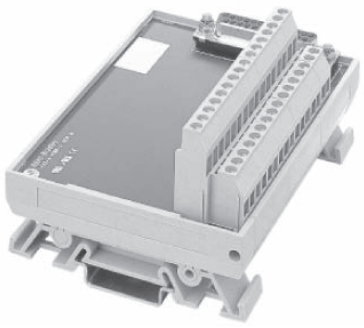
Analog Interface Modules (AIFMs)
Feed-Through

Feed-through IFMs provide the same capability as normal terminal blocks but in a more condensed package. Standard terminal IFMs provide **three field-side** wiring terminals per programmable controller analog input or output point, which includes enough terminals for the device shield and power connections.



Standard Terminal 4-channel:
Cat. No. 1492-AIFM4-3

Isolated Standard Terminal
6-channel IFM with 25 connections:
Cat. No. 1492-AIFM6S-3, 1492-AIFM8-3

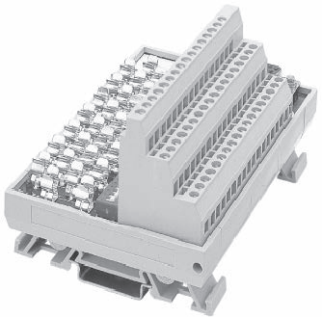


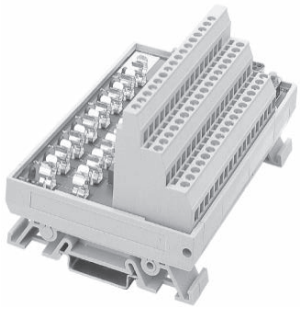
Standard Terminal 8-channel for
3-wire sensor devices:
Cat. No. 1492-AIFM8-3

Safety Integrity Level (SIL 2)
Cat. No. 1492-TAIFM16-F-3

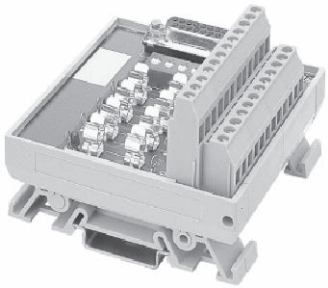
Analog Interface Modules (AIFMs)
Fusible

Fusible analog interface input modules provide a convenient method to fuse the input power source on the field side. The field-side power source is distributed through individual on-board 5 x 20 fuse holders. The AIFMs have a 24V DC blown fuse indicators to reduce the troubleshooting time required to locate and replace a blown fuse. Fusible modules have an easy-to-remove transparent plexiglass cover to prevent objects from contacting fuse circuitry under normal operation. Standard fuse holders reside in the IFM, aiding in the removal of a fuse with a fuse puller (fuses are not included). Isolation switch plugs, or "dummy fuses", are also available to isolate an input circuit once power is removed. In addition, once the circuit has been isolated and power restored, the input loop current can be measured in 2-wire transmitter applications. The fusible modules also have three or five terminals per I/O analog input point to create a power bus for device shield and power connections.





Fused 4-channel module with 24V blown fuse indication, test points and 5 terminals per input: Cat. No. 1492-AIFM4I-F-5
8-channel input module with 24V blown fuse indication and 5 terminals per input: Cat. No. 1492-AIFM8-F-5



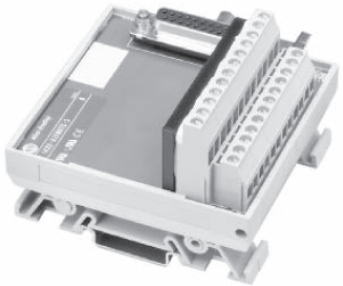
Analog Fused Products
Cat. No. 1492-AIFM4C-F-5, 1492-AIFM4F-F-5, 1492-AIFM8-F-5, 1492-AIFM16-F-3, 1492-AIFM16-F-5

Fused 16-channel module with 24V blown fuse indication, test points and 3 terminals per input: Cat. No. 1492-AIFM16-F-3

16-channel input module with 24V blown fuse indication and 5 terminals per input

Analog Interface Modules (AIFMs)
Thermocouple

The Cat. No.1492-AIFM6TC-3 Thermocouple IFM for the Cat. No. 1756-IT6I or -IT6I2 ControlLogix I/O module provides on-board cold junction compensation to allow thermocouples to be connected remotely while still correcting for temperature at the termination point. The combination thermistor and isothermal bar acquire temperature data at the AIFM for the thermocouple to adjust the input value.



Thermocouple 6-channel module with isothermal bar and 3 terminals per output: Cat. No. 1492-AIFM6-TC-3

Analog Cables
Pre-Wired

Bulletin 1492 pre-wired cables are designed to minimize control wiring in a panel. Pre-wired cables, when used with an analog IFM, replace the point-to-point wiring between Allen-Bradley programmable controller I/O modules and individual terminal blocks. The pre-wired cables have a removable terminal block or wiring arm from the PLC on one end of the cable and a D-Shell connector with a slide-locking mechanism on the other to connect to the IFM. Most pre-wired cables use twisted pairs and all have shield to aid noise immunity of the low-level analog signals. Most cables have a prepared drain wire with a ring lug at the I/O module end of the cable for convenient grounding of the cable shield to the chassis. They are 100% tested for continuity to make a perfect connection every time. The analog pre-wired cables are offered in four standard lengths of 0.5, 1.0, 2.5, and 5.0 m to fit a variety of applications. Other length cables are also available as build-to-order products. Pre-wired analog cables are available for many of the Bulletin 1746 SLC I/O, Bulletin 1756 ControlLogix I/O, Bulletin 1769 Compact I/O for CompactLogix, MicroLogix 1500, 1794 Flex I/O, and Bulletin 1771 PLC-5 I/O modules.

Analog Cables
I/O Ready - Not Available

Analog Cables
IFM Ready - Not Available

Cat. No. Explanation
Analog Cables for Bulletins 1746, 1756/1757, and 1771

1492 – ACABLE (a) 010 (b) A (c)

a

Analog Interface Cables

Important: Use tables as a product configurator for pre-wired, IFM-ready, and I/O module-ready cables for Bulletins 1746, 1756, and 1771 digital I/O module cables. All combinations of these fields make valid product cat. nos. Refer to selection tables for IFM/XIM compatibility, additional cables, and ordering.

b

Standard or Build-to-Order Length Cable		
Code	Description	
005	0.5 m (1.64 ft)	Standard
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001-020	0.1…2.0 m (0.328…6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order
020-100	2.0…10.0 m (6.56…32.8 ft) 0.5 m (1.64 ft) increments	
100-300	10.0…30.0 m (32.8…98.42 ft) 1.0 m (3.28 ft) increments	

c

A-Cable Type	
Code	Description
A, B, C, D, K, L, P, Q, R	Pre-wired cables for Bulletin 1746 analog and RTD I/O modules.
E, F, G, H, J	Pre-wired cables for Bulletin 1771 analog and RTD I/O modules.
TA, TB, TC, TD, UA, UB, UC, UD, VA, VB, WA, WB, X, Y, Z, ZA, ZB, ZC	Pre-wired cables for Bulletin 1756 analog, RTD, and thermocouple I/O modules.
YT	Pre-wired cable for Bulletin 1756 thermocouple I/O modules.
M	Pre-wired cables for Bulletin 1757 pulse input I/O modules

Cat. No. Explanation
Analog Cables for Bulletin 1746, 1769, 700H/700S and 1794

1492 – ACAB (a) 005 (b) A46 (c)

a

Analog Interface Cables

Important: For explanation purposes only. It is not a product configurator. All combinations of fields are not valid product cat. nos. First, select the desired AIFM using the steps in Ordering Digital and Analog Wiring Systems in publication 1492-TD008_-EN-P. Then, use this breakdown for verification and explanation only.

b

Standard or Build-to-Order Length Cable		
Code	Description	
005	0.5 m (1.64 ft)	Standard
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001-020	0.1…2.0 m (0.328…6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order
020-100	2.0…10.0 m (6.56…32.8 ft) 0.5 m (1.64 ft) increments	
100-300	10.0…30.0 m (32.8…98.42 ft) 1.0 m (3.28 ft) increments	

c

Cable Type	
Code	Description
A46	Analog cable for SLC500
AA69, AB69, BA69, BB69, BC69, BD69, C69,CA69, CB69, CC69, D69, EA69, EB69, EC69, ED69	Analog cable for 1769 I/O
Z7H	Analog cable PowerFlex 700H
X7S, Z7S	Analog cable PowerFlex 700S
Z94	Analog cable for Flex I/O

Digital IFM Modules with Field-Removable Terminal Blocks (RTBs)

Select groups of standard, fused and relay digital 1492 wiring system modules (refer to Selection Tables) have field terminal blocks that can be removed (RTB). This RTB feature can provide easier wiring of field devices in a control cabinet where the IFM is located in a hard to reach area, or where hand-access is limited. It can also provide easier and faster replacement of a damaged or defective 1492 wiring system module. The removable plug portion of the RTB assembly has a screw at each end to securely fasten it to the RTB socket, which is mechanically secured to the module circuit board hand housing. Modules are shipped with the RTB socket, but without the removable plug(s). Plugs are available with screw style (e.g., 1492-RTB20N)or push-in style (e.g., 1492- RTB16P) terminals and must be ordered separately(two pieces per cat. no.). Refer to the selection tables for the particular PLC I/O system of interest to determine which modules are offered with field removable terminal blocks.

All of the features available on fixed terminal block products (e.g. labels, agency certification, etc.) are also provided for the removable terminal block 1492 wiring system modules.

Analog AIFM Modules with Field-Removable Terminal Blocks (RTBs)

Select groups of analog 1492 wiring system modules (refer to Selection Tables) have field terminal blocks that can be removed (RTB). This RTB feature can provide easier wiring of field devices in a control cabinet where the IFM is located in a hard to reach area, or where hand-access is limited. It can also provide easier and faster replacement of a damaged or defective 1492 wiring system module. The removable plug portion of the RTB assembly has a screw at each end to securely fasten it to the RTB socket, which is mechanically secured to the module circuit board and housing. Modules hare shipped with the RTB socket, but without the removable plug(s). Plugs are available with screw style (1492-RTBxxN) or push-in style (1492-RTBxxP) terminals and must be ordered separately (Two pieces per cat. no.). Refer to the Selection Tables for the particular PLC I/O system of interest to determine which modules are offered with field Removable Terminals Blocks.

All of the features available on analog fixed terminal block products (e.g. labels, agency certification, etc.) are also provided for the removable terminal block 1492 wiring system modules.

Catalog Number Explanation
RTB Plugs

Important: The following cat. no. breakdown is for explanatory purposes only. It is not a product configurator. Not all combinations of fields are valid cat. nos. Use this breakdown for verification and explanation only.

1492 – RTB (a) 20 (b) – N (c)

a

Removable Terminal Block Plug

b

Number of Poles/Terminal
Code
8
12
14
16
17
20

c

Connector Style	
Code	Description
N	Screw Style
P	Push-in Style

Selecting a Wiring System

Use of Selection Tables

- Locate I/O module required. The top row indicates the I/O module for the I/O platform.
- Locate the interface module required. The second and third column indicates the interface module catalog number.
- Determine if an interface module exists for the I/O module; indicated by “Letter Code” in row (interface catalog number) and the column (I/O module).
- Locate cable. This is the letter indicated by “Letter Code” in the row (interface catalog number) and the column (I/O module). The “Letter Code” represents the suffix of the pre-wired cable.
- Determine cable catalog number. Add 1492-CABLE_ _ _”Letter Code”, example 1492-CABLE_ _ _A.
- Determine length of cable required, standard lengths are 0.5, 1.0, 2.5, and 5.0 m; which represents 005, 010, 025 and 050 for _ _ _ in the cable catalog number. Example 1492-CABLE010A = a 1.0 m cable with “Letter Code” A.

Digital IFMs and Cables for Bulletin 1756 ControlLogix 8-point and 16-point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1756 ControlLogix I/O Module — Digital Cable Cat. No. Suffix✦														
						1756-IA8D	1756-IA16	1756-IB16	1756-IC16	1756-IN16	1756-IV16	1756-OA8	1756-OA8D	1756-OA8E	1756-OA16	1756-OB8	1756-OB16E	1756-OC8	1756-ON8	1756-OV16E
Feed-Through																				
24...240	1	Standard	**1492-IFM20F**	**1492-RIFM20F**	1492-RTB10✪	U	X	X	X	X	X	U	U	U	X	U	X	U	U	X
	2	Extr. Term.	**1492-IFM20F-2**	**1492-RIFM20F-2**	1492-RTB20✪	U	X	X	X	X	X	U	U	U	X	U	X	U	U	X
24...120	1	Narrow	**1492-IFM20FN**	**1492-RIFM20FN**	1492-RTB20✪	U	X	X	X	X	X	U	U	U	X	U	X	U	U	X
	3	Sensor	**1492-IFM20F-3**	—	—		X	X	X	X	X									
LED Indicating																				
24	1	Standard	**1492-IFM20D24**	—	—			X		X	X						X			X
	1	Narrow	**1492-IFM20D24N**	—	—			X		X	X						X			
	2	Extr. Term. (input)	**1492-IFM20D24A-2**	—	—			X		X	X									
	2	Extr. Term. (output)	**1492-IFM20D24-2**	—	—												X			X
	3	Sensor	**1492-IFM20D24-3**	—	—			X		X	X									
	4	Isolated w/Extr.Term.	1492-IFM20DS24-4	—	—											W		W	W	
120	1	Narrow	**1492-IFM20D120N**	—	—	U	X								X					
	2	Extr. Term. (input)	**1492-IFM20D120A-2**	—	—	U	X													
	2	Extr. Term. (output)	**1492-IFM20D120-2**	—	—										X					
	4	Isolated w/Extr.Term.	1492-IFM20DS120-4	—	—							W	V	V						
Fusible																				
24	2	Blown fuse LED	**1492-IFM20F-F24-2**	**1492-RIFM20F-F24-2**	1492-RTB20✪												X			X
	2	Blown fuse LED (input)	**1492-IFM20F-F24A-2**	**1492-RIFM20F-F24A-2**				X		X										
24...120	2	Extra Terminals	**1492-IFM20F-F-2**	1492-RIFM20F-F-2											X		X			X
120	2	Blown fuse LED	**1492-IFM20F-F120-2**	**1492-RIFM20F-F120-2**											X					
	2	Blown fuse LED (input)	**1492-IFM20F-F120A-2**	**1492-RIFM20F-F120A-2**			X													
Fusible, Isolated																				
24	2	Blown fuse LED	**1492-IFM20F-FS24-2**	—	—											W		W	W	
24...120	2	Extra Terminals	**1492-IFM20F-FS-2**	—	—							W	V	V		W		W	W	
120	2	Blown fuse LED	**1492-IFM20F-FS120-2**	—	—							W	V	V						
	4	Blown fuse LED	1492-IFM20F-FS120-4	—	—							W	V	V						
	4	Blown fuse LED (input)	1492-IFM20F-FS120A-4	—	—	U														
240	4	Blown fuse LED	1492-IFM20F-FS240-4	—	—							W								

See footnotes on the following page.

Relay XIMs and Cables for Bulletin 1756 ControlLogix 8-point and 16-point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1756 ControlLogix I/O Module — Digital Cable Cat. No. Suffix ✦														
						1756-IA8D	1756-IA16	1756-IB16	1756-IC16	1756-IN16	1756-IV16	1756-OA8	1756-OA8D	1756-OA8E	1756-OA16	1756-OB8	1756-OB16E	1756-OC8	1756-ON8	1756-OV16E
Relay Master, LED Indicating §♣																				
24	1	8 Relays	**1492-XIM2024-8R**	—	—												X			
	1	16 Relays	**1492-XIM2024-16R**	—	—												X			
	1	16 Relays w/Fusing	**1492-XIM2024-16RF**	—	—												X			
120	1	8 Relays	**1492-XIM20120-8R**	—	—										X					
	1	16 Relays	**1492-XIM20120-16R**	—	—										X					
	1	16 Relays w/Fusing	**1492-XIM20120-16RF**	—	—										X					
High Density Relay Master, LED Indicating §♣																				
24	1	16 Relays - Mechanical	1492-XIMTR2024-16R	1492-RXIMTR2024-16R	1492-RTB20✪												X			
	1	16 Relays - Solid-State	1492-XIMTS2024-16R	1492-RXIMTS2024-16R													X			
Relay Expander, LED Indicating §♣																				
24	1	8 Relays	**1492-XIM24-8R**	1492-RXIM24-8R	1492-RTB12✪												✶			
120	1	8 Relays	1492-XIM120-8R	—	—										✶					
Fusible Expander																				
120	2	8-ch - blown fuse indication	1492-XIMF-F24-2	—	—												✶			
120	2	8-ch - blown fuse indication	1492-XIMF-F120-2	—	—										✶					
Feed-Through Expander																				
120	2	8-ch	**1492-XIMF-2**	—	—										✶		✶			

✦ To order a Pre-wired Cable, add the appropriate **letter** from the selection table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CABLE005_
1.0M Cable = 1492-CABLE010_
2.5M Cable = 1492-CABLE025_
5.0M Cable = 1492-CABLE050_

Custom Length Cable = 1492-CABLEXXX_. See Catalog Number Explanation on page 12-137 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ Can have up to one (1) expander module depending upon master used (total 16 outputs or less). An extender cable is provided.

♣ LED indicating PLC output status

§ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

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Digital IFMs and Cables for Bulletin 1756 ControlLogix 16-point Isolated and 32-point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1756 ControlLogix I/O Module — Digital Cable Cat. No. Suffix✦																	
						1756-IA16I	1756-IB16D	1756-IB16I	1756-IA32	1756-IB32	1756-IV32	1756-IH16I	1756-IM16I	1756-OA16I	1756-OB8EI	1756-OB16D	1756-OB16I	1756-OB16IS	1756-OB32	1756-OV32E	1756-OH8I	1756-OW16I	1756-OX8I
Feed-through																							
24... 120	1	Standard	**1492-IFM40F**	**1492-RIFM40F**	1492-RTB20✪	Y	Y	Y	Z	Z	Z	Y		Y	Y	Y	Y	Y	Z	Z	Y	Y	Y
	2	Extra Terminals	**1492-IFM40F-2**	**1492-RIFM40F-2**	1492-RTB20✪		Y		Z	Z	Z					Y			Z	Z			
	3	Sensor	**1492-IFM40F-3**	—	—					Z	Z												
LED Indicating																							
24	1	Standard	**1492-IFM40D24**	1492-RIFM40D24	1492-RTB20✪					Z	Z								Z	Z			
	2	Extr.Term.	1492-IFM40D24-2	—	—														Z	Z			
	2	Extr.Term. (input)	**1492-IFM40D24A-2**	1492-RIFM40D24A-2	1492-RTB20✪					Z	Z												
	3	Sensor	**1492-IFM40D24-3**	—	—					Z	Z												
	4	Isolated	**1492-IFM40DS24-4**	—	—										Y	Y[13]	Y	Y				Y	Y
	4	Isolated (input)	**1492-IFM40DS24A-4**	—	—		Y	Y															
120	2	Extr.Term. (input)	**1492-IFM40D120A-2**	—	—				Z														
	4	Isolated	1492-IFM40DS120-4	—	—									Y								Y	Y
	4	Isolated (input)	**1492-IFM40DS120A-4**	—	—	Y																	
240	4	Isolated (input)	**1492-IFM40DS240A-4**	—	—								Y										
Fusible																							
24	2	Blown fuse LED	**1492-IFM40F-F24-2**	1492-RIFM40F-F24-2	1492-RTB20✪														Z	Z			
	2	Blown fuse LED	**1492-IFM40F-F24D-2**	—	—											Y							
	4	Blown fuse LED	**1492-IFM40F-F24AD-4**	—	—		Y																
24... 120	2	Extra Terminals	**1492-IFM40F-F-2**	—	—														Z	Z			
Fusible - Isolated																							
24	2	Extr. Term.	**1492-IFM40F-FS24-2**	—	—										Y	❄	Y[12]	Y[12]				Y	Y
	4	Blown fuse LED	**1492-IFM40F-FS24-4**	—	—										Y	❄	Y[12]	Y[12]				Y	Y
	4	Blown fuse LED (input)	**1492-IFM40F-FS24A-4**	—	—		‡	Y															
24... 120	2	Extr. Term.	**1492-IFM40F-FS-2**	—	—									Y	Y	Y	Y[12]	Y[12]			Y	Y	Y
	4	Extr. Term.	**1492-IFM40F-FS-4**	—	—									Y	Y	Y	Y[12]	Y[12]				Y	Y
	4	Blown fuse LED (input)	1492-IFM40F-FSA-4	—	—	Y	Y	Y				Y											
120	2	Blown fuse LED	**1492-IFM40F-FS120-2**	1492-RIFM40F-FS120-2	1492-RTB20✪									Y							Y	Y	Y
	4	Blown fuse LED	**1492-IFM40F-FS120-4**	1492-RIFM40F-FS120-4	1492-RTB17✪									Y								Y	Y
	4	Blown fuse LED (input)	**1492-IFM40F-FS120A-4**	1492-RIFM40F-FS120A-4	1492-RTB17✪	Y						Y											
240	4	Blown fuse LED	**1492-IFM40F-FS240-4**	—	—									Y								Y	Y
	4	Blown fuse LED	1492-IFM40F-FS240A-4	—	—								Y										
Safety Integrity Level (SIL) [14]																							
24	2	Blown fuse LED (input)	1492-TIFM40F-F24A-2	—	—														Z	Z			
	2	Blown fuse LED	1492-TIFM40F-24-2	—	—											Y							

See footnotes on the following page.

Relay XIMs and Cables for Bulletin 1756 ControlLogix 16-point Isolated and 32-point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.		Removable Terminal Block Cat. No.	RTB Plugs❖ Cat. No.	Bulletin 1756 ControlLogix I/O Module — Digital Cable Cat. No. Suffix✦																		
							1756-IA16I	1756-IB16D	1756-IB16I	1756-IA32	1756-IB32	1756-IV32	1756-IH16I	1756-IM16I	1756-OA16I	1756-OB8EI	1756-OB16D	1756-OB16I	1756-OB16IS	1756-OB32	1756-OV32E	1756-OH8I	1756-OW16I	1756-OX8I
Relay Master (LED Indicating)§♣																									
24	1	8 relays	1492-XIM4024-8R		—	—														Z					
	1	16 relays	**1492-XIM4024-16R**		1492-RXIM4024-16R	1492-RTB14✪														Z					
	1	16 relays with fusing	**1492-XIM4024-16RF**		—	—														Z					
High Density Relay Master (LED Indicating)§♣																									
24	1	32 relays - mechanical	1492-XIMTR4024-32R	♠	1492-RXIMTR4024-32R	1492-RTB20✪														Z	Z				
	1	32 relays - solid-state	1492-XIMTS4024-32R	♠	1492-RXIMTS4024-32R															Z					
Relay Expander (LED Indicating)§♣																									
24	1	Expander with 8 relays	**1492-XIM24-8R**		1492-RXIM24-8R	1492-RTB12✪														➢					
Fusible Expander																									
24	2	8 Ch Blown fuse LED	1492-XIMF-F24-2		—	—														➢					
	1	16 Ch Blown Fuse LED	**1492-XIM24-16RF**		—	—														⌘					
Feed-Through Expander																									
120	2	8 Ch	**1492-XIMF-2**		—	—														➢					

✦ To order a Pre-wired Cable, add the appropriate **letter** from the selection table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CABLE005_
1.0M Cable = 1492-CABLE010_
2.5M Cable = 1492-CABLE025_
5.0M Cable = 1492-CABLE050_

Custom Length Cable = 1492-CABLEXXX_. See Catalog Number Explanation on page 12-137 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

♠ Requires four RTB Plugs.

♣ The LED indicates the PLC output status.

➢ Can have up to 2 or 3 expander modules depending upon master used (total 32 outputs or less). An extender cable is provided.

⌘ One 1492-XIM24-16RF is to be used with one 1492-XIM4024-16R or 1492-XIM4024-16RF master (32 pt. only).

§ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

❄ The 1492-IFM40F-FS24-2 and 1492-IFM40F-FS24-4 module and 1492-CABLE*Y cable can be used with the 1756-OB16D module. However, due to the 1492-IFM40F-FS24-2 and 1492-IFM40F-Fs24-4 module's blown fuse leakage current ratings, the "no load" diagnostic function of the 1756-OB16D will not indicate a blown or removed fuse as a no load condition. If you require this diagnostic to function for a blown or removed fuse, you must use a 1492-IFM40F-F24D-2.

‡ The 1492-IFM40F-FS24A-4 module and 1492-CABLE*Y cable can be used with the 1756-IB16D module. However, due to the 1492-IFM40F-FS24A-4 module's blown fuse leakage current rating, the "wire off" diagnostic function of the 1756-IB16D will not indicate a blown or removed fuse as a wire off condition. If you require this diagnostic to function for a blown or removed fuse, you must use a 1492-IFM40F-F24AD-4.

12 Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

13 IFMs LED provides PLC output ON/OFF indication. Due to the magnitude of current through the LED, the 1756-0B16D PLC module “No Load” diagnostic function will not work. If this function is required, use the Cat. No. 1492-IFM40F-2.

14 This 1492 module is for use in SIL2 safety systems only. It does not satisfy the requirements for general I/O fault tolerance. To use this module in a SIL2 application, specially developed application software for the ControlLogix processor must be used. To obtain the latest revision of this application software contact Technical Support at 1-440-646-3434.

Analog AIFMs and Cables for Bulletin 1756 ControlLogix Standard and Combination Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1756 Analog I/O Module														
						1756-IF8 (Sgl-End Voltage)	1756-IF8 (Sgl-End Current)	1756-IF8 (Diff Voltage)	1756-IF8 (Diff Current)	1756-IF16 (Sgl-End Voltage)	1756-IF16 (Sgl-End Current)	1756-IF16 (Diff Voltage)	1756-IF16 (Diff Current)	1756-OF4 (Voltage)	1756-OF4 (Current)	1756-OF8 (Voltage)	1756-OF8 (Current)	1756-IF4FXOF2F (Cur In & Out)	1756-IF4FXOF2F (Volt In & Out)	1756-IF4FXOF2F (Current In & Voltage Out)
			Cat. No.	Cat. No.	Cat. No.	Analog Cable Cat. No. Suffix ✦														
Feed-through																				
24	3	4-ch input, output or 2-in/2-out	**1492-AIFM4-3**	1492-RAIFM4-3	1492-RTB8✪									VA	VB					
	3...4	6-ch isolated	**1492-AIFM6S-3**	**1492-RAIFM6S-3**	1492-RTB12✪													ZA	ZB	ZC
	3	8-ch differential, 16-ch single-ended	**1492-AIFM8-3**	**1492-RAIFM8-3**	1492-RTB16✪	TA	TB	TC	TD	UA	UB	UC	UD			WA	WB			
Fusible Analog																				
24	5	8-ch blown fuse LED	**1492-AIFM8-F-5**	—	—	TA	TB	TC	TD			UC	UD					ZA	ZB	ZC
	3	16-ch blown fuse LED	**1492-AIFM16-F-3**	—	—					UA	UB	UC	UD							
	5	16-ch input blown fuse LED	**1492-AIFM16-F-5**	—	—					UA	UB	UC	UD							
Safety Integrity Level §																				
24	3	Blown fuse LED	1492-TAIFM16-F-3	—	—					UA										

See footnotes on the following page.

Analog AIFMs and Cables for Bulletin 1756 ControlLogix Isolated, RTD, Thermocouple and Specialty Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1756 Analog I/O Module✶																
						1756-IF6I (Current)	1756-IF6I (Voltage)	1756-IF6CIS	1756-OF6CI	1756-OF6VI	1756-IR6I	1756-IT6I	1756-IT6I2	1756-IF8H (Voltage with HART)	1756-IF8H (Current with HART)	1756-IF16H (Single-ended with HART)	1756-IF16H (Differential with HART)	1756-OF8H (Voltage with HART)	1756-OF8H (Current with HART)	1756-HSC (12...24V DC)	1756-HSC (5V DC)	1756-PIM
			Cat. No.	Cat. No.	Cat. No.	Analog Cable Cat. No. Suffix✦																
Feed-through																						
24	3..4	6-ch isolated	**1492-AIFM6S-3**	**1492-RAIFM6S-3**	1492-RTB12✪	X	Y	Z	Y	Y	Z											
	3	8-ch differential, 16-ch single-ended	**1492-AIFM8-3**	**1492-RAIFM8-3**	1492-RTB16✪									UC	UD			WA	WB			
Thermocouple																						
24	3	6-ch	**1492-AIFM6TC-3**	—	—							Y	YT									
High-Speed Counter/Encoder																						
24	1	2-ch, counter input 4 outputs	**1492-AIFMCE4**	—	—															XA	XB	
Fusible High-Speed Counter/Encoder																						
24	1	2-ch, fused counter input, fused outputs	**1492-AIFMCE4-F**	—	—															XA	XB	
Fusible Analog																						
24	5	8-ch w/ blown fuse LED	**1492-AIFM8-F-5**	—	—									UC	UD							
	3	16-ch w/ blown fuse LED	**1492-AIFM16-F-3**	—	—											UB	❄					
	1	8 input/ 2 output ch	1492-AIFMPI	—	—																	M

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-ACABLE005_
1.0M Cable = 1492-ACABLE010_
2.5M Cable = 1492-ACABLE025_
5.0M Cable = 1492-ACABLE050_

Custom Length Cable = 1492-CABLEXXX_. See Catalog Number Explanation on page 12-137 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ Some analog I/O modules can be operated in up to four modes (current/voltage, single-ended/differential) based on connections. In all cases, each channel is factory-configured for the same mode. However, you can field configure any channel for another mode. You may need to alter the terminal block wiring to match the application. Refer to the *PLC I/O Module Installation Manual*.

❄ Requires two Cat. No. 1492-AIFM16-F-3, one cable, Cat. No. 14952-AC005005UF, is required.

§ This 1492 module is for use in SIL2 safety systems only. It does not satisfy the requirements for general I/O fault tolerance. To use this module in a SIL2 application, specially developed application software for the ControlLogix processor must be used. To obtain the latest revision of this application software contact Technical Support at 1-440-646-3434.

Digital IFMs and Cables for Bulletin 1769 CompactLogix 8-Point and 16-Point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1769 CompactLogix I/O Module — Digital Cable Cat. No. Suffix +												
						1769-IA8I	1769-IA16	1769-IQ16	1769-IQ16F	1769-IM12	1769-OA8	1769-OA16	1769-OB8	1769-OB16	1769-OV16	1769-OW8	1769-OW8I	1769-OW16
Feed-Through																		
120	1	Narrow	**1492-IFM20FN**	**1492-RIFM20FN**	1492-RTB10✪	F69	A69	B69	B69		C69	M69	L69	E69	E69	C69		M69
120	3	Sensor	**1492-IFM20F-3**	—	—	—	A69	B69	B69									
240	1	Standard	**1492-IFM20F**	**1492-RIFM20F**	1492-RTB20✪	F69	A69	B69	B69	G69	C69	M69	L69	E69	E69	C69	D69	M69
240	2	Extr. Term.	**1492-IFM20F-2**	**1492-RIFM20F-2**	1492-RTB20✪	—	A69	B69	B69	G69	C69	M69	L69	E69	E69	C69	—	M69
LED Indicating																		
24	1	Standard	**1492-IFM20D24**	—	—			B69	B69					E69	E69			M69
	1	Narrow	**1492-IFM20D24N**	—	—			B69	B69					E69				H69
	2	Extr. Term. (output)	**1492-IFM20D24-2**	—	—									E69	E69			M69
	2	Extr. Term. (input)	**1492-IFM20D24A-2**	—	—			B69	B69									
	3	Sensor	**1492-IFM20D24-3**	—	—			B69	B69									
	4	Isolated	1492-IFM20DS24-4	—	—											C69	D69	
120	1	Standard	**1492-IFM20D120**§	—	—		A69					M69						M69
	1	Narrow	**1492-IFM20D120N**	—	—		A69					H69						H69
	2	Extr. Term. (output)	**1492-IFM20D120-2**	—	—							M69						M69
	2	Extr. Term. (input)	**1492-IFM20D120A-2**	—	—		A69											
	4	Isolated	1492-IFM20DS120-4	—	—						C69					C69	D69	
240	2	Extr. Term. (output)	1492-IFM20D240-2	—	—							M69						M69
	2	Extr. Term. (input)	**1492-IFM20D240A-2**	—	—					G69								
Fusible																		
24	2	Extr. Term., blown fuse LED	**1492-IFM20F-F24-2**	**1492-RIFM20F-F24-2**	1492-RTB20✪									E69	E69			M69
	2	Extr. Term. (input), blown fuse LED	**1492-IFM20F-F24A-2**	**1492-RIFM20F-F24A-2**	1492-RTB20✪			B69 *	B69 *						E69			
24...120	2	Extr. Term. (output)	**1492-IFM20F-F-2**	1492-RIFM20F-F-2	1492-RTB20✪							M69		E69	E69			M69
120	2	Extr. Term., blown fuse LED	**1492-IFM20F-F120-2**	**1492-RIFM20F-F120-2**	1492-RTB20✪							M69						M69
	2	Extr. Term. (input), blown fuse LED	**1492-IFM20F-F120A-2**	**1492-RIFM20F-F120A-2**	1492-RTB20✪		A69											
Fusible, Isolated																		
24	2	Extr. Term., blown fuse LED	**1492-IFM20F-FS24-2**	—	—											C69	D69	
24...120	2	Extr. Term. (output)	**1492-IFM20F-FS-2**	—	—						C69					C69	D69	
120	2	Extr. Term. (output), blown fuse LED	**1492-IFM20F-FS120-2**	—	—						C69					C69	D69	
	4	Extr. Term. (output), blown fuse LED	1492-IFM20F-FS120-4	—	—						C69					C69	D69	
240	4	Extr. Term. (output), blown fuse LED	1492-IFM20F-FS240-4	—	—												D69	

See footnotes on the following page.

Relay XIMs and Cables for Bulletin 1769 CompactLogix 8-Point and 16-Point I/O Modules

Voltage [M]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module												
						1769-IA8I	1769-IA16	1769-IQ16	1769-IQ16F	1769-IM12	1769-OA8	1769-OA16	1769-OB8	1769-OB16	1769-OV16	1769-OW8	1769-OW8I	1769-OW16
			Cat. No.	Cat. No.	Cat. No.	Digital Cable Cat. No. Suffix✦												
Relay Master (LED Indicating)♣➢																		
24	1	8 DC Relays	**1492-XIM2024-8R**	—	—									E69				
120	1	8 AC Relays	**1492-XIM20120-8R**	—	—							H69						
24	1	16 DC Relays	**1492-XIM2024-16R**	—	—									E69				
24	1	16 DC Relays w/fusing	**1492-XIM2024-16RF**	—	—									E69				
120	1	16 AC Relays	**1492-XIM20120-16R**	—	—							H69						
120	1	16 AC Relays w/ fusing	**1492-XIM20120-16RF**	—	—							H69						
High Density Relay Master, LED Indicating♣➢																		
24	1	16 Relays - Mechanical	1492-XIMTR2024-16R	1492-RXIMTR2024-16R	1492-RTB20✪									E69				
24	1	16 Relays - Solid-State	1492-XIMTS2024-16R	1492-RXIMTS2024-16R										E69				
Relay Expander (LED Indicating)♣➢																		
24	1	Expander w/ 8 DC relays	**1492-XIM24-8R**	1492-RXIM24-8R	1492-RTB12✪									❄				
120	1	Expander w/ 8 DC relays	1492-XIM120-8R	—	—													
Fusible Expander																		
24	2	8-ch w/ blown fuse LED	1492-XIMF-F24-2	—	—									❄				
120	2	8-ch w/ blown fuse LED	1492-XIMF-F120-2	—	—							❄						
Feed-Through Expander																		
120	2	8-ch Expander	**1492-XIMF-2**	—	—							❄	❄	❄				

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ In the input module's sink mode only.

❄ One expander module is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to connect it to the master.

§ This IFM is not recommended for use the PLC I/O modules that have an off-state leadkage current exceeding 0.5 mA. Use a 1492-IFM20D120N or 1492-IFM20D120A-2 for inputs. Use 1492-IFM20D120-2 for outputs.

➢ The LED indicates the PLC output status.

♣ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

Digital IFMs and Cables for Bulletin 1769 CompactLogix 32-point I/O Expansion Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module				
						1769-IQ32	1769-IQ32T	1769-OB32	1769-OB32T	1769-OV32T
			Cat. No.	Cat. No.	Cat. No.	Digital Cable Cat. No. Suffix ✦				
Feed-Through										
24...120	1	Standard	**1492-IFM40F**	**1492-RIFM40F**	1492-RTB20✪	J69	H	K69	H	H
	2	Extr. Term.	**1492-IFM40F-2**	**1492-RIFM40F-2**	1492-RTB20✪	J69	H	K69	H	H
	3	Sensor	**1492-IFM40F-3**	—	—	J69	H			
LED Indicating										
24	1	Standard	**1492-IFM40D24**	1492-RIFM40D24	1492-RTB20✪	J69	H	K69	H	H
	2	Extr. Term. (output)	1492-IFM40D24-2	—	—			K69	H	H
		Extr. Term. (input)	**1492-IFM40D24A-2**	1492-RIFM40D24A-2	1492-RTB20✪	J69	H			
	3	Sensor	**1492-IFM40D24-3**	—	—	J69	H			
24	2	Extr. Term.	**1492-IFM40F-F24-2**	1492-RIFM40F-F24-2	1492-RTB20✪			K69	H	H
24...120	2	Extr. Term.	**1492-IFM40F-F-2**	—	—			K69	H	H

See footnotes on the following page.

Relay XIMs and Cables for Bulletin 1769 CompactLogix 32-point I/O Expansion Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module				
						1769-IQ32	1769-IQ32T	1769-OB32	1769-OB32T	1769-OV32T
			Cat. No.	Cat. No.	Cat. No.	Digital Cable Cat. No. Suffix✦				
Relay Master (LED Indicating)§♣										
24	1	8 Relays	1492-XIM4024-8R	—	—			K69	H	
	1	16 Relays	**1492-XIM4024-16R**	1492-RXIM4024-16R	1492-RTB14✪			K69	H	
	1	16 Relays w/ fusing	**1492-XIM4024-16RF**	—	—			K69	H	
High Density Relay Master (LED Indicating) §♣										
24	1	32 relays - mechanical	1492-XIMTR4024-32R	♠ 1492-RXIMTR4024-32R	1492-RTB20✪			K69	H	
24	1	32 relays - solid-state	1492-XIMTS4024-32R	♠ 1492-RXIMTS4024-32R				K69	H	
Relay Expander (LED Indicating)§♣										
24	1	8-ch Expander	**1492-XIM24-8R**	1492-RXIM24-8R	1492-RTB12✪			❄	❄	
Fusible Expander										
24	2	8-ch Expander	1492-XIMF-F24-2	—	—			❄	❄	
	1	16-ch Expander	**1492-XIM24-16RF**	—	—			‡	‡	
Feed-Through Expander										
120	2	8-ch	**1492-XIMF-2**	—	—			❄	❄	

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

♠ Requires four RTB plugs

❄ Can have up to 2 or 3 expander modules depending upon master used (total 32 outputs or less). An extender cable is provided.

‡ The 1492-XIM24-16RF is to be used with one 1492-XIM4024-16R or 1492-XIM4024-16RF master (32 pts. max.).

♣ The LED indicates the PLC output status.

§ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

Analog AIFMs and Cables for Bulletin 1769 CompactLogix I/O Standard and Combination Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1769 CompactLogix I/O Module: 1769-IF4 (Sgl-End Voltage)	1769-IF4 (Sgl-End Current)	1769-IF4 (Diff Voltage)	1769-IF4 (Diff- Current)	1769-IF8 (Sgl-End Voltage)	1769-IF8 (Sgl-End Current)	1769-IF8 (Diff - Voltage)	1769-IF4 (Diff - Current)	1769-OF2 (Voltage)	1769-OF8C (Current)	1769-OF8V (Voltage)	1769-OF4 (Current)	1769-OF4 (Voltage)
						Analog Cable Cat. No. Suffix ✦												
Feed-through																		
24	3	4-ch, 2 in or 2 out	**1492-AIFM4-3**	1492-RAIFM4-3	1492-RTB8✪	BA69	BB69	BC69	BD69					AA69			AC69	AD69
24	3	8-ch differential, 16-ch single ended	**1492-AIFM8-3**	**1492-RAIFM8-3**	1492-RTB16✪					EA69	EB69	EC69	ED69		D69	D69		
Fusible Analog																		
24	5	4-ch blown fuse LED, rest points	**1492-AIFM4I-F-5**	—	—	BA69	BB69	BC69	BD69									
24	5	8-ch blown fuse LED	**1492-AIFM8-F-5**	—	—					EA69	EB69	EC69	ED69					

Analog AIFMs and Cables for Bulletin 1769 CompactLogix I/O Specialty Modules

Voltage [V]	Term. per I/O	Description	Fixed Temrinal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1769 CompactLogix I/O Module: 1769-HSC	1769-IF4I (Current)	1769-IF4I (Voltage)	1769-IF16C (Current)	1769-IF16V (Voltage)	1769-IT6	1769-IR6	1769-OF4CI (Current)	1769-OF4VI (Voltage)	1769-IF4XOF2 or-IF4FXOF2F (Current in & out)	1769-IF4XOF2 or - IF4FXOF2F (Voltage in & out)	1769-IF4XOF2 or - IF4FXOF2F (Current in & Voltage out)
						Analog Cable Cat. No. Suffix ✦											
Feed-through																	
24	3	8-ch differential, 16-ch single ended	**1492-AIFM8-3**	**1492-RAIFM8-3**	1492-RTB16✪				EE69	EE69							
24	4	6-ch isolated	**1492-AIFM6S-3**	**1492-RAIFM6S-3**	1492-RTB12✪										CA69	CB69	CC69
Thermocouple																	
24	3	Thermocouple	**1492-AIFM6TC-3**	—	—						E69	E69					
RTD																	
24	4	6-ch isolated	**1492-AIFM6S-3**	**1492-RAIFM6S-3**	1492-RTB12✪							C69					
High-Speed Counter/Encoder																	
24	4	2-channel input counter	**1492-AIFMCE4**	—	—	HA69											
Fused High-Speed Counter/Encoder																	
24	4	2-ch fused couter input/ 4 fused output	**1492-AIFMCE4-F**	—	—	HA69											
Fusible Analog																	
24	5	4-ch blown fuse LED, rest points	**1492-AIFM4I-F-5**	—	—		BE69	BF69					AE69	AE69			
24	5	8-ch blown fuse LED	**1492-AIFM8-F-5**												CA69	CB69	CC69
24	3	16-ch input blown fuse LED	**1492-AIFM16-F-3**	—	—				EE69	EE69							

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-ACAB005_
1.0M Cable = 1492-ACAB010_
2.5M Cable = 1492-ACAB025_
5.0M Cable = 1492-ACAB050_

Custom Length Cable = 1492-ACABXXX_. See Catalog Number Explanation on page 12-140 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

Digital IFMs and Cables for Bulletin 1762 MicroLogix 1200 I/O

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1762 MicroLogix1200 I/O Module: 1762-L40AWA Inputs	1762-L40BWA Inputs	1762-L40BXB Inputs	1762-L40AWA Outputs	1762-L40BWA Outputs	1762-L40BXB Outputs
						Digital Cable Cat. No. Suffix✦					
Feed-Through✶											
120	1	Standard	**1492-IFM40F**	**1492-RIFM40F**	1492-RTB20✪	A62	A62	A62	B62	B62	B62
	2	Extr. Term.	**1492-IFM40F-2**	**1492-RIFM40F-2**		A62	A62	A62	B62	B62	B62

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ When using this IFM module with the base I/O of the 1762 controller, the current rating of the outputs must be considered. Refer to Publication 1492-TD008 for details.

Digital IFMs and Cables for Bulletin 1764 MicroLogix 1500 I/O

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1764 MicroLogix 1500 I/O Module: 1764-AWA Inputs	1764-BWA Inputs	1764-BXB Inputs	1764-AWA Outputs	1764-BWA Outputs	1764-BXB Outputs
						Digital Cable Cat. No. Suffix✦					
Feed-Through✶											
120	2	Narrow	**1492-IFM20FN**	**1492-RIFM20FN**	1492-RTB10✪	A64	A64	B64	C64	C64	F64
240	1	Standard	**1492-IFM20F**	**1492-RIFM20F**	1492-RTB20✪	A64	A64	B64	C64	C64	F64
	2	Extr. Term.	**1492-IFM20F-2**	**1492-RIFM20F-2**	1492-RTB20✪	A64	A64	B64	C64	C64	F64

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ When using this IFM module with the base I/O of the 1764 controller, the current rating of the outputs must be considered. Refer to Publication 1492-TD008 for details.

Digital IFMs and Cables for Bulletin 1794 Flex I/O 8-Point and 16-Point Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1794 Flex Digital I/0 Module ⌘ Digital Cable Cat. No. Suffix✦										
						1794-IB16	1794-IB8	1794-IB10XOB6	1794-IV16	1794-OB16	1794-OB16P	1794-OB8	1794-OB8EP	1794-OV16	1794-OV16P	1794-OW8
Feed-Through																
24... 120	1	Standard	**1492-IFM20F**	**1492-RIFM20F**	1492-RTB20✪	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94
	1	Narrow	**1492-IFM20FN**	**1492-RIFM20FN**	1492-RTB10✪	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94
	2	Extr. Term.	**1492-IFM20F-2**	**1492-RIFM20F-2**	1492-RTB20✪	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94	A94
	3	Sensor	**1492-IFM20F-3**	—	—	A94	A94		A94							
LED Indicating																
24	1	Standard	**1492-IFM20D24**	—	—					A94	A94	A94	A94	A94	A94	
	1	Narrow	**1492-IFM20D24N**	—	—	A94	A94			A94	A94	A94	A94			
	2	Extr. Term. (output)	**1492-IFM20D24-2**	—	—					A94	A94	A94	A94	A94	A94	
	2	Extr. Term. (input)	**1492-IFM20D24A-2**	—	—	A94	A94		A94							
	4	Isolated w/ Extr. Term.	1492-IFM20DS24-4	—	—											A94
120	4	Isolated w/ Extr. Term.	1492-IFM20DS120-4	—	—											A94
Fusible																
24	2	Blown Fuse LED	**1492-IFM20F-F24-2**	**1492-RIFM20F-F24-2**	1492-RTB20✪					A94	A94	A94	A94	A94	A94	
	2	Blown Fuse LED (input)	**1492-IFM20F-F24A-2**	**1492-RIFM20F-F24A-2**	1492-RTB20✪	A94	A94									
24... 120	2	Blown Fuse LED	**1492-IFM20F-F-2**	1492-RIFM20F-F-2	1492-RTB20✪					A94	A94	A94	A94	A94	A94	
Fusible, Isolated																
24	2	Blown Fuse LED	**1492-IFM20F-FS24-2**	—	—											A94
24... 120	2	Extr. Term. (output)	**1492-IFM20F-FS-2**	—	—											A94
120	2	Blown Fuse LED	**1492-IFM20F-FS120-2**	—	—											A94

Digital IFMs and Cables for Bulletin 1794 Flex I/O 16-Point and 32-Point Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1794 Flex Digital I/O Module➤ Digital Cable Cat. No. Suffix✦			
						1794-IB16D	1794-IB16XOB16P	1794-IB32	1794-OB32P
Feed-Through									
24...120	1	Standard	**1492-IFM40F**	**1492-RIFM40F**	1492-RTB20✪	B94	B94	B94	B94
	2	Extr. Term.	**1492-IFM40F-2**	**1492-RIFM40F-2**	1492-RTB20✪	B94	B94	B94	B94
LED Indicating									
24	1	Standard	**1492-IFM40D24**	1492-RIFM40D24	1492-RTB20✪			B94	B94
	2	Extr. Term. (output)	1492-IFM40D24-2	—	—				B94
	2	Extr. Term. (input)	**1492-IFM40D24A-2**	1492-RIFM40D24A-2	1492-RTB20✪			B94	
Fusible									
24	2	Extr. Term. Blown Fuse LED	**1492-IFM40F-F24-2**	1492-RIFM40F-F24-2	1492-RTB20✪				B94
24...120	2	Extr. Term. (output)	**1492-IFM40F-F-2**	—	—				B94

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

⌘ Uses D-Shell Base 1794-TB37DS

➤ Uses D-Shell Base 1794-TB62DS

Relay XIMs and Cables for Bulletin 1794 Flex I/O 8-Point and 16-Point Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1794 Flex Digital I/O Module ⌘ Digital Cable Cat. No. Suffix✦										
						1794-IB16	1794-IB8	1794-IB10XOB6	1794-IV16	1794-OB16	1794-OB16P	1794-OB8	1794-OB8EP	1794-OV16	1794-OV16P	1794-OW8
Relay Master (LED Indicating)§♣																
24	1	8 Relays	**1492-XIM2024-8R**	—	—				A94	A94	A94					
	1	16 Relays	**1492-XIM2024-16R**	—	—				A94	A94						
	1	16 Relays w/ fusing	**1492-XIM2024-16RF**	—	—				A94	A94						
Relay Expander (LED Indicating)§♣																
24	1	8-ch Expander	**1492-XIM24-8R**	1492-RXIM24-8R	1492-RTB12✪				❄	❄						
Fusible Expander																
24	2	8-ch Expander	1492-XIMF-F24-2	—	—				❄	❄						
Feed-Through Expander																
24...120	2	8-ch Expander	**1492-XIMF-2**	—	—				❄	❄						

Relay XIMs and Cables for Bulletin 1794 Flex I/O 16-Point and 32-Point Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs ❖ Cat. No.	Bulletin 1794 Flex Digital I/O Module ➢ Digital Cable Cat. No. Suffix✦			
						1794-IB16D	1794-IB16XOB16P	1794-IB32	1794-OB32P
Relay Master (LED Indicating)§♣									
24	1	8 Relays	1492-XIM4024-8R	—	—				B94
24	1	16 Relays	**1492-XIM4024-16R**	1492-RXIM4024-16R	1492-RTB14✪				B94
24	1	16 Relays w/ fusing	**1492-XIM4024-16RF**	—	—				B94
Relay Expander (LED Indicating)§♣									
24	1	8 Relay Expander	**1492-XIM24-8R**	1492-RXIM24-8R	1492-RTB12✪				✶
Fusible Expander									
24	2	8-ch Expander, Blown Fuse LED	1492-XIMF-F24-2	—	—				✶
24	1	16-ch Expander, Blown Fuse LED	**1492-XIM24-16RF**	—	—				❄
Feed-Through Expander									
120	2	8-ch	**1492-XIMF-2**	—	—				✶

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

✶ Two or three expanders are connected to a master to provide a total of 32 outputs max (depends on PLX module). And extender cable is included with each expander to connect it to the master.

❄ One 1492-XIM24-16RF is to be used with one 1492-XIM4024-16R and 1492-XIM4024-16RF master (32 pt. only).

♣ The LED indicates the PLC output status.

➢ Uses D-Shell Base 1794-TB62DS

§ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

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Analog AIFMs for Bulletin 1794 Flex I/O

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1794 Flex I/O Module					
						1794-IE4X0E2	1794-IE8	1794-IF2X0F2I	1794-IF4I	1794-OE4	1794-OF4I
			Cat. No.	Cat. No.	Cat. No.	Analog Cable Cat. No. Suffix✦					
			Feed-through								
24	3	8-ch differential, 16-ch single-ended	**1492-AIFM8-3**	**1492-RAIFM8-3**	1492-RTB16✪	Z94	Z94	Z94	Z94	Z94	Z94
			Fusible								
24	5	8-ch, Blown fuse LED	**1492-AIFM8-F-5**	—	—	Z94	Z94	Z94	Z94		

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-ACAB005_
1.0M Cable = 1492-ACAB010_
2.5M Cable = 1492-ACAB025_
5.0M Cable = 1492-ACAB050_

Custom Length Cable = 1492-ACABXXX_. See Catalog Number Explanation on page 12-140 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

Digital IFMs and Cables for PowerFlex 700H/700S I/O

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	700H Drive I/O Module		700S Drive I/O Module
						20C-D01 & 20C-DA1-A	20C-D01 & 20CDA1-B	TB2
			Cat. No.	Cat. No.	Cat. No.	Digital Cable Cat. No. Suffix✦		
Feed-Through								
24...120	1	Standard	**1492-IFM20F**	**1492-RIFM20F**	1492-RTB20✪	A7H	B7H	A7S
	1	Narrow	**1492-IFM20FN**	**1492-RIFM20FN**	1492-RTB10✪	A7H	B7H	A7S
	2	Extr. Term.	**1492-IFM20F-2**	**1492-RIFM20F-2**	1492-RTB20✪	A7H	B7H	A7S

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_
1.0M Cable = 1492-CAB010_
2.5M Cable = 1492-CAB025_
5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

Analog AIFMs and Cables for PowerFlex 700H/700S I/O

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	700H Drive I/O Module		700S Drive I/O Module	
						700H-20C-DA1-A	700H- 20C-DA1-B	700S-TB1 (Pins 1...12)	700S-TB1 (Pins 13...24)
			Cat. No.	Cat. No.	Cat. No.	Analog Cable Cat. No. Suffix✦			
Feed-through									
24	3...4	6-ch isolated	**1492-AIFM6S-3**	**1492-RAIFM6S-3**	1492-RTB12✪	Z7H	Z7H	Z7S	
24	4	2-ch counter, input, 4 output	**1492-AIFMCE4**	—	—				X7S
24	4	2-ch fused counter, 4 fused output	**1492-AIFMCE4-F**	—	—				X7S

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-ACAB005_
1.0M Cable = 1492-ACAB010_
2.5M Cable = 1492-ACAB025_
5.0M Cable = 1492-ACAB050_

Custom Length Cable = 1492-ACABXXX_. See Catalog Number Explanation on page 12-140 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✪ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

Digital Cables
IFM-Ready ➤

IFM-ready cables have a cable connector on one end to attach to the IFM and either 20 or 40 individually colored conductors on the other end (CABLE∗P and CABLE∗Q, respectively). These cables allow the IFM to be used in specialty applications that require a custom connection.

Cable Cat. No.	Standard Cable Lengths	Insulation Rating	No. Conductors	Conductor Size	Nominal Outer Diameter	Current/ Conductor	Compatible IFM Cat. Nos.
1492-CABLE❄P	1.0, 2.5, 5.0 m	300V, 80°C	20	22 AWG	9 mm (0.36 in.)	2 A	1492-IFM20…, 1492-XIM20…
1492-CABLE❄Q	1.0, 2.5, 5.0 m	300V, 80°C	40	22 AWG	11.7 mm (0.46 in.)	2 A	1492-IFM40…, 1492-XIM40…

❄ IFM-ready cables are available in lengths of 1.0, 2.5, and 5.0 m. To order, insert the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CABLE025P** is for a 2.5 m, 20 conductor IFM-ready cable. Also refer to Build-to-Order Length Cables below.

➤ Not available for Analog I/O Modules

Custom Order Cable Information

All Bulletin 1492 cables are available in build-to-order lengths. Consult your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

Cable Lengths	Increment Size	Cable Length Codes	Example Cat. No.
0.1…2.0 m	0.1 m	001…020	1492-CABLE015A (1.5 m cable)
2.0…10.0 m	0.5 m	020…100	1492-CABLE075P (7.5 m cable)
10.0…30.0 m	1.0 m	100…300	1492-CABLE150RTBB (15.0 m cable)

Digital Cables — I/O-Ready for Bulletin 1756 ControlLogix➢⌘

Cable Cat. No.	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating I/O Module Cat. No.
1492-CABLE❄TBNH	1.0, 2.5, 5.0 m	Yes	20	1756-IA8D, -IA16, -IB16, -IC16, -IN16, -IV16, -OA8, -OA8D, -OA8E, -OA16, -OB8, -OB16E, -OC8, -ON8, -OV16E
1492-CABLE❄TBCH	1.0, 2.5, 5.0 m	Yes	40	1756-IA16I, -IA32, -IB16D, -IB16I, -IB32, -IV32, -IH16I, -IM16I, -OA16I, -OB8EI, -OB16D, -OB16IS, -OB16I, -OB32, -OV32E,-OH8I, -OW16I, -OX8I

❄ Cables are available in standard lengths of 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CABLE050TBNH** is for a 5.0 m cable with a pre-wired Cat. No. 1756-TBNH RTB on one end.

⌘ Discrete I/O read cables should not be used with PLC analog I/O modules as cable shield and drain wires are not provided.

Digital Cables - I/O-Ready for Bulletin 1769 CompactLogix➢❖

Cable Cat. No.	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating 1769 I/O Module Cat. No.
1492-CAB❄RTN10	1.0, 2.5, 5.0 m	Yes	12	1769-OA8, -OW8, -OB8
1492-CAB❄RTN18	1.0, 2.5, 5.0 m	Yes	20	1769-IA8I, -IA16, -IQ16, IQ16F, -OA16, -OB16, -OV16, -OW16, -OW8I, -IM12, -OW16, -0B8
1492-CAB❄RTN32I	1.0, 2.5, 5.0 m	Yes	40✦	1769-IQ32
1492-CAB❄RTN32O	1.0, 2.5, 5.0 m	Yes	40✦	1769-OB32
1492-CABLE❄N3	1.0, 2.5, 5.0 m	Yes	40✦	1769-IQ32T, -OB32T, -OV32T

❄ Cables are available in standard lengths of 1.0, 2.5, and 5.0 m. To order, insert the code for the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CAB050RTN10** is for a 5.0 m cable with a wired Cat. No. 1769-RTBN10 on one end.

✦ Use #22 AWG wire.

❖ Discrete I/O ready cables should not be used with PLC analog I/O modules as a cable shield and drain wire are not provided.

Digital Cables — I/O-Ready for Bulletin 1762 MicroLogix 1200➢

Cable Cat. No.	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating 1762 Controller I/O Cable Cat. No.
1492-CAB❄P62	1.0, 2.5, 5.0 m	No	40	1762-OB32T and 1762-OV32T Output Expansion I/O
1492-CAB❄U62	1.0, 2.5, 5.0 m	No	40	1762-IQ32T Input Expansion I/O
1492-CAB❄T62	1.0, 2.5, 5.0 m	Yes	25	1762 -L40AWA Outputs, -L40BWA Outputs, -L40BXB Outputs
1492-CAB❄X62	1.0, 2.5, 5.0 m	Yes	40	1762-L40AWA Inputs, -L40BWA Inputs, -L40BXB Inputs

❄ I/O ready cables are available in standard lengths of 1.0, 2.5, and 5.0 m. To order, insert the code for the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CAB010T62** is for a 1.0 m cable that could be used to connect a catalog number 1492-IFM40F to a catalog number 1762-L40AWA Input.

Digital Cables — I/O-Ready for Bulletin 1764 MicroLogix 1500 ➢

Cable Cat. No.	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating 1764 Base I/O Cat. No.
1492-CAB❄T64	1.0, 2.5, 5.0 m	Yes	20‡	AWA Outputs, BWA Outputs
1492-CAB❄U64	1.0, 2.5, 5.0 m	Yes	20‡	BXB Outputs
1492-CAB❄W64	1.0, 2.5, 5.0 m	Yes	20§	AWA Inputs, BWA Inputs
1492-CAB❄X64	1.0, 2.5, 5.0 m	Yes	20§	BXB Inputs

❄ I/O ready cables are available in standard lengths of 1.0, 2.5, and 5.0 m. To order, insert the code for the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CAB050T64** is for a 1.0 m cable that could be used to connect a catalog number 1492-IFM20F to a catalog number 1762-AWA Input.

‡ Uses #18 AWG wire.

§ Uses #22 AWG wire.

Digital Cables — I/O-Ready for Bulletin 1794 Flex I/O➢

Description	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating I/O Module Cat. No.
1492-CAB✶G94	1.0, 2.5, 5.0 m	Yes	20	1794-IB16, -IB8, -IV16, -OB16, -OB16P, -OB8, -OB8EP, -OV16, OV16P, -OW8, -IB10XOB8
1492-CAB✶H94	1.0, 2.5, 5.0 m	Yes	40	1794-IB16D, -IB32, OB32P, -IB16XOB16P

✶ Cables are available in standard lengths of 1.0, 2.5, and 5.0 m. To order, insert the code for the desired cable length into the cat. no. (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Cat. No. 1492-CAB050G94** is for a 5.0 m cable.

➢ Not available for Analog I/O Modules

Digital IFM Specifications

Digital IFM Cat. No.	Voltage Range	Dimensions (W x H x D) [in.]∗	Indicator Circuit Current (Nominal) [mA]	Label Card Cat. No.❄
1492-IFM20F, -RIFM20F	0…264V AC/DC	4.33 x 3.27 x 2.78‡	—	46006-190-01, 46006-233-01
1492-IFM20FN, -RIFM20FN	0…132V AC/DC	2.36 x 3.27 x 2.78‡	—	46006-197-01, -237-01, -220-01
1492-IFM20F-2, -RIFM20F-2	0…264V AC/DC	4.33 x 3.27 x 2.78‡	—	46006-192-01, -235-01, -221-01
1492-IFM20F-3	0…132V AC/DC	4.33 x 3.27 x 2.78	—	46006-210-01
1492-IFM20D24	10…30V AC/DC	4.33 x 3.27 x 2.78	2	46006-190-01, 46006-233-01
1492-IFM20D24N	10…30V AC/DC	2.36 x 3.27 x 2.78	2	46006-197-01, -237-01, -220-01
1492-IFM20D24-2	10…30V AC/DC	4.33 x 3.27 x 2.78	2	46006-192-01, -235-01, -221-01
1492-IFM20D24A-2	10…30V AC/DC	4.33 x 3.27 x 2.78	2	46006-211-01
1492-IFM20DS24-4	10…60V AC/DC	4.33 x 3.27 x 2.78	1.6	46006-209-01
1492-IFM20D24-3	10…30V AC/DC	4.33 x 3.27 x 2.78	2	46006-193-01, 46006-236-01
1492-IFM20D120	85…132V AC/DC	4.33 x 3.27 x 2.78	2.5	46006-190-01, 46006-233-01
1492-IFM20D120N	85…132V AC	2.36 x 3.27 x 2.78	2.5	46006-197-01, -237-01, -220-01
1492-IFM20D120-2	85…132V AC	4.33 x 3.27 x 2.78	2.5	46006-192-01, -235-01
1492-IFM20D120A-2	85…132V AC	4.33 x 3.27 x 2.78	2.5	46006-211-01
1492-IFM20DS120-4	85…132V AC	4.33 x 3.27 x 2.78	2.6	46006-209-01
1492-IFM20D240-2	204…264V AC	4.33 x 3.27 x 2.78	2.5	46006-192-01, -235-01
1492-IFM20D240A-2	204…264V AC	4.33 x 3.27 x 2.78	2.5	46006-211-01
1492-IFM20F-F-2, -RIFM20F-F-2	0…132V AC/DC	4.33 x 3.27 x 2.78‡	—	46006-192-01, -235-01, -221-01
1492-IFM20F-F24-2, -RIFM20F-F24-2	10…30V AC/DC	4.33 x 3.27 x 2.78‡	2	46006-192-01, -235-01, -221-01
1492-IFM20F-F24A-2, -RIFM20F-F24A-2	10…30V AC/DC	4.33 x 3.27 x 2.78‡	2.4	46006-212-01, -189-01
1492-IFM20F-F120-2, -RIFM20F-F120-2	85…132V AC	4.33 x 3.27 x 2.78‡	2.5	46006-192-01, -235-01, -221-01
1492-IFM20F-F120A-2, -RIFM20F-F120A-2	85…132V AC/DC	4.33 x 3.27 x 2.78‡	1.2	46006-212-01, -189-01
1492-IFM20F-F240-2	204…264V AC	4.72 x 3.27 x 2.78	1.2	46006-192-01, -235-01
1492-IFM20F-FS-2	0…132V AC/DC	2.36 x 3.27 x 2.78	—	46006-204-01
1492-IFM20F-FS24-2	10…30V AC/DC	2.36 x 3.27 x 2.78	2	46006-204-01
1492-IFM20F-FS24A-4	10…30V AC/DC	3.15 x 3.27 x 2.78	2.4	46006-215-01
1492-IFM20F-FS120-2	85…132V AC/DC	2.36 x 3.27 x 2.78	2.5	46006-204-01
1492-IFM20F-FS120-4	85…132V AC/DC	4.33 x 3.27 x 2.78	1.2	46006-214-01
1492-IFM20F-FS120A-4	85…132V AC/DC	3.15 x 3.27 x 2.78	2.2	46006-215-01
1492-IFM20F-FS240-4	204…264V AC	4.33 x 3.27 x 2.78	1.2	46006-214-01
1492-IFM40F, -RIFM40F	0…132V AC/DC	4.33 x 3.27 x 2.78‡	—	46006-191-01, -234-01, -252-01
1492-IFM40F-2	0…132V AC/DC	8.27 x 3.27 x 2.78	—	46006-224-01, -225-01, -239-01, -240-01, -253-01
1492-RIFM40F-2	0…132V AC/DC	9.05 x 3.27 x 2.78	—	46006-224-01, -225-01, -239-01, -240-01, -253-01
1492-IFM40F-3	0…60V AC/DC	8.27 x 3.27 x 2.78	—	46006-193-01, 46006-236-01
1492-IFM40D24, -RIFM40D24	10…30V AC/DC	4.33 x 3.27 x 2.78‡	2	46006-191-01, -234-01, -252-01
1492-IFM40D24-2	10…30V AC/DC	8.27 x 3.27 x 2.78	2	46006-194-01, -195-01, -253-01
1492-IFM40D24A-2	10…30V AC/DC	8.27 x 3.27 x 2.78	2	46006-224-01, -225-01, -239-01, -240-01, -253-01
1492-RIFM40D24A-2	10…30V AC/DC	9.05 x 3.27 x 2.78	2	46006-224-01, -225-01, -239-01, -240-01, -253-01
1492-IFM40DS24-4	10…60V AC/DC	6.69 x 3.27 x 2.78	4.1	46006-208-01
1492-IFM40DS24A-4	10…30V AC/DC	6.69 x 3.27 x 2.78	4.1	46006-208-01
1492-IFM40D24-3	10…30V AC/DC	8.27 x 3.27 x 2.78	2	46006-193-01, 46006-236-01
1492-IFM40D120-2	85…132V AC	8.27 x 3.27 x 2.78	2.5	46006-194-01, -195-01, -253-01
1492-IFM40D120A-2	85…132V AC	8.27 x 3.27 x 2.78	2.5	46006-194-01, -195-01, 253-01
1492-IFM40DS120-4	85…132V AC	6.69 x 3.27 x 2.78	2.6	46006-208-01
1492-IFM40DS120A-4	85…132V AC	6.69 x 3.27 x 2.78	2.6	46006-208-01
1492-IFM40DS240A-4	204…264V AC	6.69 x 3.27 x 2.78	2.6	46006-208-01
1492-IFM40F-F-2	0…132V AC/DC	8.27 x 3.27 x 2.78	—	46006-194-01, -195-01, -253-01
1492-IFM40F-F24-2	10…30V AC/DC	8.27 x 3.27 x 2.78	2	46006-224-01, -225-01, -239-01, -240-01, 253-01
1492-RIFM40F-F24-2	10…30V AC/DC	8.66 x 3.27 x 2.78	2	46006-224-01, -225-01, -239-01, -240-01, 253-01
1492-IFM40F-F24D-2	10…30V AC/DC	4.72 x 3.27 x 2.78	<0.05	46006-201-01
1492-IFM40F-F24AD-4	10…30V AC/DC	7.09 x 3.27 x 2.78	<0.05	46006-206-01
1492-IFM40F-F120-2	85…132V AC	8.27 x 3.27 x 2.78	2.5	46006-194-001, -195-01, -253-01
1492-IFM40F-FS-2	0…132V AC/DC	4.72 x 3.27 x 2.78	—	46006-201-01
1492-IFM40F-FS-4	0…264V AC/DC	7.09 x 3.27 x 2.78	—	46006-207-01
1492-IFM40F-FS24-2	10…30V AC/DC	4.72 x 3.27 x 2.78	2	46006-201-01
1492-IFM40F-FS24-4	10…30V AC/DC	7.09 x 3.27 x 2.78	2.4	46006-207-01
1492-IFM40F-FS120-2, -RIFM40F-FS120-2	85…132V AC/DC	4.72 x 3.27 x 2.78‡	2.5	46006-201-01
1492-IFM40F-FS120-4	85…132V AC/DC	7.09 x 3.27 x 2.78	1.4	46006-206-01
1492-RIFM40F-FS120-4	85…132V AC/DC	7.87 x 3.27 x 2.78	1.4	46006-226-01
1492-IFM40F-FS240-4	204…264V AC/DC	7.09 x 3.27 x 2.78	2.4	46006-207-01
1492-IFM40F-FS24A-4	10…30V AC/DC	7.09 x 3.27 x 2.78	3.1	46006-226-01
1492-IFM40F-FS120A-4	85…132V AC/DC	7.09 x 3.27 x 2.78	1.4	46006-226-01
1492-RIFM40F-FS120A-4	85…132V AC/DC	7.87 x 3.27 x 2.78	1.4	46006-226-01
1492-IFM40F-FSA-4	85…132V AC/DC	7.09 x 3.27 x 2.78	—	46006-226-01
1492-IFM40F-FS240A-4	85…264V AC/DC	7.09 x 3.27 x 2.78	1.4	46006-226-01
1492-TIFM40F-F24-2	24V DC	8.66 x 3.27 x 2.74	—	46006-230-01
1492-TIFM40F-F24A-2	24V DC	9.5 x 3.27 x 2.74	3	46006-230-01

∗ To convert to millimeters, multiply inches by 25.4
❄ Ships with each module. For spare part, precede the part number with the letter "W."
‡ Add 0.39 in. to the width dimension for Bulletin 1492-Rxxx modules.

Analog IFM Specifications

Analog IFM Cat. No.	Voltage Range	Max. Current (Per Circuit) [A]	Max. Current (Per Module) [A]	Dimensions (W x H x D) [in.]	Indicator Circuit Current (Nominal) [mA]	Label Card Cat. No.❄
1492-AIFM4-3, -RAIFM4-3	0…10V DC	2	12	2.36 x 3.27 x 2.74‡	—	46006-205-01
1492-AIFM4C-F-5	10…30V DC	2	12	3.15 x 3.27 x 2.74	2	46006-203-01
1492-AIFM4I-F-5	10…30V DC	2	12	3.15 x 3.27 x 2.74	2	46006-203-01
1492-AIFM6S-3, -RAIFM6S-3	0…132V AC/DC	2	12	3.15 x 3.27 x 2.74‡	—	46006-202-01
1492-AIFM6TC-3	0…132V AC/DC	2	12	3.15 x 3.27 x 2.74	—	46006-202-01
1492-AIFMCE4	5…32V AC/DC	2	8	5.12 x 3.27 x 2.74	—	46006-232-01
1492-AIFMCE4-F	5…32V AC/DC	2	8	5.12 x 3.27 x 2.74	1 mA @ 5V DC 6 mA @ 24V DC	46006-232-01
1492-AIFM8-3, -RAIFM8-3	0…132V AC/DC	2	12	4.33 x 3.27 x 2.74‡	—	46006-200-01, 46006-238-01
1492-AIFM8-F-5	10…30V DC	2	12	4.72 x 3.27 x 2.74	2	46006-196-01, -254-01
1492-AIFM16-F-3	10…30V DC	2	12	4.72 x 3.27 x 2.74	2	46006-213-01
1492-AIFM16-F-5	10…30V DC	2	12	8.27 x 3.27 x 2.74	2	46006-198-01
1492-AIFMQS	10…30V DC	3	12	4.72 x 3.27 x 2.74	2	46006-199-01
1492-AIFMPI	0…30V DC	2	12	4.72 x 3.27 x 2.74	2	46006-243-01
1492-TAIFM16-F-3	24V DC	2	12	9.88 x 3.27 x 2.74	2	46006-231-01

❄ Ships with each module. For spare part, precede the part number with the letter "W."
‡ Add 0.39 in. to the width dimension for Bulletin 1492-Rxxx modules.

Relay Master/Expandable Interface Module Specifications

Relay Master/Expandable XIM Cat. No.	Voltage Range	Max. Current (Per Circuit/Per Relay Pair) [A]	Max. Current (Per Module) [A]	Dimensions (W xH x D) [in.]	Indicator Circuit Current (Nominal) [mA]	Label Card Cat. No.❄
1492-XIM4024-16R, -RXIM4024-16R	20…26V DC	10/12	96	9.06 x 3.27 x 2.78	2	46006-222-01
1492-XIM4024-8R	20…26V DC	10/12	48	6.30 x 3.27 x 2.78	2	46006-216-01
1492-XIM2024-8R	20…26V AC	10/12	48	6.30 x 3.27 x 2.78	2	46006-216-01
1492-XIM20120-8R	96…132V AC	10/12	48	6.30 x 3.27 x 2.78	2	46006-216-01
1492-XIM24-8R, RXIM24-8R	20…26V AC	10/12	48	6.30 x 3.27 x 2.78	2	46006-217-01
1492-XIM120-8R	96…132V AC	10/12	48	6.30 x 3.27 x 2.78	2	46006-217-01
1492-XIM2024-16R	20…26V DC	10/12	96	10.65 x 3.27 x 2.78	2	46006-223-01
1492-XIM2024-16RF	20…26V DC	10/12	96	10.65 x 3.27 x 2.78	2	46006-223-01
1492-XIM20120-16R	96…132V AC	10/12	96	10.65 x 3.27 x 2.78	2	46006-223-01
1492-XIM20120-16RF	96…132V DC	10/12	96	10.65 x 3.27 x 2.78	2	46006-223-01
1492-XIM4024-16RF	20…26V AC	10/12	96	11.5 x 3.27 x 2.78	2	46006-223-01
1492-XIMF-2	0…132V AC/DC	2/NA	4	3.15 x 3.27 x 2.19	—	46006-218-01
1492-XIMF-F24-2	10…30V DC	2/NA	4	3.15 x 3.27 x 2.19	2	46006-218-01
1492-XIMF-F120-2	85…132V AC	2/NA	4	3.15 x 3.27 x 2.19	2	46006-218-01
1492-XIM24-16RF	20…26V AC	10/12	96	11.5 x 3.27 x 2.78	2	46006-219-01
1492-XIMTR2024-16R, -RXIMTR2024-16R	24 V DC	4	64	4.72 x 3.27 x 2.74	2	46006-257-01
1492-XIMTR4024-32R, -RXIMTR4024-32R	24 V DC	4	128	9.45 x 3.27 x 2.74	2	46006-257-01
1492-XIMTS2024-16R, -RXIMTS2024-16R	24 V DC	.75	12	4.72 x 3.27 x 2.74	2	46006-257-01
1492-XIMTS4024-32R, -RXIMTS4024-32R	24 V DC	.75	24	9.45 x 3.27 x 2.74	2	46006-257-01

❄ Ships with each module. For spare part, precede the part number with the letter "W."

General Wiring System Specifications

	Catalog Number 1492-...
Agency Certifications: Modules and Cables	cULus Listed: Hazardous Locations: Class I Div 2 (all except modules with relays); Groups A, B, D, and D. Temperature Code: T3C @ 60 °C. Standard UL File No. E10314, Guide No. NRAG/NRAG7
	cULus Standard Locations; Module with relays; UL File No. E11372, Guide No. NRAQ/NRAQ7
Agency Certification Modules	Factory Mutual (FM): Hazardous Locations; Class I Div 2 (all except modules with relays): Groups A, B, C, and D. Temperature Rating: T3C @ 60 °C. FM File J.I.3000590
CE Certifications	Compliant for all applicable directives
Maximum Peak Transient Voltage	600V ‡
Maximum Current (per circuit)	2 A (except relays) §
Maximum Current (per module)	12 A (except relays) ➢§
Terminal Block Wire Range (Rated Cross Section) ✶	Fixed Screw Style: #12…#22 AWG (4.0...0.2 mm^2) Removable Screw Style: #12 to #22 AWG 2.5...0.5 mm^2) Removable Push-in Style: #12 to #26 AWG (2.5...0.2mm^2)
Wire Strip Length	Fixed Screw Style:.32 in. (8.0 mm) Removable Screw Style:.28 in. (7.0 mm) Removable Push-in Style:.39 in. (10.0 mm)
Recommended Terminal Block Screw Tightening Torque	Fixed Screw Style: 3.5…4.5 lb-in. (0.38…0.50 Nm) Removable Screw Style: 3.5…4.5 lb-in. (0.38…0.50 Nm) Removable Push-in Style: NA (See Push-in RTB Plug Specifications)
Operating Temperature Range	0...+60 °C
Storage Temperature Cables	-20...+80 °C
Storage Temperature Modules	-40...+85 °C
Operating Humidity	5…95% non-condensing
Pollution Degree	2❄

Max. AWG	#22	#20	#18	#16	#14	#12
Max. No. of Wires per Terminal ✶	3	3	3	2	1	1

➢ Cat. Nos. 1492-IFM40F-F24AD-4 and 1492-IFM40F-F24D-2 are rated at 8 A.
✶ Maximum number of the same gauge stranded copper conductors allowed per wire funnel.
❄ Pollution Degree 2 is an environment where normally only non-conductive pollution occurs, except for occasional temporary conductivity caused by condensation shall be expected.
‡ For transients >600V, use UL Recognized suppression device rated at 2.5 kV withstand.
§ For relay contact ratings, refer to page 9-42.

Bulletin 1492 I/O Wiring Conversion System Bulletin 1771 to ControlLogix 1756

I/O Conversion Modules provide a fast and efficient method for converting Bul. 1771 I/O to Bul. 1756 I/O. The I/O conversion is accomplished without removing any field wires from the existing Bul. 1771 Swing Arm, virtually eliminating the risk of wiring errors. The existing Bul. 1771 Swing Arms fit directly onto the edge connector of the Bul. 1492 Conversion Modules.

The Bulletin 1492 Cables are pre-wired and have a connector for the Bul. 1492 Conversion Module on one end and a Bul. 1756 RTB (Removable Terminal Block) on the other end. The I/O signals are routed through the Bul. 1492 Conversion Module and the Bul. 1492 Cable to the appropriate terminals on the Bul. 1756 I/O module.

The I/O Conversion System includes:

- Conversion Modules (Ex: Cat No: 1492-CM1771-LD001)
- Cables (Ex: Cat No: 1492-CONACAB005X)
- Conversion Mounting Assembly (Ex: Cat No: 1492-MUA4-A13-A17)

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* See publication 1492-SG121* for wiring diagrams and approximate dimensions.

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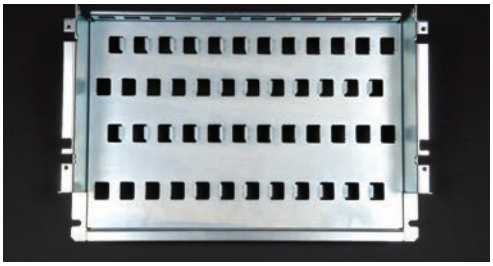
Conversion Modules and Cables

The Bulletin 1492 I/O Wiring Conversion System virtually eliminates the time and risk associated with the normal “rip and replace” rewiring process by using Conversion Modules instead. The Conversion Modules provide the mating connections (edge connectors) to the specific 1771 I/O Swing Arms. This allows the field wires to remain attached to the 1771 Swing Arm, eliminating the time and risk normally associated with converting from one I/O system to another. The I/O signals are routed through to a connector on the 1492 Conversion Module and through the 1492 pre-wired Cable to the appropriate terminals on the 1756 I/O module via the 1756 RTB (Removable Terminal Block) on the other end of the 1492 pre-wired Cable.

Conversion Modules

Pre-wired 1492 Cables

Conversion Mounting Assembly



Conversion Mounting Assembly (Base Plate)

Coversion Mounting Assembly (Cover Plate)

The Conversion Modules are housed in a Conversion Mounting Assembly Base Plate. This Base Plate has the same mounting footprint and mounting holes as the 1771 chassis that it replaces. This eliminates the need to drill and tap new mounting holes in the control cabinet.

The Conversion Mounting Assembly Cover Plate covers and protects the Conversion Modules while providing a place to mount the new 1756 chassis. The Cover Plate has pre-drilled and tapped mounting holes allowing the new 1756 chassis to be mounted in several locations – centered, right-justified or left-justified. This eliminates the need to drill and tap new mounting holes in the control cabinet.

Bulletin 1492 Conversion Mounting Assembly

The Bulletin 1492 Conversion Modules must be installed in a Bulletin 1492 Conversion Mounting Assembly (see Table 1 below). A complete System Installation Manual ships with the Bulletin 1492 Conversion Mounting Assembly.

Step 1: Determine the quantity of each type of Bul. 1771 I/O modules used in the Bul. 1771 I/O chassis to be converted
Step 2: Select the applicable Bul. 1492 conversion modules from Table 2, Section III
Step 3: Review the Max Slots for I/O and Chassis Width data from the Table 1 below
Step 4: Select a Bul. 1756 I/O chassis which has enough I/O slots
NOTE: (2) I/O slots are required in the Bul. 1756 chassis for conversions where (1) Bul. 1771 I/O module converts to (2)Bul. 1756 I/O modules
Step 5: Select the Bul. 1492 conversion mounting assembly which has enough conversion module slots.
NOTE: (2) conversion module slots are required in the Bul. 1492 conversion mounting assembly for conversions where (2) Bul. 1771 I/O module convert to (1) Bul. 1756 I/O modules.
Step 6: The combined depth of the Bul. 1492 conversion mounting assembly with the Bul. 1756 chassis mounted on top is 10.25 inches (controller w/key) or 10.0 inches (controller w/o key).
Step 7: Dimension drawings are included in the System Installation Manual that ships with the 1492 Conversion Mounting Assembly.

Bulletin 1771 Chassis				Bulletin 1756 Chassis			Bulletin 1492 Conversion Mounting Assembly		
Cat. No.	Max Slots for I/O	Chassis Width❄ in. (mm) Without Power Supply	Chassis Width❄ in. (mm) With Power Supply	Cat. No.	Max Slots for I/O	Chassis Width in. (mm)	Cat. No.	Max Slots for Conversion Modules	Chasis Width in. (mm)
1771-A1B	4	9.01 (229)	12.61 (320)	1756-A4	3	10.35 (263)	1492-MUA1B-A4-A7	4	9.01 (229)
				1756-A7	6	14.49 (368)			
1771-A2B	8	14.01 (356)	17.61 (447)	1756-A7	6	14.49 (368)	1492-MUA2B-A7-A10	8	14.01 (356)
				1756-A10	9	19.02 (483)			
1771-A3B1 ✶	12	19.01 (483)		1756-A10	9	19.02 (483)	1492-MUA3-A10-A13	12	19.01 (483)
				1756-A13	12	23.15 (588)			
1771-A4B	16	24.01 (610)		1756-A13	12	23.15 (588)	1492-MUA4-A13-A17	16	24.01 (610)
				1756-A17	16	29.06 (738)			

✶ 1771-A3B is not listed as it is used for 19 inch wide instrumentation panels.

❄ Notice that the 1756 Chassis Width sometimes exceeds the 1771 Chassis Width, with or without the Power Supply. The Cover-Plate of the 1492 Conversion Mounting Assembly allows the 1756 Chassis to be Left justified, Right justified or Centered. A complete System Installation Manual ships with the 1492 Conversion Mounting Assembly.

Table 2A - Digital Inputs

Step 1: In Column 1, find the Cat. No. of the Bulletin 1771 Digital I/O module.

Step 2: In column 2, find the Cat. No. of the compatible Bulletin 1756 Digital I/O module. In some cases more than one module exists. Review the matrix carefully and review the I/O module installation manuals to determine full compatibility.

Step 3: In column 3, find the Cat. No. of the Bulletin 1492 Conversion Module.

Step 4: In column 4, find the Cat. No. of the Bulletin 1492 Cable.

1		2		3		4		
				Bulletin 1492 Conversion Module		Bulletin 1492 Cable ∗		
Bulletin 1771 Digital I/O Module ➢	Qty.	Bulletin 1756 Digital I/O Module ➢	Qty.	Cat. No.	Order Qty.	Cat. No.		Order Qty.
1771-IA	2	1756-IA16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IA	2	1756-IA16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IAD	1	1756-IA16	1	1492-CM1771-LD001	1	1492-CONCAB005X		1
1771-IAD	1	1756-IH16I	1	1492-CM1771-LD002	1	1492-CONCAB005Y		1
1771-IAN	1	1756-IA32	1	1492-CM1771-LD003	1	1492-CONCAB005Z		1
1771-IB	2	1756-IB16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IBD	1	1756-IB16	1	1492-CM1771-LD001	1	1492-CONCAB005X		1
1771-IBN	1	1756-IB32	1	1492-CM1771-LD003	1	1492-CONCAB005Z		1
1771-IC	2	1756-IC16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-ICD	1	1756-IC16	1	1492-CM1771-LD001	1	1492-CONCAB005X		1
1771-ID	2	1756-IA16I	1	1492-CM1771-LD007	2	1492-C005005XL		1
1771-ID01	2	1756-IM16I	1	1492-CM1771-LD003	2	1492-C005005XL		1
1771-ID16	1	1756-IA16I	1	1492-CM1771-LD004	1	1492-CONCAB005Y		1
1771-ID16	1	1756-IH16I	1	1492-CM1771-LD004	1	1492-CONCAB005Y		1
1771-IG	2	1756-IG16	1	⌘ 1492-CM1771-LA003	2	1492-C005005XS		1
1771-IGD	1	1756-IG16	1	1492-CM1771-LD006	1	1492-CONCAB005X		1
1771-IH	2	1756-IC16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IM	2	1756-IM16I	1	1492-CM1771-LD007	2	1492-C005005XH		1
1771-IMD	1	1756-IM16I	1	1492-CM1771-LD002	1	1492-CONCAB005Y		1
1771-IN	2	1756-IN16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IND	1	1756-IN16	1	1492-CM1771-LD001	1	1492-CONCAB005X		1
1771-IND1	1	1756-IN16	1	1492-CM1771-LD001	1	1492-CONCAB005X		1
1771-IQ	2	1756-IB16I	1	1492-CM1771-LD007	2	Sink	1492-C005005XK	1
1771-IQ	2	1756-IB16I	1	1492-CM1771-LD014	2	Source	1492-C005005XJ	1
1771-IQ16	1	1756-IB16I	1	1492-CM1771-LD004	1	1492-CONCAB005Y		1
1771-IT	2	1756-IB16	1	1492-CM1771-LD007	2	1492-C005005XE		1
1771-IV	2	1756-IV16	1	1492-CM1771-LD014	2	1492-C005005XG		1
1771-IVN	1	1756-IV32	1	1492-CM1771-LD005	1	1492-CONCAB005Z		1

∗ The 005 in the Cat. No. indicates cable length of the Bulletin 1492 cable. The recommended length of 0.5 M is listed, additional lengths are listed below.
1.0M Cable = 1492-CONCAB010_
1.0M/1.0M Cable= 1492-C010010X_
0.5M/1.0M Cable = 1492-C005010X_
1.0M/0.5M Cable = 1492-C010005X_

➢ To understand any issues concerning I/O module compatibility refer to the conversion module wiring diagrams and the Installation Manuals for the specific I/O modules involved (with particular attention to the specification and wiring instructions).

⌘ These 1771 Digital I/O Modules use a Swing Arm that only mounts to these Analog I/O Conversion Modules, which will therefore be used to provide for these 1771 Digital I/O conversions.

Table 2B - Digital Outputs

Step 1: In Column 1, find the Cat. No. of the Bulletin 1771 Digital I/O module.

Step 2: In column 2, find the Cat. No. of the compatible Bulletin 1756 Digital I/O module. In some cases more than one module exists. Review the matrix carefully and review the I/O module installation manuals to determine full compatibility.

Step 3: In column 3, find the Cat. No. of the Bulletin 1492 Conversion Module.

Step 4: In column 4, find the Cat. No. of the Bulletin 1492 Cable.

1		2		3		4	
Bulletin 1771 Digital I/O Module ➢		Bulletin 1756 Digital I/O Module ➢		Bulletin 1492 Conversion Module		Bulletin 1492 Cable ✶	
Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Order Qty.	Cat. No.	Order Qty.
1771-OA	1	1756-OA8E	1	1492-CM1771-LD014	1	1492-CONCAB005U	1
1771-OAD	1	1756-OA16	1	1492-CM1771-LD006	1	1492-CONCAB005X	1
1771-OAN	1	§ 1756-OA16	2	1492-CM1771-LD013	1	1492-CONCAB005S3	1
1771-OB	2	1756-OB16D	1	1492-CM1771-LD014	2	1492-C005005XF	1
1771-OBD	1	1756-OB16E	1	1492-CM1771-LD006	1	1492-CONCAB005X	1
1771-OBD	1	§ 1756-OC8	2	♣ 1492-CM1771-LD008F	1	1492-CONCAB005S1	1
1771-OBDS	1	1756-OB16E	1	1492-CM1771-LD006	1	1492-CONCAB005X	1
1771-OBN	1	1756-OB32	1	♣ 1492-CM1771-LD009F	1	1492-CONCAB005Z	1
1771-OC	1	1756-OC8	1	1492-CM1771-LD014	1	1492-CONCAB005V	1
1771-OD	2	1756-OA16I	1	1492-CM1771-LD012	2	1492-C005005XM	1
1771-OD16	1	1756-OA16I	1	♣ 1492-CM1771-LD010F	1	1492-CONCAB005Y	1
1771-ODD	1	1756-OA16I	1	♣ 1492-CM1771-LD010F	1	1492-CONCAB005Y	1
1771-ODZ	2	1756-OA16I	1	1492-CM1771-LD012	2	1492-C005005XP	1
1771-OG	2	1756-OG16	1	⌘ 1492-CM1771-LA003	1	1492-C005005XS	1
1771-OGD	1	1756-OG16	1	1492-CM1771-LD006	1	1492-CONCAB005X	1
1771-OM	2	1756-OA16	1	1492-CM1771-LD014	2	1492-C005005XG	1
1771-OMD	1	1756-OA16	1	1492-CM1771-LD006	1	1492-CONCAB005X	1
1771-ON	1	1756-ON8	1	1492-CM1771-LD014	1	1492-CONCAB005W	1
1771-OND	1	§ 1756-ON8	2	1492-CM1771-LD006	1	1492-CONCAB005S2	1
1771-OQ	2	1756-OB16I	1	⌘ 1492-CM1771-LA004	1	1492-C005005XT	1
1771-OQ16	1	1756-OB16I	1	♣ 1492-CM1771-LD010F	1	1492-CONCAB005Y	1
1771-OR	2	1756-OA16I	1	1492-CM1771-LD012	2	1492-C005005XR	1
1771-OVN	1	§ 1756-OV16E	2	1492-CM1771-LD013	1	1492-CONCAB005S3	1
1771-OW	1	1756-OX8I	1	1492-CM1771-LD012	1	1492-CONCAB005Y	1
1771-OW16	1	1756-OW16I	1	1492-CM1771-LD011	1	1492-CONCAB005Y	1
1771-OWNA	1	§ 1756-OW16I	2	1492-CM1771-LD013	1	1492-CONCAB005S4	1
1771-OY	1	1756-OX8I	1	1492-CM1771-LD012	1	1492-CONCAB005Y	1
1771-OYL	1	1756-OX8I	1	1492-CM1771-LD012	1	1492-CONCAB005Y	1
1771-OZ	1	1756-OX8I	1	1492-CM1771-LD012	1	1492-CONCAB005Y	1
1771-OZL	1	1756-OX8I	1	1492-CM1771-LD012	1	1492-CONCAB005Y	1

✶ The 005 in the Cat. No. indicates cable length of the Bulletin 1492 cable. The recommended length of 0.5 M is listed, additional lengths are listed below.
1.0M Cable = 1492-CONCAB010_
1.0M/1.0M Cable= 1492-C010010X_
0.5M/1.0M Cable = 1492-C005010X_
1.0M/0.5M Cable = 1492-C010005X_

§ The two 1756 modules must be located directly next to each other in the 1756 chassis.

♣ The "F" at the end of the 1492 I/O Conversion Module Catalog Number indicates it is fused to match the functionality of the 1771 module being replaced.

➢ To understand any issues concerning I/O module compatibility refer to the conversion module wiring diagrams and the Installation Manuals for the specific I/O modules involved (with particular attention to the specification and wiring instructions).

⌘ These 1771 Digital I/O Modules use a Swing Arm that only mounts to these Analog I/O Conversion Modules, which will therefore be used to provide for these 1771 Digital I/O conversions.

Table 3 - Analog Inputs and Outputs

Step 1: In Column 1, find the Cat. No. of the Bulletin 1771 Analog I/O module.

Step 2: In column 2, find the Cat. No. of the compatible Bulletin 1756 Analog I/O module. In some cases more than one module exists. Review the matrix carefully and review the I/O module installation manuals to determine full compatibility.

Step 3: In column 3, find the Cat. No. of the Bulletin 1492 Conversion Module.

Step 4: In column 4, find the Cat. No. of the Bulletin 1492 Cable.

1		2			3		4	
Bulletin 1771 Analog I/O Module∗		Bulletin 1756 Analog I/O Module∗			Bulletin 1492 Conversion Module		Bulletin 1492 Cable ❄	
Cat. No.	Qty.	Cat. No.	Description	Qty.	Cat. No.	Order Qty.	Cat. No.	Order Qty.
1771-IFE	1	1756-IF16	Diff Current	1	1492-CM1771-LA002	1	1492-CONACAB005D	1
			Diff Voltage	1	1492-CM1771-LA002	1	1492-CONACAB005C	1
			Sgl End Current	1	1492-CM1771-LA001	1	1492-CONACAB005B	1
			Sgl End Voltage	1	1492-CM1771-LA001	1	1492-CONACAB005A	1
1771-IFF	1	1756-IF16	Diff Current	1	1492-CM1771-LA002	1	1492-CONACAB005D	1
			Diff Voltage	1	1492-CM1771-LA002	1	1492-CONACAB005C	1
			Sgl End Current	1	1492-CM1771-LA001	1	1492-CONACAB005B	1
			Sgl End Voltage	1	1492-CM1771-LA001	1	1492-CONACAB005A	1
1771-IL (8-ch)	1	1756-IF6I (6-ch)	Current	1	1492-CM1771-LA004	1	1492-CONACAB005K	1
			Voltage	1	1492-CM1771-LA004	1	1492-CONACAB005L	1
		1756-IF6I (2 x 4ch)	Current	2	1492-CM1771-LA004	1	1492-CONACAB005T1	1
			Voltage	2	1492-CM1771-LA004	1	1492-CONACAB005T2	1
1771-IR	1	1756-IR6I	—	1	1492-CM1771-LA004	1	1492-CONACAB005F	1
1771-IXE	1	1756-IT6I2	—	1	1492-CM1771-LA005	1	1492-CONACAB005G	1
1771-IXHR	1	1756-IT6I2	—	1	1492-CM1771-LA005	1	1492-CONACAB005G	1
1771-OFE1	1	1756-OF6VI	—	1	1492-CM1771-LA003	1	1492-CONACAB005E	1
1771-OFE2	1	1756-OF6CI	—	1	1492-CM1771-LA003	1	1492-CONACAB005E	1

∗ To understand any issues concerning I/O module compatibility refer to the conversion module wiring diagrams and the Installation Manuals for the specific I/O modules involved (with particular attention to the specification and wiring instructions).

❄ The 005 in the Cat. No. indicates cable length of the Bulletin 1492 cable. The recommended length of 0.5 M is listed, additional lengths are listed below.
1.0M Cable = Cat. No. 1492-CONCAB010_

Bulletin 1771-N High Resolution Isolated Analog I/O Modules

The Bulletin 1771-N High Resolution Analog I/O modules were designed to be used with Bulletin 1771-RTPs (Remote Termination Panels) and connected by a 6ft or 15ft cable (Cat. No. 1771-NC6 or 1771-NC15).

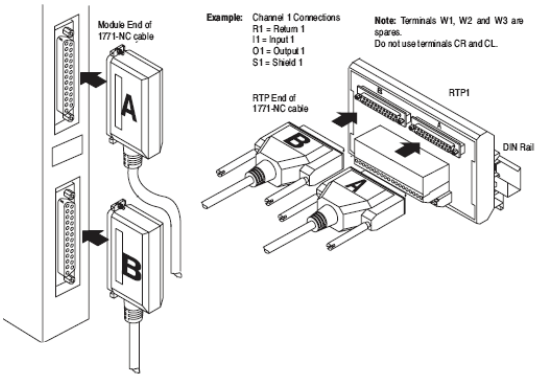
The conversion of the Bul. 1771-N Series I/O to a Bul. 1756 ControlLogix I/O can be accomplished without the removal of any field wires from the existing Bul. 1771-RTPs. Simply replace the (2) existing Bul. 1771 cables with (2) of the following Bul. 1492 cables in the tables below.

Each of these new Bul. 1492 cables has a connector on one end that attaches directly to the existing Bul. 1771-RTP and a Bul. 1756 RTB (Removable Terminal Block) on the other end for connection to the Bul. 1756 ControlLogix I/O module.

Step 1: In Column 1, find the Cat. No. of the Bul.1771 Digital I/O module.

Step 2: In column 2, find the Cat. No. of the compatible Bul.1756 Digital I/O module. In some cases more than one module is required. Review the matrix carefully and review the I/O module installation manuals to determine full compatibility.

Step 3: In column 3, find the Cat. No(s). and descriptions of the Bul. 1492 Cables required.



Please Note: These conversions do not require the use of the conversion mounting assemblies or conversion modules.

Table 4 - Conversion Cables for Bulletin 1771-N Series I/O

1			2		3			
Bulletin 1771 Analog I/O Module∗			Bulletin 1756 Analog I/O Module∗		Bulletin 1492 Cable §♣			
	Cat. No.	Qty.	Cat. No.	Qty.	Description	Cat. No.	Replaces Cables	Order Qty.
	1771-NOC	1	1756-OF6CI	2	Current, Isolated	1492-CONACAB020N1	A and B	2
❄	1771-NOC	1	1756-OF8	1	Current, Non-Isolated	1492-CONACAB020N8	A and B	1
	1771-NIS	1	1756-IF6CIS	2	Current	1492-CONACAB020N2	A and B	2
‡	1771-NIV	1	1756-IF6I	2	Current	1492-CONACAB020N3	A and B	2
			1756-IF6I	2	Voltage	1492-CONACAB020N7	A and B	2
			1756-IF6I	2	Current	1492-CONACAB020N3	A or B	1
					Voltage	1492-CONACAB020N7	A or B	1
	1771-NR	1	1756-IR6I	2	RTD	1492-CONACAB020N4	A and B	2
	1771-NT1	1	1756-IT6I	2	Thermocouple	1492-CONACAB020N5	A and B	2
	1771-NOV	1	1756-OF6VI	2	Voltage	1492-CONACAB020N1	A and B	2
	1771-NIV1	1	1756-IF6I	2	Voltage	1492-CONACAB020N7	A and B	2
	1771-NT2	1	1756-IT6I2	2	Thermocouple	1492-CONACAB020N6	A and B	2

∗ To understand any issues concerning I/O module compatibility refer to the Installation Manuals for the specific I/O modules involved.
❄ Cat. No. 1492-CONACAB020N8 has (2) connectors on one end for the RTP, so only (1) Cable is required.
‡ Three conversions are possible using these two cables - (8 Voltage) or (8 Current) or (4 Voltage & 4 Current)
§ These catalog numbers are for a 2.0M cable length. A 5.0M cable is also available. Change the 3 numerals in the middle of the catalog number from "020" to "050" (Example: Cat. No. 1492-CONACAB020N1 becomes Cat. No.1492-CONACAB050N1).
♣ Only 2 cables can be used at one time. Each cable attaches to 1 of the 2 connectors on the existing RTP module. Each cable converts 4 of the Bul. 1771 channels to 4 of the 1756 channels. The other end of the cable attaches to 1 of the 2 new Bul. 1756 modules.

Table 5- Conversion Cables for Bulletin 1771-N Series I/O Combination Modules

1			2		3			
Bulletin 1771 Analog I/O Module∗			Bulletin 1756 Analog I/O Module∗		Bulletin 1492 Cables§♣			
	Cat. No.	Qty.	Cat. No.	Qty.	Description	Cat. No.	Replaces Cable	Order Qty.
➢	1771-NIVR	1	1756-IR6I	1	RTD	1492-CONACAB020N4	B	1
			1756-IF6I	1	Voltage	1492-CONACAB020N7	A	1
➢	1771-NIVR	1	1756-IR6I	1	RTD	1492-CONACAB020N4	B	1
			1756-IF6I	1	Current	1492-CONACAB020N3	A	1
⌘	1771-NIVT	1	1756-IT6I	1	Thermocouple	1492-CONACAB020N5	B	1
			1756-IF6I	1	Voltage	1492-CONACAB020N7	A	1
⌘	1771-NIVT	1	1756-IT6I	1	Thermocouple	1492-CONACAB020N5	B	1
			1756-IF6I	1	Current	1492-CONACAB020N3	A	1

∗ To understand any issues concerning I/O module compatibility refer to the Installation Manuals for the specific I/O modules involved.
➢ Two conversions are possible using these two cables - (4 Voltage & 4 RTD) or (4 Current & 4 RTD)
⌘ Two conversions are possible using these two cables - (4 Voltage & 4 Thermocouple) or (4 Current & 4 Thermocouple)
§ These catalog numbers are for a 2.0M cable length. A 5.0M cable is also available. Change the 3 numerals in the middle of the catalog number from "020" to "050" (Example: Cat. No. 1492-CONACAB020N1 becomes Cat. No. 1492-CONACAB050N1).
♣ Only 2 cables can be used at one time. Each cable attaches to 1 of the 2 connectors on the existing RTP module. Each cable converts 4 of the Bul. 1771 channels to 4 of the 1756 channels. The other end of the cable attaches to 1 of the 2 new Bul. 1756 modules.

Conversion Module Specifications

Specifications ∗		Value
Dimensions (H x D x W)		300 x 111.25 x 38.1 mm (11.81 x 4.38 x 1.5 in.)
Approximate Shipping Weight (module dependant, refer to installation manual)		260g (0.57 lb)
Storage Temperature		-40...+85 °C (-40...+185 °F)
Operating Temperature		0...+60 °C (+32...+140 °F)
Operating Humidity		5...95% at +55 °C (+131 °F)
Shock	Non-operating	50 g
	Operating	30 g
Operational Vibration		2 g at 10...500 Hz
Agency Certifications		UL Classified (UL File No. E113724)
CE Certifications		Compliant for all applicable directives
Pollution Degree		2
Environmental Rating		IP20

∗ Operating specifications are when installed in the conversion system base and cover plate assembly.

Bulletin 1492 I/O Wiring Conversion System - Modicon 800 to ControlLogix 1756

The Bulletin 1492 Modicon 800 to ControlLogix 1756 I/O wiring conversion system provides a fast and efficient way to convert the existing I/O field wires from a Modicon 800 I/O system to a ControlLogix 1756 I/O system.

The Bulletin 1492 conversion system enables the field wiring on a particular 800 I/O module terminal block (swing-arm) to be maintained, so there is no or very limited rewiring required to convert to a compatible 1756 I/O module.

Conversion solutions are available for 20 of the most widely used Modicon I/O modules.

Table of Contents

❄See publication 1492-SG120* for wiring diagrams and approximate dimensions.

Time Saving Features

The time to convert for example the field wiring for a Modicon 8-slot I/O housing/rack without the conversion system can typically be between seven to nine hours.*

This includes time to:

- Unscrew and remove each I/O wire from each I/O module terminal block
- Remove the old I/O housing/rack from the control cabinet
- Drill new holes in the control cabinet for the new I/O rack
- Mount the new I/O rack
- Install the new I/O modules in the new I/O rack
- Re-dress each I/O wire for each module
- Re-label each I/O wire
- Attach each wire to the I/O module terminal block
- Confirm operation: Once the conversion of field wires is complete the integrity of each connection has to be verified to ensure a wiring error has not occurred. This troubleshooting process may add 30 minutes or several hours to the conversion. The conversion system potentially reduces the 7 to 10 hours required to convert the field wiring for an 8-slot I/O housing/rack to one hour or less. In many applications, saving 6 to 8 hours of downtime can eliminate tens to hundreds of thousands of dollars of revenue. Multiply that savings by the number of 8-slot housings in your factory and you can see the benefit of the I/O conversion system.

* Estimate using all 16 pt. I/O modules and typical assembly times. Time with conversion system approximately one hour.

Bulletin 1492 Conversion System Basics

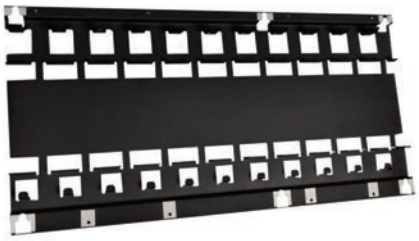
Conversion Modules and Cables

The Bulletin 1492 conversion system virtually eliminates the rewiring process by using conversion modules. The conversion modules provide the mating connections to the specific Modicon 800 I/O terminal block with the attached field wires. It routes those field signals, via a standard Bulletin 1492 wiring system connector and a Bulletin 1492 pre-wired cable to the compatible terminals of the Bulletin 1756 I/O module.

Conversion Modules

Pre-wired 1492 Cables

Conversion Assembly Base Plate



The conversion modules are housed in a conversion assembly base plate which uses the same mounting footprint and panel mounting holes as the Modicon 800 I/O Housing it replaces. Therefore, no new holes need be drilled in the control cabinet.

Conversion Assembly Cover Plate

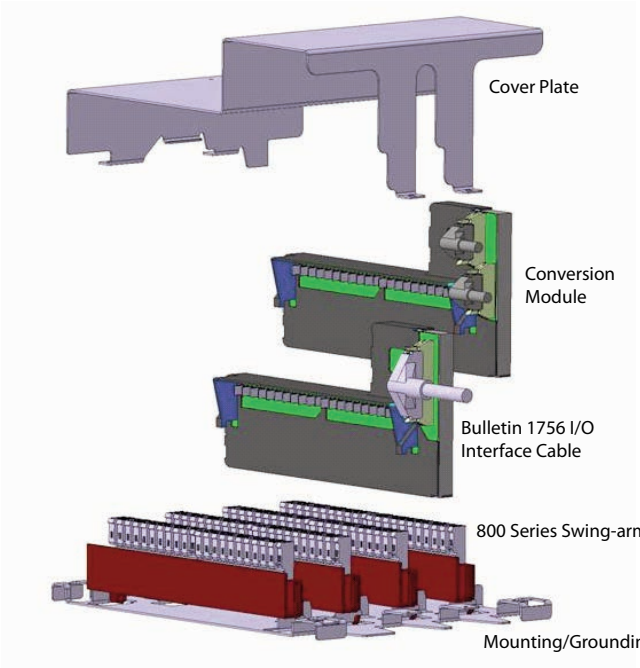
The conversion assembly cover plate covers and protects the conversion modules, while providing the mounting platform for the Bulletin 1756 I/O chassis and associated I/O modules.

NOTE: The total depth of the conversion assembly and mounted Bulletin 1756 chassis is less than the original Modicon 800 I/O housing.

Conversion of the 800 I/O Housing

The following table provides selection information for the conversion assembly base-plate and cover-plate. The selection process is based on the previously installed Modicon 800 I/O housing. These components function as a matched set and therefore ship as a single catalog number.

Conversion Systems Components



Modicon 800 Housing to Bulletin 1756 Chassis Conversion System Selection Process

Step 1: Determine the catalog type and number of Modicon 800 I/O modules used in the Modicon 800 I/O Housing to be converted to Bulletin 1756 I/O.

Step 2: Refer to Column 1 — Find the **Modicon 800 I/O Housing** catalog number

Step 3: Refer to Column 5 — Review and select a Bulletin **1756 I/O Chassis** catalog number from column 4 which meets your conversion needs.

Note: Ensure the information from the I/O Conversion module (tables two and three) is reviewed first since in some cases, two Bulletin 1756 modules are needed to replace one 800 I/O module.

Step 4: Refer to Column 7— Select the **Conversion Assembly** Cat. No.

Table 1: Modicon 800 Housing to Bulletin 1756 Chassis Conversion

1	2	3	4	5	6	7
						Bulletin 1492 Conversion Assembly
Modicon 800 I/O Housing	Max Number of Modicon 800 Housing Slots for I/O	Modicon 800 Housing Width Dimension	Bulletin 1756 I/O Chassis	Max Number of Bulletin 1756 Chassis Slots for I/O∗	Bulletin 1756 Chassis Width Dimension‡§	Cat. No.
AS-H810-xxx	3	10.25"	1756-A4	3	10.35"	**1492-MUA4-MB3**
AS-H819-103	4	17.5"	1756-A7 or 1756-A10	A7=6, A10=9	A7=14.49" A10=19.02"§	**1492-MUA7-A10-MB4679➢**
AS-H819-209	6	17.5"		A7=6, A10=9		
AS-H819-100	7	17.5"		A7=6, A10=9		
AS-H827-103	8	27.1"	1756-A10 or 1756-A13	A10=9, A13=12	A10=19.02" A13=23.15"	**1492-MUA10-A13-MB81011➢**
AS-H827-209	10	27.1"		A10=9, A13=12		
AS-H827-100	11	27.1"		A10=9, A13=12		

∗ One chassis slot required for the ControlLogix processor or a remote I/O adapter type module
❄ The footprint and mounting dimensions of the Bulletin 1492 conversion assembly (base plate and cover plate) match those of the Modicon I/O housing
‡ Width dimension includes the Bulletin 1756 chassis power supply
§ Surplus chassis width as compared to the 800 I/O housing divided equally when mounting it on the conversion assembly cover plate
➢ Mounting holes for the Bulletin 1756 I/O chassis are pre-drilled and tapped in the conversion assembly cover plate

Conversion of the Modicon 800 I/O Modules

Tables 2 and 3 provide selection information for the Bulletin 1492 Modicon 800 to 1756 I/O conversion system modules. Use the following steps to select the proper module.

Step 1: Refer to Column 1 — Find the Cat. No(s). of the Modicon 800 Series I/O modules you are currently using.

Step 2: Columns 2, 3, and 4 list the Cat. No. of the compatible Bulletin 1756 I/O module, Bulletin 1492 Conversion module, and Bulletin 1492 cable to connect the conversion module to the Bulletin 1756 I/O module.

Step 3: Review and understand the Bulletin 1756 to Modicon 800 module Application considerations available in publication 1492-SG120*-EN-P

Table 2: Conversion of the I/O Modules - Digital

1	2	3	4
Modicon 800 Digital I/O Module	Bulletin 1756 ControlLogix Digital I/O Replacement Module	Bulletin 1492 I/O Conversion Module	Bulletin 1492 Conversion Cable ∗
		Cat. No.	Cat. No.
AS-B802-008	1756-OA8	**1492-CM800-LD001❄**	1492-CABLE003U
AS-B804-116	1756-OA16	**1492-CM800-LD002**	1492-CABLE003X
AS-B824-016	1756-OB16E	**1492-CM800-LD002**	1492-CABLE003X
AS-B805-016	1756-IA16	**1492-CM800-LD003**	1492-CABLE003X
AS-B853-016	1756-IA16	**1492-CM800-LD003**	1492-CABLE003X
AS-B806-032	1756-OA16‡	1492-CM800-LD004	1492-CABLE003X
AS-B807-132	1756-IA32	1492-CM800-LD005	1492-CABLE003Z
AS-B820-008	1756-OB8	**1492-CM800-LD006❄**	1492-CABLE003U
AS-B820-008	1756-OC8	**1492-CM800-LD006❄**	1492-CABLE003U
AS-B821-108	1756-IB16	**1492-CM800-LD007**	1492-CABLE003X
AS-B821-108	1756-IC16	**1492-CM800-LD007**	1492-CABLE003X
AS-B825-016	1756-IB16	**1492-CM800-LD008**	1492-CABLE003X
AS-B826-032	1756-OB32	**1492-CM800-LD009❄**	1492-CABLE003Z
AS-B827-032	1756-IB32	**1492-CM800-LD010**	1492-CABLE003Z
AS-B838-032	1756-OB32	**1492-CM800-LD011❄**	1492-CABLE003Z
AS-B838-032	1756-OB16E‡	1492-CM800-LD012	1492-CABLE003X
AS-B802-008	1756-OA8E	**1492-CM800-LD013**	1492-CABLE003U
AS-B810-008	1756-OA16I	1492-CM800-LD014❄	1492-CABLE003Y
AS-B814-108	1756-OX8I	**1492-CM800-LD015❄**	1492-CABLE003Y
AS-B840-108	1756-OX8I	**1492-CM800-LD0015❄**	1492-CABLE003Y

Table 3 - Conversion of the I/O Modules - Analog

1	2	3	4
Modicon 800 Analog I/O Module	Bulletin 1756 ControlLogix Analog I/O Replacement Module	Bulletin 1492 I/O Conversion Module	Bulletin 1492 Conversion Cable∗
		Cat. No.	Cat. No.
AS-B875-111	1756-IF16 (Differential Current)	**1492-CM800-LA001**	1492-ACABLE003UD
AS-B875-111	1756-IF16 (Differential Voltage)	**1492-CM800-LA001**	1492-ACABLE003UC
AS-B877-111	1756-IF16 (Single-ended Current)	**1492-CM800-LA002**	1492-ACABLE003UB
AS-B877-111	1756-IF16 (Single-ended Voltage)	**1492-CM800-LA002**	1492-ACABLE003UA
AS-B872-100	1756-OF6CI	**1492-CM800-LA003**	1492-ACABLE003Y
AS-B872-200	1756-OF6VI	1492-CM800-LA004	1492-ACABLE003Y

∗ Recommended cable length of 0.3M is shown. Other cables lengths are available, please see page 12-137 (digital cable) or page 12-140 (analog cable) for more information.

❄ Conversion module is fused to match Modicon output module functionality

‡ Two Bulletin 1756 modules and two Bulletin 1492 cables are required to match Modicon functionality

Conversion Success: Modicon 800 Series I/O to Bulletin 1756 I/O Wiring Conversion System

Up front conversion planning and adequate conversion time budgeting are the key elements to field wire conversion success. The following are several points specific to these elements. There may be other points unique to your application or installation.

Typical keys to field wire conversion success are:

- Study and use Tables 1 - 3, select the correct Bulletin 1492 conversion assemblies, modules and cables specific to your Modicon 800 I/O system. If a 1492 conversion module is not listed in the table on page 12-174, the Bulletin 1756 I/O module needs to be manually converted/re-wired.
- Study and use the wiring diagrams⌘ specific to the Modicon 800 to Bulletin 1756 conversion modules being used. Pay particular attention to the Conversion Module Installation and Application Considerations that apply for each Bulletin 1492 conversion module, especially items such as the PLC output module current load switching differences. In addition, compare the Modicon 800 and Bulletin 1756 I/O module specifications from the respective commercial, installation and/or user documents to ensure any implication of the differences are understood and appropriate system modifications are performed as part of the conversion.
- Order the Bulletin 1492 conversion components—assembly, module, and cables, well in advance (8-12 weeks) of the shutdown scheduled to perform the conversion.
- When the Bulletin 1492 conversion components arrive, inventory and physically inspect them to ensure nothing was damaged during shipment.

Note: It is recommended that several spares of each Bulletin 1492 conversion module and cable be ordered to ensure a damaged component doesn't impact the scheduled date of the conversion due to possible shipment delay of the replacement component. The number of Bulletin 1492 module X spares to order depends on how many of conversion module X is used in the conversion.

- Inspect the existing Modicon 800 I/O module terminal blocks for any possible physical or electrical damage, prior to conversion. Damaged terminal blocks should be replaced during the conversion to ensure reliable mechanical and electrical connection to the Bulletin 1492 conversion modules.
- Fully review and understand the conversion system Installation Instruction manual. If possible, have assigned conversion personnel practice using the Bulletin 1492 conversion hardware, so component assembly confusion is limited during the actual conversion.

Conversion Module Specifications

Specifications ✶		Value
Dimensions (H x D x W)		288.9 x 139.7 x 44.5 mm (11.37 x 5.5 x 1.75 in.)
Approximate Shipping Weight		300g (0.66 lb)
Storage Temperature		-40...+85 °C (-40...+185 °F)
Operating Temperature		0...+55 °C (+32...+131 °F)
Operating Humidity		5...95% at +55 °C (+131 °F)
Shock	Non-operating	50 g
	Operating	30 g
Operational Vibration		2 g at 10...500 Hz
Maximum Operating Voltage	A/C I/O:	125V AC at 47...63 Hz
	D/C I/O:	150V DC
	Analog I/O:	60V DC
Maximum Module Operating Current❄	Per Point	2 A
	Per Module	12 A
Fusing:	1492-CM800-LD001	Two, 4A 5x20 mm
	1492-CM800-LD006	Two, 4A 5x20 mm
	1492-CM800-LD009	Two, 4A 5x20 mm
	1492-CM800-LD011	Two, 4A 5x20 mm
	1492-CM800-LD013	Eight, 1A 5x20 mm
	1492-CM800-LD015	Eight, 2A 5x20 mm
Agency Certifications		UL Classified (UL File No. E113724) CSA
CE Certifications		Compliant for all applicable directives
Pollution Degree		2
Environmental Rating		IP20

✶ Operating specifications are when installed in the conversion system base and cover plate assembly.
❄ 1492-CABLE connection pins are limited to 2 A per pin. Note: Refer to the wiring diagrams for current limits for a specific configuration.

⌘ See publication 1492-SG120*-EN-P for wiring diagrams and approximate dimensions.

Bulletin 931 Analog Signal Conditioners

Analog Signal Conditioners are designed for use with Rockwell Automation I/O systems to provide reduced installation and maintenance costs in process applications. The products are available with two way isolation (between input and output) or three way isolation (between input, output and power).

- Isolation of analog measurement and control signals with 2 way isolation (between input and output) or 3 way isolation (between input, output and power).
- Conversion of analog signals from voltage to current. (i.e. 0...10V to 4...20 mA, etc.)
- Amplification, linearization, and transmission of low level sensor signals (i.e., mV signals from thermocouples, etc.).
- Transmission of analog signals over long distances
- Provides local display using a splitter or remote status indications and alarms via relay contact closures based on the analog signals.

Table of Contents

Bulletin	931-H	931-S	931-U
Type	**High-Density Signal Conditioners**	**Standard Signal Conditioners**	**Universal Signal Conditioners**
Features	• Cost-effective analog signal conditioning in a high-density (6 mm wide) housing	• Provide solutions for a wide variety of analog signals • Available in compact sizes ranging from 12.5 mm to 22.5 mm wide.	• Programmable— allowing the devices to be used on a wide variety of analog signals • Two models are available, one housing is 12.5 mm wide, the other is 45 mm wide
Product Selection by Function Type			
Current/Voltage	**Page 12-180**	**Page 12-180**	**Page 12-206**
RTD	**Page 12-192**	**Page 12-192**	**Page 12-206**
Thermocouple	**Page 12-195**	**Page 12-195**	**Page 12-206**
Line-Monitoring	—	**Page 12-194**	—
Bridge	—	**Page 12-203**	—
Frequency	—	**Page 12-203**	**Page 12-206**
HART	**Page 12-203**	—	—

Typical Applications

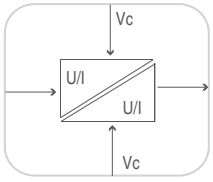
Analog signal conditioners are used wherever temperature, pressure, level, flow, weight, speed, etc. is measured and controlled as part of a continuous or batch production process. Analog signal conditioners help to prevent these measurements from being degraded on their way from the field to the control room by providing protection from external influences or problems that result from the installation methods used. Typical industries include power plants, steel production, water and wastewater plants, oil and gas production, and chemical processing.

Product Range

Rockwell Automation offers a wide range of products to condition analog signals according to industry standards. The Bulletin 931 Analog Signal Conditioners also provide the necessary isolation of the field measurement device from the controller as well as from any external power supplies. Such isolation prevents interference that can occur due to ground loops or common mode noise. The wide range of Allen-Bradley Bulletin 931 Analog Signal Conditioners completely covers the functions involved in analog signal conversion, isolation, and monitoring. The product range addresses nearly all applications in industrial measuring technology and safeguards the elementary functions between field signals and control systems. The products are easily mounted on 35 mm DIN rail and come in standard electronic housings with widths of 6, 12.5, 17.5, 22.5, or 45 mm.

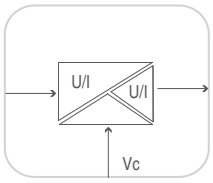
Analog Signal Processing

Analog signals involve the measurement of constantly changing physical operating characteristics which come in many different forms, the most common of which are temperature and pressure. These signals are often found in processes that involve harsh industrial environments or are exposed to the elements. Such environmental conditions can significantly affect the quality of the transmitted signal and are also constantly changing themselves. Additionally, such industrial processes often require that these signals are able to be accurately transmitted over long distances.



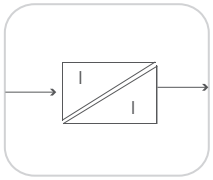
Two-Way Isolation

Analog signal conditioners with 2-way isolation separate the input and output signals from each other electrically and decouple the measuring circuits. Potential differences caused by long line lengths and common reference points are eliminated. The electrical separation also protects against irreparable damage caused by over voltages as well as inductive and capacitive interference.



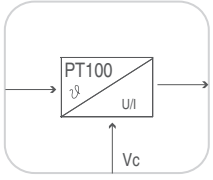
Three-Way Isolation

Analog signal conditioners with three-way isolation separate the supply voltage from the input and output circuits as well and enables the analog circuit to operate with just one operating voltage.



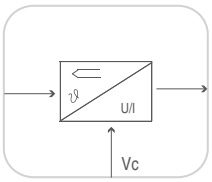
Passive Isolation

Analog signal conditioners with passive isolation offer an additional advantage in that they do not require an additional voltage supply. The power supply to the analog signal conditioner can be provided either by the input or output circuit. This current loop feed is characterized by very low power consumption.



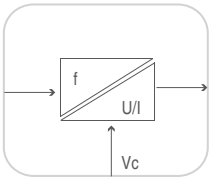
Temperature Measurement
PT100

A number of analog signal conditioners are available for temperature measurements. For example, PT100 signals in 2-, 3- and 4-wire systems are converted into standard 0...20 mA, 4...20 mA and 0...10V signals.



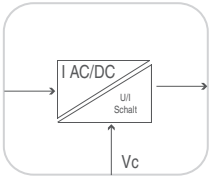
Temperature Measurement
Thermocouples

Analog signal conditioners for connecting conventional thermocouples are fitted with cold trap compensation as standard. These devices amplify and linearize the voltage signal provided by the thermocouple. This guarantees accurate analog signal conditioning while eliminating sources of interference or error.



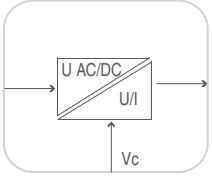
Frequency Conversion

Analog signal conditioners are available to convert frequencies into standard analog signals. Downstream controls can therefore directly process pulse strings for measuring rpm or speed.



Current Monitoring

Analog signal conditioners are available for current monitoring for currents up to 60A AC or DC. These devices cause a switched output to be triggered by currents above or below the set value and may also provide analog outputs for continuous monitoring of the load current.



Voltage Monitoring

Analog signal conditioners are available for voltage monitoring of both AC and DC voltages. Voltage fluctuations due to switching processes or overload conditions can be detected for voltages above or below the user-defined switching threshold.

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Catalog Number Explanation

931	S	–	A1	A1	N	-	IP	N
	a		*b*	*c*	*d*	-	*e*	*f*

a

Code	Description
H	High-density
S	Standard
U	Universal

b

Input Type	
Code	**Description**
Current	
A1	0(4)…20 mA
A2	4…20 mA
A3	0…1 A, 0…5 A or 0…10 A AC
A4	0…20 A, 0…25 A or 0…30 A AC/DC
Bridge	
B1	-500 mV…+500 mV
Voltage or Current	
C1	0…5V or 0…1V DC
	0…20 mA or 4…20 mA
C2	0…10V DC
	0…20 mA or 4...20mA
C3	0…10V DC
	0…22 mA
C4	±20mV...±200V
	±0.1 mA…100 mA
C9	Universal Inputs
Frequency	
F1	2-,3-wire PNP/NPN, namar initiator, push/pull step
Potentiometer	
P1	PT 100/2/3/4-Conductor or Ni 100/2/3/4-Conductor
P2	PT 100/2/3-Conductor
P3	PT 100/2/3/4-Conductor
Thermocouple	
T1	Type J
T2	Type K
T9	Types K,J,T,E,N,R,S,B
Voltage	
V1	24…70V, 70…140V, 140…210V or 210…260V AC/DC

c

Output Type	
Code	**Description**
Current	
A1	0(4)…20 mA
A2	4…20 mA
A5	(2) 4…20 mA
Voltage or Current	
C1	0…5V or 0…1 VDC
	0…20 mA or 4…20 mA
C2	0…10V DC
	0…20 mA or 4...20mA
C3	0…10V DC
	0…22mA
C5	0...±10V
	0…±20 mA
C6	0…5V, 5…0V DC or 10…0V, 0…10V DC
	0…20 mA, 20…0 mA or 4…20 mA, 20…4 mA
C7	0…±10V
	0…±20 mA
R1	3 A relay contact closure digital output

d

Configuration Setting	
Code	**Description**
N	Non-configurable
D	DIP Switch
J	Jumper
C	Computer

e

Power Type	
Code	**Description**
IP	Input Loop Power
OP	Output Loop Power
BC	Aux AC or DC Power
DC	DC Aux Power
MC	from the Measuring Circuit

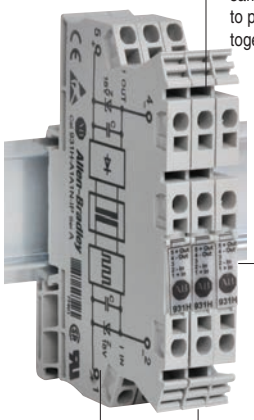
f

Miscellaneous	
Code	**Description**
1	One Channel
2	Two Channels
Hall	Hall Effect Sensor
Hart	Hart Communication Protocol
Cable	Cable
1R	One Relay
2R	Two Relays

Bulletin 931H - High-Density Series

The modules in the High-Density series provide cost-effective analog signal conditioning in a very small package.

- Extreme high-density mounting (6 mm wide modules)
- Provide isolation and conversion solutions for a variety of signals
  - Current
  - Voltage
  - Temperature (thermocouples and RTDs)
- The DIP switches can be accessed from outside the housing
- Capability to jumper incoming power from unit to unit using standard Bulletin 1492 terminal block jumpers on most Bulletin 931H devices
- Wiring diagrams printed on outside of housing for ease of use in commissioning and maintenance activities
- End barrier is required for Cat Nos: 931H-P2A2N-OP and 931H-A1A1N-IP.



Power Connections

Standard Bulletin 1492 jumpers can be used to connect units to the same Bulletin 1606 power supply. These jumpers provide a fast and easy way to provide power to a series of Bulletin 931 analog signal conditioners mounted together on a DIN Rail.

DIP Switch Programmable

The Bulletin 931H products are easily programmable with the DIP switches located on the outside of the housing along with the printed tables of the possible input and output combinations.

High-Density Housing

The Bulletin 931H product line offers a wide range of functionality in the high-density 6mm housing.

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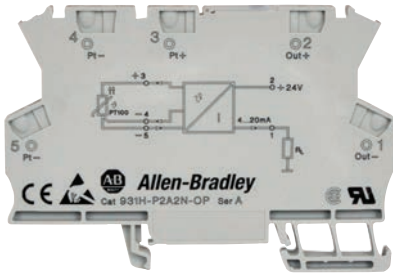
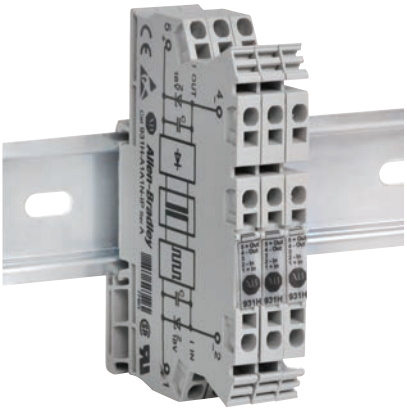
Wiring Diagrams

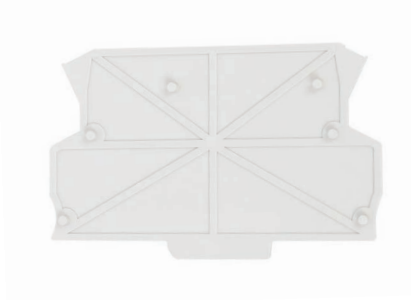
Bulletin 931H products have the wiring diagrams printed on the outside of the housing to reduce complexity during installation and maintenance.



Cat. No. 931H-P2A2N-OP



Cat. No. 931H-A1A1N-1P



End Barrier, Cat. No. 931H-EB1

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Bulletin 931S - Standard Series

The Bulletin 931S Standard Series of analog signal conditioners provide solutions for a wide variety of analog signals. They are available in compact sizes ranging from 12.5... 22.5 mm in width.

- Provide isolation and conversion solutions for a wide variety of signals:
  - Current
  - Voltage
  - Temperature (thermocouples and RTDs)
  - Frequency
  - Load Cells (bridge transducers)
  - Potentiometers
- Removable, plug-in terminal blocks are coded to eliminate wiring errors.
- The printed circuit board can be removed and re-installed without tools providing ease-of-use when accessing the internal DIP switches.
- Capability to jumper incoming power from unit to unit using standard Bulletin 1492 terminal block jumpers on some 931S devices.
- Jumper settings printed on outside of housing for ease-of-use in commissioning and maintenance activities.

Circuit Board Removal

The printed circuit board can be removed without any tools. Once the terminal blocks are removed, simply press in the locking hook at the top and pull out the printed circuit board. This makes accessing the internal DIP switches fast and easy.

Power Connection

Standard Bulletin 1492 jumpers can be used to connect units to the same Bulletin 1606 power supply. These jumpers provide a fast and easy way to provide power to a series of Bulletin 931 analog signal conditioners mounted together on a DIN Rail.

Safe Isolation

"Protective separation" has to be guaranteed as per EN 50178. The Bulletin 931S series omplies with full separation between the analog signal and the incoming power.

Removable Terminal Blocks

Removable terminal blocks are coded for easy removal and replacement without error. They accommodate wire sizes up to 14 AWG (2.5 mm^2).

Standardized Housings

The housings come in 3 standard sizes, 12.5, 17.5, and 22.5 mm. Ventilation slots provide for heat dissipation. Jumper and DIP switch settings are printed on the side of the housing for ease of use in commissioning and maintenance.

Bulletin 931U- Universal Series

The Bulletin 931U Universal Series of analog signal conditioners are programmable, allowing the devices to be used on a wide variety of analog signals. Two models are available, one in a 12.5mm wide housing and one in a 45mm wide housing. Both are programmable using the same software.

- Provide isolation and conversion solutions for a wide variety of signals:
  - Current
  - Voltage
  - Temperature (thermocouples and RTDs)
  - Potentiometers
  - AC and DC current monitoring
- Removable, plug-in terminal blocks are coded to eliminate wiring errors.
- Programmable using the same software, which is bundled with the programming cable - Cat. No. 931U-CABLE.

Bulletin 931U Programming Software

Universal Inputs

The Bulletin 931U products can input a wide range of analog signals (current, voltage, thermocouple, RTD, resistance, frequency, etc).

Software Programmable

The Bulletin 931-U products are programmed using the software and cable included in 931U-CABLE product. The cable connects from the front of the signal conditioner unit to your computer's USB port.

Certifications

Allen-Bradley's Bulletin 931U product line has been certified to global certifications. These products not only have cULus – Class 1, Div. 2, Groups A, B, C, and D ratings, but also the European CE and ATEX markings.

Analog/Digital Outputs

The Bulletin 931U products have the capability to output both analog and digital signals. Using the programming software you can have the unit output a current or voltage signal and also dual digital signals from two CO contacts.

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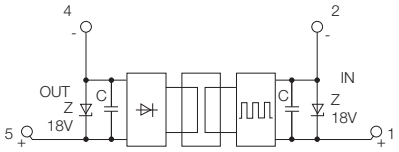
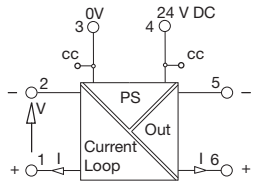
Passive Isolator, 1 Channel

- Passive isolator for electrical isolation of standard 0...20 mA or 4...20 mA signals
- No need for auxiliary power supply
- Low power consumption

	931H-A1A1N-IP	
		
Specifications	***Passive Isolator, 1-Channel***	
Wiring Diagram		
Standards Compliance	UL 508, EN 60079-0:2006, EN60079-15:2005, EN50178:1997, CSA C22.2 No. 142, CSA C22.2 No. 14-95, CSA C22.2 No. 0-M91	
Certifications	CE, CSA, cURus NRAQ2/8.E113724	
Input Ratings		
Current	0(4)...20 mA	
Max Voltage	15V	
Max Current	50 mA	
Pick-up Current	< 100 µA	
Voltage Drop	2.5....3 V at 20 mA	
Output Ratings		
Current	0(4)...20 mA	
Voltage	—	
Load Impedance (voltage/current)	— / ≤ 500 Ω	
Accuracy	< 0.1% of final value	
General Specifications		
Power Type	Input Loop Powered	
Operating Temperature	-25 °C…+60 °C	
Storage Temperature	-40 °C…+85 °C	
Isolation Voltage Input - Output	$500V_{eff}$	
Rated Isolation Voltage	50V	
Connection Type	Tension clamp	
L x W x H (mm)	91 x 6 x 63.2	
Signal Conditioner	**Cat. No.**	Pkg. Quantity
	931H-A1A1N-IP	1
End Barrier (required)	**931H-EB1**	10

Active Isolator, 3-Way

- Two conductor system
- Three port isolation
- Power supply can be cross-connected using center jumpers

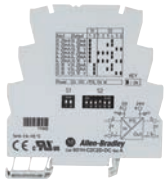
	931H-A2A2N-DC	
		
Specifications	***Active Isolator, 3-Way***	
Wiring Diagram		
Standards Compliance	UL 508, EN 60079-0:2006, EN60079-15:2005, EN50178:1997, CSA C22.2 No. 142, CSA C22.2 No. 14-95, CSA C22.2 No. 0-M91	
Certifications	CE, cURus NMTR2/8.E56639	
Input Ratings		
Current	4...20mA	
Sensor	2-conductor	
Supply Voltage	16.5V / constant for 3…22 mA	
Output Ratings		
Current	4...20 mA	
Load Impedance (voltage/current)	≥ 10 kΩ/ ≤ 500 Ω	
Accuracy	< 0.1 %	
General Specifications		
Supply Voltage	24V DC ± 15%	
Power Consumption	approx. 1 W	
Current Carrying Capacity of Cross Connect	≤ 20 A	
Operating Temperature	0 °C…+55 °C	
Storage Temperature	-25 °C…+85 °C	
Rated Insulation Voltage	300V	
Isolation Voltage Input - Output	$1.5kV_{eff}$	
Connection Type	Screw	
L x W x H (mm)	88 x 6.1 x 97.8	
Signal Conditioner	**Cat. No.**	Pkg. Quantity
	931H-A2A2N-DC	1

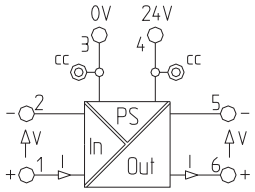
12

Active Converter, 3-Way

- Three way isolation
- Calibrated change over via DIP switch
- Power supply can be cross-connected using plug-in jumpers
- Low power loss

931H-C2C2D-DC



Specifications	*Active Converter, 3 Way*
Wiring Diagram	
Standards Compliance	UL 508, EN 60079-0:2006, EN60079-15:2005, EN50178:1997, CSA C22.2 No. 142, CSA C22.2 No. 14-95, CSA C22.2 No. 0-M91
Certifications	CE, cURus NMTR2/8.E56639
Input Ratings	
Voltage	0...10V
Max. Voltage	30V
Current	0...20 mA / 4...20 mA
Max. Current	< 100 mA
Input Resistance (voltage/current)	100 kΩ / ≤ 5 Ω
Voltage Drop	< 0.1V at I_{IN} =20 mA (current input)
Output Ratings	
Voltage	0...10V
Current	0...20 mA / 4...20 mA
Load Impedance (voltage/current)	≥ 10 kΩ / ≤ 500 Ω
Accuracy	< 0.5% of final value
General Specifications	
Supply Voltage	24V DC ± 15%
Power Consumption	approx. 0.6 W
Current Carrying Capacity of Cross Connect	≤ 20 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-25 °C…+85 °C
Default Settings	0…20 mA / 0…20 mA
Rated Insulation Voltage	50V
Isolation Voltage Input - Output	$500V_{eff}$ / 1 s
Connection Type	Screw
L x W x H (mm)	88 x 6.1 x 97.8

Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-C2C2D-DC	1

Setting options/switch position

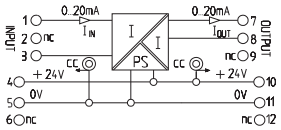
		Switch							
		S1		S2					
Input	Output	1	2	1	2	3	4	5	6
0 ... 20 mA	0 ... 20 mA	■	□	□	□	□	■	□	□
0 ... 20 mA	4 ... 20 mA	■	□	□	□	■	■	□	□
0 ... 20 mA	0 ... 10 V	■	□	□	□	□	□	■	■
4 ... 20 mA	0 ... 20 mA	■	□	■	■	■	■	□	□
4 ... 20 mA	4 ... 20 mA	■	□	□	□	□	■	□	□
4 ... 20 mA	0 ... 10 V	■	□	■	■	■	□	■	■
0 ... 10 V	0 ... 20 mA	□	■	□	□	□	■	□	□
0 ... 10 V	4 ... 20 mA	□	■	□	□	■	■	□	□
0 ... 10 V	0 ... 10 V	□	■	□	□	□	□	■	■

■ = on
□ = off

Active Converter, 3-Way

- Signal conversion
- Electrical isolation between input/output signal and power supply
- Power supply can be cross-connected using center jumpers

931S-A1A1N-DC

Specifications	*Active Converter, 3-Way*
Wiring Diagram	
Standards Compliance	cULus, IND. CONT. EQUIP., UL 508, CSA 22.2 No. 142-M198, EN 61000-6-1: 2007, EN 61000-6-2: 2005, EN61000-6-4:2007
Certifications	CE, cULus NRAQ.E113724
Input Ratings	
Current	0(4)...20 mA
Max Current	25 mA
Output Ratings	
Current	0(4)...20 mA
Load Impedance (voltage/current)	— / ≤ 600 Ω
Accuracy	0.2%
General Specifications	
Supply Voltage	24V DC ± 25%
Power Consumption	< 1.5 W at I_{OUT} =20 mA
Current-Carrying Capacity of Cross-Connect	≤ 2A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input/Output	$2kV_{eff}$ /5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A1A1N-DC	1

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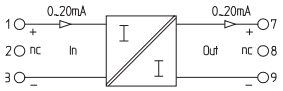
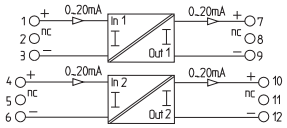
Passive Isolator

- Reliable isolation
- Very low power consumption

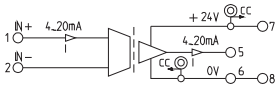
	931S-A1A1N-IP1	931S-A1A1N-IP2
		
Specifications	***Passive Isolator, 1-channel***	***Passive Isolator, 2-channel***
Wiring Diagram		
Standards Compliance	EN 61000-6-1:2007, EN61000-6-2:2005, EN61000-6-3:2007, UL 508, CSA C22.2 No. 142-M198, CSA C22.2 No. 142-213-M1	EN 61000-6-1:2007, EN61000-6-2:2005, EN61000-6-3:2007, UL 508, CSA C22.2 No. 142-M198, CSA C22.2 No. 142-213-M1
Certifications	CE, cULus, IND. CONT. EQUIP., NRAG.E10314 Also listed for use HAZ. LOC. areas Class 1, DIV 2, Groups A, B, C, and D.	CE, cULus, IND. CONT. EQUIP. NRAG/7.E10314 Also listed for use HAZ. LOC. areas Class 1, DIV 2, Groups A, B, C, and D.
Input Ratings		
Voltage	—	—
Current	0(4)...20 mA	0(4)...20 mA
Pick-up Current	<100 µA	<100 µA
Voltage Drop	approx. 3V at R_L =0 Ω, approx. 13V at R_L =500 Ω (I_{IN} =20mA)	approx. 3V at R_L =0 Ω, approx. 13V at R_L =500 Ω (I_{IN} =20mA)
Max Voltage	18V	18V
Max Current	50 mA	50 mA
Output Ratings		
Voltage	—	—
Current	0(4)...20 mA	0(4)...20 mA
Load Impedance (voltage/current)	— / ≤ 500 Ω	— / ≤ 500 Ω
Accuracy	< 0.1% of final value	< 0.1% of final value
General Specifications		
Power Type	Input Loop Powered	Input Loop Powered
Operating Temperature	-25 °C…+70 °C	-25 °C…+70 °C
Storage Temperature	-40 °C…+80 °C	-40 °C…+80 °C
Rated Insulation Voltage	300V	300V
Impulse Withstand Voltage	6kV	6kV
Isolation Voltage Input - Output	4kV/1 s	4kV/1 s
Connection Type	Screw	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	931S-A1A1N-IP1	1	**931S-A1A1N-IP2**	1

Active Isolator

- Signal conversion
- Electrical isolation between input and output signals
- Power supply can be cross-connected using center jumpers

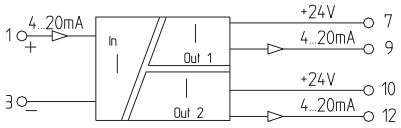
931S-A2A2N-DC

Specifications	*Active Isolator*
Wiring Diagram	
Standards Compliance	EN 61000-6-1:2007, EN 61000-6-2:2005, EN 61000-6-3:2007, EN61000-6-4:2007, UL 508, CSA C22.2 No, 142-M198, CSA C22.2 No. 142-213-M1
Certifications	CE, cULus, IND. CONT. EQUIP. NRAG/7.E10314 Also listed for HAZ. LOC. Areas Class 1, DIV. 2, Groups A, B, C, and D.
Input Ratings	
Current	4...20 mA
Max Current	25 mA
Max Voltage	7V
Output Ratings	
Current	4...20 mA
Load Impedance (voltage/current)	— \ ≤ 500 Ω
Accuracy	± 0.2% of final value
General Specifications	
Supply Voltage	24V DC ± 20%
Current Consumption	<32 mA at I=20 mA
Current Carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input - Output	1.2kV$_{eff}$/1 s
Connection Type	Screw
L x W x D (mm)	92.4 x 12.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A2A2N-DC	1

Passive Isolator, Splitter

- Electrical isolation
- Input and output current loop feed
- Very low power consumption
- No callibration necessary

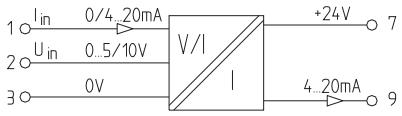
	931S-A2A5N-OP
	
Specifications	***Passive Isolator, Splitter***
Wiring Diagram	
Standards Compliance	EN 60079-0:2006, EN 60079-15: 2005, EN 61000-6-1:2007, EN 61000-6-2:2005, EN 61000-6-3:2007, EN61000-6-4:2007, UL 508, CSA C22.2 No, 142-M198, CSA C22.2 No. 142-213-M1
Certifications	cULus, IND. CONT. EQUIP. NRAG/7.E10314, NWGD/7.E10314 Also listed for HAZ. LOC. Areas Class 1, DIV. 2\ Zone 2 Groups A, B, C, and D, CE ATEX, Class 1 Zone 1 Demko 09 ATEX 0929065X
Input Ratings	
Current	4...20 mA
Max Current	40 mA
Voltage Drop	3.8V
Output Ratings	
Current	2 x 4...20 mA
Output Signal Limit	approx. 31 mA
Load Impedance (voltage/current)	— / R_L = (U_B-12 V) / 20 mA e.g. 600 Ω at 24 V
Accuracy	Typical 0.1%, max. 0.2%
General Specifications	
Supply Voltage	min. 12V DC, max. 30V DC
Power Type	Output Loop Powered
Operating Temperature	0 °C...+55 °C
Storage Temperature	-20 °C...+85 °C
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input - Output	$4kV_{eff}$/5s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A2A5N-OP	1

Passive Converter

- Electrical isolation
- Very low power consumption
- Input range selected via DIP switch
- No callibration necessary

931S-C1A2D-OP

Specifications	***Passive Converter***
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198, EN 61000-6-1:2007, EN 61000-6-2:2005, EN 61000-6-3:2007, EN 61000-6-4:2007
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ2/8.E113724
Input Ratings	
Voltage	0...5V / 0...10V
Current	0...20 mA / 4...20 mA
Max Voltage	30V DC
Max Current	40 mA
Input Resistance (voltage/current)	0…5V: 210 kΩ; 0…10V: 430 kΩ / 51 Ω
Output Ratings	
Current	4...20 mA
Output Signal Limit	approx. 24 mA
Load Impedance (current)	$R_L = (U_B\text{-}12\ V) / 20\ mA$ e.g. 600 Ω at 24 V
Accuracy	0.2% of measuring range final value
General Specifications	
Supply Voltage	min. 12V DC, max. 30 V DC
Power Type	Output Loop Powered
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	0...20 mA, 10Hz
Rated Insulation Voltage	300 V
Impulse Withstand Voltage	4 kV
Isolation Voltage Input - Output	$4\ kV_{eff}$ / 5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.4 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-C1A2D-OP	1

Setting options/switch position

	SW 1			
Input	**1**	**2**	**3**	**4**
0…20 mA	□	□	□	□
4…20 mA	■	□	□	□
0…5 V	■	■	■	□
0…10 V	□	■	□	□
Transmission frequency				
10 Hz	□	□	□	■
100 Hz	□	□	□	□

■ = on
□ = off

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Active Converter, 3-Way

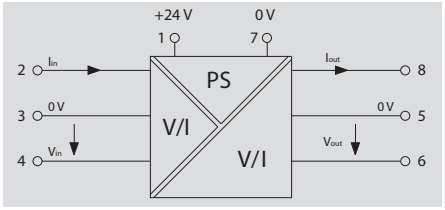
- Auxiliary power supply
- Supply of 12...60V DC
- LED status indicator
- Pluggable connection terminals

	931S-C3C3J-DC
	
Specifications	***Active Converter, 3-Way***
Standards Compliance	UL 508, CSA C22.2 No. 142-M198
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ2/8. E113724
Input Ratings	
Type	Current or voltage input∗
Input Signal Limits	0...22 mA / 0...10V
Sensor Supply	20 mA @ 24V DC output
Input Resistance (voltage/current)	1 MΩ / 100 Ω
Output Ratings	
Type	Current or voltage output∗
Output Signal Limits	0...22 mA / 0...10V
Accuracy	± 0.1% of end value
Load Resistance (voltage/current)	≥ 500 Ω / ≤ 1 kΩ
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	< 2.5 W
Operating Temperature	0 °C...+60 °C
Storage Temperature	-25° C...+70° C
Impulse Withstand Voltage	4kV (1.2/50 µs)
Rated Voltage	$300V_{eff}$
Isolation Voltage Input-Output	2 kV
L x W x D (mm)	92.4 x 12.5 x 112.4
Connection Type	Screw

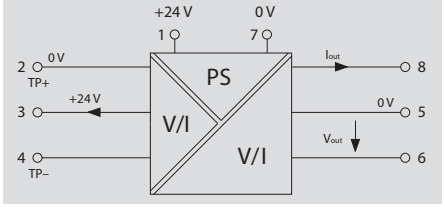
Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-C3C3J-DC	1

∗ Configurable with jumpers

Wiring possibility A (input passive)



Wiring possibility B (input active)



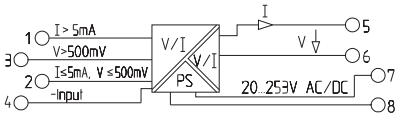
Connections

Terminal	Signal	
1	Signal +	Supply voltage
7	Signal –	
4	Signal +	Voltage input
3	Signal –	
2	Signal +	Current input
3	Signal –	
3	Signal +	Loop Powered Input
2	Signal –	
6	Signal +	Voltage output
5	Signal –	
8	Signal +	Current output
5	Signal –	

Active Converter, 3-Way

- Universally adjustable using DIP switch
- Online service tool to assist with DIP switch selection
- Voltage supply 20...230V AC/DC
- Low power loss
- Adjustable transmission frequency

931S-C4C5D-BC

Specifications	*Active Converter, 3 Way*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ/7.E113724
Input Ratings	
Voltage	± 20mV...± 200V
Current	± 0.1 mA...± 100 mA
Input Resistance (voltage/current)	1 MΩ /< 5 mA: approx. 100 Ω; >5 mA: approx. 5 Ω
Output Ratings	
Voltage	0...±10V
Current	0...±20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Accuracy	< 0.1% of final value
Adjustment Range, Amplification	0.33...3.30 x final value of selected output range
Offset Potentiometer	100%, -50%, 0%, 50%, 100% of measuring range
General Specifications	
Supply Voltage	22...230V AC/DC +10 %/ 48...62 Hz
Power Consumption	approx. 1 W
Operating Temperature	-10 °C...+70 °C
Storage Temperature	-40 °C...+85 °C
Default Settings	0...10V / 0...10V / 10Hz
Rated Insulation Voltage	300V
Impulse Withstand Voltage	5kV, 1.2/50 µs (IEC 255-4)
Isolation Voltage Input - Output	$4kV_{eff}$
Connection Type	Screw
L x W x D (mm)	92.4 x 12.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-C4C5D-BC	1

Switch position/setting options

Input	Switch S1				Switch S2			
Input range	1	2	3	4	1	2	3	4
0 ... ±60 mV	□	□	□	□	□	□	□	■
0 ... ±100 mV	■	□	□	□	□	□	□	■
0 ... ±150 mV	□	■	□	□	□	□	□	■
0 ... ±300 mV	■	■	□	□	□	□	□	■
0 ... ±500 mV	□	□	■	□	□	□	□	■
0 ... ±1 V	■	□	■	□	□	■	□	■
0 ... ±5 V	□	■	■	□	□	■	□	■
0 ... ±10 V	■	■	■	□	□	■	□	■
0 ... ±100 V	□	□	□	■	□	□	■	■
0 ... ± ~0.3 mA	■	□	□	■	■	□	□	■
0 ... ±1 mA	□	■	□	■	■	□	□	■
0 ... ±5 mA	■	■	□	■	■	□	□	■
0 ... ±10 mA	□	□	■	■	■	□	□	■
0 ... ±20 mA	■	□	■	■	■	□	□	■
0 ... ±50 mA	□	■	■	■	■	□	□	■
4 ... ±20 mA*	■	■	■	■	■	□	□	■

*Offset conversion not calibrated

	Switch S2	4
calibratet ranges		■
Span-pot. activated: input x 0.33	.. x 3.30	

Output	Switch S1			Switch S3	
Output range	5	6	7	1	2
0 ... ±10 V	□	□	□	■	■
2 ... 10 V	■	□	□	■	■
0 ... ±5 V	□	■	□	■	■
1 ... 5 V	■	■	□	■	■
0 ... ±20 mA	□	□	■	□	□
4 ... 20 mA	■	□	■	□	□

Offset	S1			S2
(in % of output voltage)	8	9	10	5
0 %	□	□	□	■
-100 %	■	□	□	■
-50 %	□	■	□	■
+50 %	■	■	□	■
+100 %	□	□	■	■
Zero pot. activated: additional ±25 %				

	Switch S3	3
Bandwidth 10 kHz		□
Bandwidth 10 Hz		■

Set range can be documented on side of housing.

■ = on
□= off

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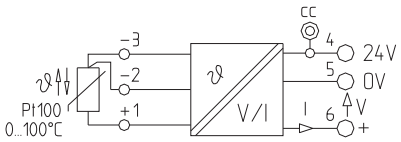
Active Converter, PT100/RTD

- Two way isolation between input and output/power supply
- PT100 two or three conductor
- Power supply can be cross-connected using center jumpers
- Low power loss

931H-P2C1D-DC

Specifications	*Active Converter, PT100/RTD*
Wiring Diagram	
Standards Compliance	UL 60079.15, UL 508, EN 60079-0:2006, EN 60079-15:2005, CSA C22.2 No. 14-95, CSA C22.2 No. 142-M1987, CSA E60079-15:02
Certifications	Also listed for HAZ. LOC. Areas Class 1, DIV. 2\ Zone 2 Groups A, B, C, and D, CE, ATEX - Class 1, Zone 2, Demko 09ATEX 147279X, cULus NRAG/7.E10314, NWGD/7.E10314 HazLoc
Input Ratings	
Sensor	PT100/2-/3-conductor (to IEC 751)
Supply Current	0.8 mA
Temperature Input Rating	0…100 °C
Output Ratings	
Voltage	0…10V / 0…5V
Current	0...20 mA / 4...20 mA
Load Impedance (voltage/current)	≥ 10 kΩ / ≤ 300 Ω, ≤ 400 Ω @ 24V
Accuracy	< 0.5% of measuring range
General Specifications	
Supply Voltage	24V DC ± 10 %
Power Consumption	approx. 0.6 W
Current Carrying Capacity of Cross Connect	≤ 20 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	0…20 mA
Rated Insulation Voltage	100V
Impulse Withstand Voltage	1.5kV
Isolation Voltage Input - Output	$500V_{eff}$ / 1 s
Connection Type	Screw
L x W x H (mm)	88 x 6.1 x 88

Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-P2C1D-DC	1

Setting options/switch position

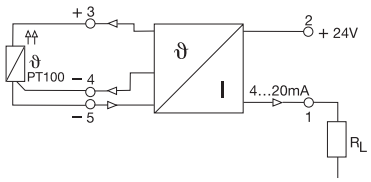
	Switch			
Output	**1**	**2**	**3**	**4**
0 … 10 V	■	■	■	□
0 … 20 mA	□	□	□	□
4 … 20 mA	□	□	□	■
0 … 5 V	■	■	■	■

■ = on
□ = off

Active Converter, PT100/RTD

- For two or three conductor PT100 sensors
- Loop-fed output current
- High accuracy and linearity

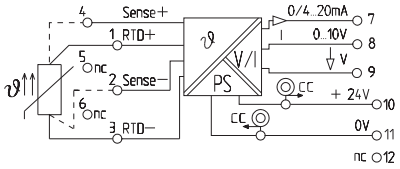
931H-P2A2N-OP

Specifications	*Active Converter, PT100/RTD*	
Wiring Diagram		
Standards Compliance	CSA C22.2 No. 142, CSA C22.2 No 0-M91, CSA C22.2 No 14-95, UL 508	
Certifications	CE, CSA, cURus NRAQ2/8.E113724	
Input Ratings		
Sensor	PT100/2-/3-conductor (to IEC 751)	
Temperature Input Range	0...200 °C	
Output Ratings		
Current	4...20 mA	
Load Impedance (voltage/current)	— / ≤ 600 Ω	
Accuracy	typical 0.2%, max. 0.5% of FSR	
General Specifications		
Supply Voltage	9...30V DC	
Power Type	Output Loop Powered	
Current Carrying Capacity of Cross Connect	≤ 20 A	
Operating Temperature	0 °C...+50 °C	
Storage Temperature	-20 °C...+85 °C	
Connection Type	Tension Clamp	
L x W x H (mm)	91 x 6 x 93.2	
Signal Conditioner	**Cat. No.**	Pkg. Quantity
	931H-P2A2N-OP	1
End Barrier (required)	**931H-EB1**	10

Active Converter, 3-Way, RTD

- Universally adjustable using DIP switch
- Three way isolation
- Linearization
- Power supply can be cross-connected using center jumpers

931S-P1C2D-DC

Specifications	*Active Converter, 3 Way, RTD*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198, CSA C22.2 No. 142+213-M1
Certifications	CE, cULus, IND. CONT. EQUIP. Also listed for HAZ. LOC. Areas Class 1, DIV. 2, Groups A, B, C, and D. NRAQ2/8.E113724, NRAG./7E10314
Input Ratings	
Sensor	PT100/2-/3-/4-cond., Ni100/2-/3-/4-cond., potentiometer: min. 0...100 Ω, max. 0...100 kΩ, resistor: 0...450 Ω
Temperature Range	Configurable
Output Ratings	
Voltage	0...10V
Current	0…20 mA / 4…20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Wire Break Detection	LED flashed (output value > 20 mA, >10V)
Status Indicator	Active: LED On; Wire broken: LED Flashing; Error: LED Off
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	830…880…980 mW at I_{OUT} = 20 mA
Current-carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	PT100/3-cond./ 0…100°C / 4…20 mA / man. fine calib.: off / slow step response
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4 kV
Isolation Voltage Input - Output	2 kV_{eff} / 5 s
Connection Type	Screw
L x W x D	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-P1C2D-DC	1

Switch positions/setting options

■ = on
□ = off

Input	Switch 1 1	2	3
PT100 2-conductor	■	■	■
PT100 3-conductor	□	■	■
PT100 4-conductor	■	□	■
R 2-conductor	□	□	■
NI100 2-conductor	■	■	□
NI100 3-conductor	□	■	□
NI100 4-conductor	■	□	□
Potentiometer	□	□	□

Selection of minimum input size

ϑ_{min}	R_{min}	$Poti_{min}$	Switch 1 4	5	6	7
0 °C	0 Ω	0 %	■	■	■	■
–10 °C	10 Ω	10 %	■	■	■	□
–20 °C	20 Ω	20 %	■	■	□	■
–25 °C	20 Ω	25 %	■	■	□	□
–30 °C	30 Ω	30 %	■	□	■	■
–40 °C	40 Ω	40 %	■	□	■	□
–50 °C	50 Ω	50 %	■	□	□	■
–60 °C	60 Ω	60 %	■	□	□	□
–70 °C	70 Ω	70 %	□	■	■	■
–80 °C	80 Ω	80 %	□	■	■	□
–90 °C	90 Ω		□	■	□	■
–100 °C	100 Ω		□	■	□	□
–150 °C	150 Ω		□	□	■	■
–200 °C	200 Ω		□	□	■	□
Special range			□	□	□	■

Activating the manual fine calibration

Man. Cal.	Switch 1 8
On	□
Off	■

Choice of measuring range

T	R	Potentiometer	Switch 2 1	2	3	4	5
40K	20 Ω	20 %	■	■	■	■	■
50K	25 Ω	25 %	■	■	■	■	□
60K	30 Ω	30 %	■	■	■	□	■
70K	35 Ω	35 %	■	■	■	□	□
80K	40 Ω	40 %	■	■	□	■	■
90K	45 Ω	45 %	■	■	□	■	□
100K	50 Ω	50 %	■	■	□	□	■
110K	55 Ω	55 %	■	■	□	□	v
120K	60 Ω	60 %	■	□	■	■	■
125K	62.5 Ω	62.5 %	■	□	■	■	□
130K	65 Ω	65 %	■	□	■	□	■
140K	70 Ω	70 %	■	□	■	□	□
150K	75 Ω	75 %	■	□	□	■	■
160K	80 Ω	80 %	■	□	□	■	□
170K	85 Ω	85 %	■	□	□	□	■
180K	90 Ω	90 %	■	□	□	□	□
190K	95 Ω	95 %	□	■	■	■	■
200K	100 Ω	100 %	□	■	■	■	□
250K	125 Ω	---	□	■	■	□	■
300K	150 Ω	---	□	■	■	□	□
350K	175 Ω	---	□	■	□	■	■
400K	200 Ω	---	□	■	□	■	□
450K	225 Ω	---	□	■	□	□	■
500K	250 Ω	---	□	■	□	□	□
550K	275 Ω	---	□	□	■	■	■
600K	300 Ω	---	□	□	■	■	□
650K	325 Ω	---	□	□	■	□	■
700K	350 Ω	---	□	□	■	□	□
750K	375 Ω	---	□	□	□	■	■
800K	400 Ω	---	□	□	□	■	□
850K	425 Ω	---	□	□	□	□	■
900K	450 Ω	---	□	□	□	□	□

Selection of output

Output	Switch 2 6	7
0...10V	■	□
0..20 mA	□	□
4..20 mA	□	■

Selection of step response time

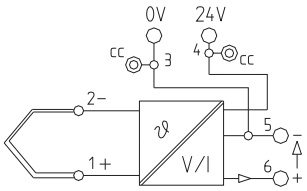
Step Response	Switch 2 8
Slow	■
Quick *	□

* less exact measuring

Thermocouple, Type J

- Two-way isolation between input and output/power supply
- Cold junction compensation
- Linearization
- Output can be switched via DIP switch

931H-T1C1D-DC

Specifications	*Thermocouple, Type J*
Wiring Diagram	
Standards Compliance	UL 60079.15, UL 508, EN 60079-0:2006, EN 60079-15:2005, CSA C22.2 No. 14-95, CSA C22.2 No. 142-M1987, CSA E60079-15:02
Certifications	Also listed for HAZ. LOC. Areas Class 1, DIV. 2\ Zone 2 Groups A, B, C, and D, CE, ATEX - Class 1, Zone 2, Demko 09ATEX 147279X, cULus NRAG/7.E10314 NWGD/7.E10314 HazLoc
Input Ratings	
Sensor	Thermo element to IEC 584, type: J
Temperature Input Rating	0…700 °C
Output Ratings	
Voltage	0…10V / 0…5V
Current	0...20 mA / 4...20 mA
Load Impedance (voltage/current)	≥ 10 kΩ /≤ 300 Ω, ≤ 400 Ω @ 24V
Accuracy	< 0.7% of measuring range
Wire Break Detection	output value:.> 20 mA, >10V
General Specifications	
Supply Voltage	24V DC ± 10 %
Power Consumption	approx. 0.6 W
Current Carrying Capacity of Cross Connect	≤ 20 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	0…20 mA
Rated Insulation Voltage	100V
Impulse Withstand Voltage	1.5 kV
Isolation Voltage Input - Output	500V_{eff} / 1 s
Connection Type	Screw
L x W x D (mm)	88 x 6.1 x 97.8

Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-T1C1D-DC	1

Setting options/switch position

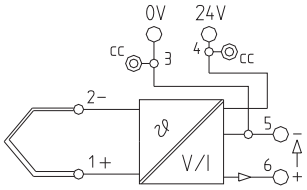
	Switch			
Output	**1**	**2**	**3**	**4**
0 … 10 V	■	■	■	□
0 … 20 mA	□	□	□	□
4 … 20 mA	□	□	□	■
0 … 5 V	■	■	■	■

■ = on
□ = off

Thermocouple, Type K

- Two-way isolation between input and output/power supply
- Cold junction compensation
- Linearization
- Output can be switched via DIP switch

931H-T2C1D-DC

Specifications	*Thermocouple, Type K*
Wiring Diagram	
Standards Compliance	UL 60079.15, UL 508, EN 60079-0:2006, EN 60079-15:2005, CSA C22.2 No. 14-95, CSA C22.2 No. 142-M1987, CSA E60079-15:02
Certifications	Also listed for HAZ. LOC. Areas Class 1, DIV. 2\ Zone 2 Groups A, B, C, and DCE, ATEX - Class 1, Zone 2 Demko 09ATEX 147279X, cULus NRAG/7.E10314, NWGD/7.E10314 HazLoc
Input Ratings	
Sensor	Thermo element to IEC 584, type: K
Temperature Input Rating	0…1000 °C
Output Ratings	
Voltage	0…10V / 0…5V
Current	0...20 mA / 4...20 mA
Load Impedance (voltage/current)	≥ 10 kΩ / ≤ 300 Ω, ≤ 400 Ω @ 24V
Accuracy	< 0.6% of measuring range
Wire Break Detection	output value: .> 20 mA, >10V
General Specifications	
Supply Voltage	24V DC ± 10 %
Power Consumption	approx. 0.6 W
Current Carrying Capacity of Cross Connect	≤ 20 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	0…20 mA
Rated Insulation Voltage	100V
Impulse Withstand Voltage	1.5 kV
Isolation Voltage Input - Output	$500V_{eff}$ / 1 s
Connection Type	Screw
L x W x D (mm)	88 x 6.1 x 97.8

Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-T2C1D-DC	1

Setting options/switch position

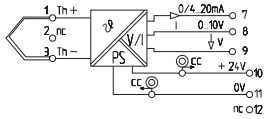
	Switch			
Output	1	2	3	4
0 … 10 V	■	■	■	□
0 … 20 mA	□	□	□	□
4 … 20 mA	□	□	□	■
0 … 5 V	■	■	■	■

■ = on
□ = off

Universal Thermocouple, 3-Way

- Universally adjustable using DIP switch
- Three way isolation
- Linearization
- Power supply can be cross-connected using center jumpers

931S-T9C2D-DC

Specifications	***Universal Thermocouple, 3 Way***
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M95, CSA C22.2 No. 142+213-M1, EN 61000-6-1:2007, EN 61000-6-2:2005, EN 61000-6-3:2007, EN 61000-6-4:2007
Certifications	CE, cULus, IND. CONT. EQUIP. Also listed for HAZ. LOC. Areas Class 1, DIV. 2, Groups A, B, C, and D. NRAQ2/8.E113724, NRAG/7.E10314
Input Ratings	
Sensor	Thermo element (IEC 584) type: K,J,T,E,N,R,S,B
Temperature Range	-200…+1820 °C
Output Ratings	
Voltage	0...10V
Current	0…20 mA / 4…20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Wire Break Detection	LED Flashes (output value > 20 mA, >10V)
Status Indicator	Active: LED On; Wire Broken: LED Flashes; Error: LED Off
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	830…880…980mW at I_{OUT} = 20 mA
Current-carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	Type K/ 0…1000 °C / 4…20 mA / filter off / man. calibration off
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4 kV
Isolation Voltage Input - Output	2 kV_{eff} / 5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-T9C2D-DC	1

Select of thermocoupler

Typ	SW1 1	2	3
K	■	■	■
J	□	■	■
T	■	□	■
E	□	□	■
N	■	■	□
R	□	■	□
S	■	□	□
B	□	□	□

Selection of minimum temperature

ϑmin	SW1 4	5	6	7
0°C	■	■	■	■
-10°C	■	■	■	□
-20°C	■	■	□	■
-30°C	■	■	□	□
-40°C	■	□	■	■
-50°C	■	□	■	□
-100°C	■	□	□	■
-150°C	■	□	□	□
-200°C	□	■	■	■
+50°C	□	■	■	□
+100°C	□	■	□	■
+150°C	□	■	□	□
+200°C	□	□	■	■
+250°C	□	□	■	□
500°C	□	□	□	■
Special range	□	□	□	□

Selection of temperature span

Span	SW2 1	2	3	4	5
100°C	■	■	■	■	■
150°C	■	■	■	■	□
200°C	■	■	■	□	■
250°C	■	■	■	□	□
300°C	■	■	□	■	■
350°C	■	■	□	■	□
400°C	■	■	□	□	■
450°C	■	■	□	□	□
500°C	■	□	■	■	■
550°C	■	□	■	■	□
600°C	■	□	■	□	■
650°C	■	□	■	□	□
700°C	■	□	□	■	■
750°C	■	□	□	■	□
800°C	■	□	□	□	■
850°C	■	□	□	□	□
900°C	□	■	■	■	■
950°C	□	■	■	■	□
1000°C	□	■	■	□	■
1050°C	□	■	■	□	□
1100°C	□	■	□	■	■
1150°C	□	■	□	■	□
1200°C	□	■	□	□	■
1250°C	□	■	□	□	□
1300°C	□	□	■	■	■
1350°C	□	□	■	■	□
1400°C	□	□	■	□	■
1450°C	□	□	■	□	□
1500°C	□	□	□	■	■
1600°C	□	□	□	■	□
1700°C	□	□	□	□	■
1800°C	□	□	□	□	□

■ = on
□ = off

Selection of output

Output	SW2 6	7
0...10V	■	□
0...20mA	□	□
4...20mA	□	■

Switching on the manual fine adjustment

man. adjust.	SW1 8
off	□
on	■

Switching on the filter function

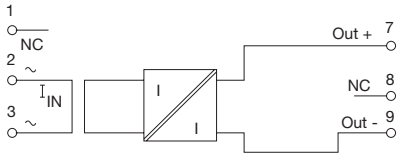
Filter	SW2 8
off	□
on	■

Temperature coefficient

K	-200°C...-150°C	± (5K + 0,1% of set range)
	-150°C...1200°C	± (3K + 0,1% of set range)
	1200°C...1372°C	± (4K + 0,1% of set range)
J	-200°C...-150°C	± (4K + 0,1% of set range)
	-150°C...1200°C	± (3K + 0,1% of set range)
T	-200°C...-150°C	± (5K + 0,1% of set range)
	-150°C ...400°C	± (3K + 0,1% of set range)
E	-200°C...-150°C	± (4K + 0,1% of set range)
	-150°C...1000°C	± (3K + 0,1% of set range)
N	-200°C...-150°C	± (6K + 0,1% of set range)
	-150°C...1300°C	± (3K + 0,1% of set range)
R	-50°C ...200°C	± (10K + 0,1% of set range)
	200°C...1760°C	± (6K + 0,1% of set range)
S	-50°C ...200°C	± (10K + 0,1% of set range)
	200°C...1760°C	± (6K + 0,1% of set range)
B	50°C ...250°C	± (25K + 0,1% of set range)
	250°C ...500°C	± (10K + 0,1% of set range)
	500°C...1820°C	± (6K + 0,1% of set range)

Passive Converter, Monitoring - Loop Powered

931S-A3A2D-OP

Specifications	*Passive Converter, Monitoring - Loop Powered*
Wiring Diagram	
Standards Compliance	UL 508, UL 60079-15, CSA C22.2 No. 14-M95, CSA C22.2 No. 213-M 1987, CSA C22.2 No. 142-M1987, EN 60079-0:2006, EN60079-15:2005
Certifications	cULus, IND. CONT. EQUIP. NRAG/7. E10314, NWGD/7.E10314, Also listed for HAZ. LOC. Areas Class 1, DIV. 2\ Zone 2 Groups A, B, C, and D, CE, ATEX Class 1, Zone 2, Demko 09 ATEX 0929065X
Input Ratings	
Current	0…1 A AC/ 0…5 A AC/ 0…10 A AC
Frequency	50…60 Hz
Max Current	100 A for 1 s
Voltage of Measuring Circuit	250 V AC
Output Ratings	
Voltage	—
Current	4…20 mA
Load Impedance (voltage/current)	— / ≤ 600 Ω
Accuracy	0.5% FSR
Status Indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error
General Specifications	
Supply Voltage	13...30V DC
Power Type	Output Loop Powered
Current Consumption	—
Current-carrying Capacity of Cross-Connect	—
Operating Temperature	0 °C…+50 °C
Storage Temperature	-20 °C…+70 °C
Default Settings	0…5 A AC, 4…20 mA
Rated Insulation Voltage	300V
Impulse Withstand Voltage	6kV
Isolation Voltage Input - Output	$4kV_{eff}$ / 5 s
Connection Type	Screw
L x W x D (mm)	72 x 22.5 x 92.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A3A2D-OP	1

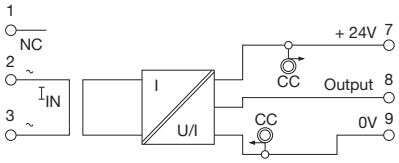
	Switch			
Input	**1**	**2**	**3**	**4**
1 Aa	□	□	■	
5 Aa	□	■	□	
10 Aa	■	□	□	

	Switch			
Frequency	**1**	**2**	**3**	**4**
50 Hz				□
60 Hz				■

■ = on
□ = off

Active Converter, Monitoring

931S-A3C2D-DC

Specifications	*Active Converter, Monitoring*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 14-M95
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ2/8. E113724
Input Ratings	
Current	0…1 A AC/ 0…5 A AC/ 0…10 A AC
Frequency	50…60 Hz
Max Current	100 A for 1 s
Voltage of Measuring Circuit	250 V AC
Output Ratings	
Voltage	0…10V
Current	0…20 mA / 4…20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Accuracy	0.5% FSR
Status Indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error
General Specifications	
Supply Voltage	24V DC ± 10 %
Power Type	—
Current Consumption	40 mA at I_{OUT} =20 mA
Current-carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+50 °C
Storage Temperature	-20 °C…+70 °C
Default Settings	0…5 A AC, 4…20 mA
Rated Insulation Voltage	300V
Impulse Withstand Voltage	6kV
Isolation Voltage Input - Output	$4kV_{eff}$ / 5 s
Connection Type	Screw
L x W x D (mm)	72 x 22.5 x 92.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A3C2D-DC	1

	Switch							
Input	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1 Aa	□	□	■					
5 Aa	□	■	□					
10 Aa	■	□	□					

	Switch							
Output	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
0...10V				■	□	■	■	□
0...20 mA				□	□	□	□	■
4...20 mA				□	■	□	□	■

■ = on
□ = off

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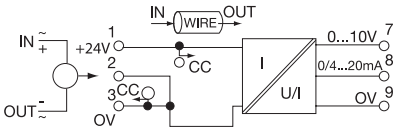
Active Isolator, Half-Effect Monitoring

- Input/output electrically isolated
- Input and output ranges adjustable using DIP switch
- No calibration necessary

931S-A4C2D-DCHALL

Specifications	*Active Isolator, Half-Effect Monitoring*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 14-M95
Certifications	CE, cULus, IND. CONT. EQUIP., NRAQ2/8.E113724
Input Ratings	
Current	0…20 A AC/DC / 0…25 A AC/DC / 0…30 A AC/DC
Frequency	0…2 kHz (true RMS to DC converter)
Voltage of Measuring Circuit	400V AC, >400V AC depends on conductor insulation
Sensor	Hall sensor (internal)
Output Ratings	
Voltage	0…10V
Current	0…20 mA / 4…20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Accuracy	1% FSR
Status Indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error
General Specifications	
Supply Voltage	24V DC ± 10 %
Current Consumption	50 mA at I_{OUT} =20 mA
Current-carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+50 °C
Storage Temperature	-20 °C…+70 °C
Default Settings	0…25 A, 4…20 mA
Rated Insulation Voltage	300V
Impulse Withstand Voltage	6kV
Isolation Voltage Input - Output	$4kV_{eff}$ / 5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 22.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A4C2D-DCHALL	1

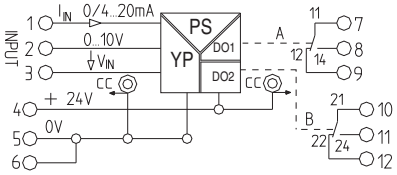
Output	Switch 1	2	3	4	5
0...10V			■	□	
0...20 mA			□	□	
4...20 mA			□	■	

■ = on
□ = off

Isolator, 3-Way, Limit Value Monitoring

- Three-way Isolation
- Low Trip/ High Trip
- Failsafe/Non-Failsafe
- Two relay outputs

931S-C2R1D-DC2R

Specifications	***Isolator, 3-Way, Limit Value Monitoring***
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ2/8. E113724
Input Ratings	
Voltage	0...10V
Current	0...20 mA / 4...20 mA
Input Resistance (voltage/current)	≥ 100 kΩ / ≤ 110 Ω
Output Ratings	
Contact Complement	2 change-over contacts
Contact Material	AgNi 90/10
Switching Voltage, Max	253V AC
Continuous Current	3 A
Status Indicator	LED green ON: OK, LED red ON: alarm (per channel)
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	typically 1 W both relays picked up
Current-carrying Capacity of Cross-Connect.	≤ 2 A
Operating Temperature	-10 °C...+55 °C
Storage Temperature	-20 °C...+85 °C
Default Settings	channel A/B: low trip and FAILSAFE
Rated Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input - Output	$2kV_{eff}$ /5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-C2R1D-DC2R	1

Switch position/setting options

	SW 1			
function	**1**	**2**	**3**	**4**
Channel A High Trip	■			
Channel A Low Trip	□			
Channel B High Trip		■		
Channel B Low Trip		□		
FAILSAFE, Channel 1 & 2			□	□
NON FAILSAFE, Chan. 1 & 2			■	■

■ = on
□ = off

NON FAILSAFE: The relay picks up when the alarm is trigered

FAILSAFE: The relay drops out when the arlarm is triggered. An alarm is also triggered in the FAILSAFE mode, if for example, the operating voltage to the moduls fail

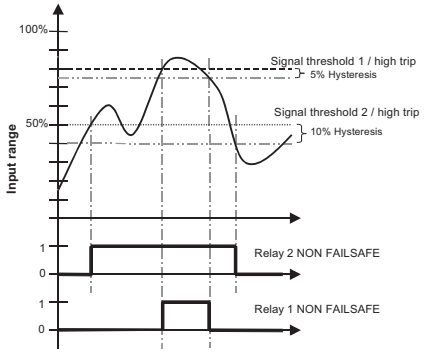
Low Trip: Alarm is triggered if the signal is undershoot the threshold.

High Trip: Alarm is triggered if the signal is overshoot the threshold.

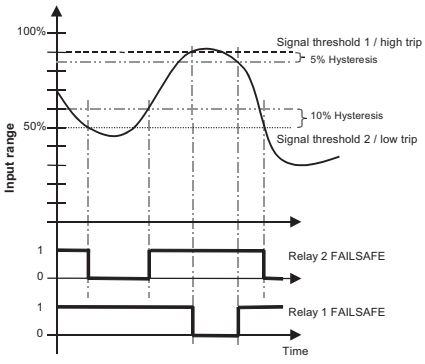
Signal threshold: Adjustments of the signal threshold (1...90)% are made for channel 1 with the potentiometer P1, and separately for channel 2 via potentiometer P2.

Hysterese: Adjustments of the hysteresis (1...10)% are made for channel 1 with the potentiometer P3, and separately for channel 2 via potentiometer P3.

Example 1



Example 2



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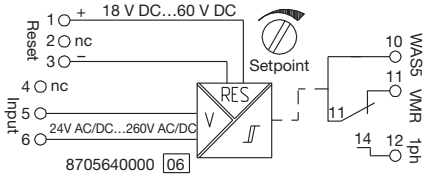
Isolator, 3-Way, Monitoring

- Three-way isolation
- Monitoring of single-phase systems up to 260V AC/DC
- 4 input ranges selected by DIP switches
- One relay with change-over contact
- Switchable hysteresis
- Switch adjusted via potentiometer
- Reset input

	931S-V1R1D-MC1R
Specifications	***Isolator, 3-Way, Monitoring***
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 14-M95
Certifications	CE, cULus, IND. CONT. EQUIP. NRAQ2/8.E113724
Input Ratings	
Voltage	24…70 / 70…140 / 140…210 / 210…260V AC / DC
Frequency	50…60 Hz
Max Voltage	260V AC / DC
Output Ratings	
Switching Voltage, Max	250V AC
Switching Current, Max	8 A
Continuous Current	3 A
Accuracy	< 0.3% of set range
Hysteresis	24…70V AC, small = 5V / large = 10V
Status Indicator	LED green = OK / LED red/yellow = alarm status
General Specifications	
Supply Voltage	from the measuring circuit
Reset Input Voltage Range	18V DC...30V DC
Minimum Pulse Length	700 ms
Operating Temperature	-10 °C…+55 °C
Storage Temperature	-20 °C…+70 °C
Default Settings	DIP switches: ON = 1,2,5,8 / OFF = 3,4,6,7
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4 kV
Isolation Voltage Input - Output	2 kV_{eff}
Connection Type	Screw
L x W x D (mm)	96.5 x 17.5 x 112.5

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-V1R1D-MC1R	1

Input	1	2	3	4	5	6	7	8
24 V AC/DC...70 V AC/DC				■	□	□	□	
70 V AC/DC...140 V AC/DC				□	□	□	■	
140 V AC/DC...210 V AC/DC				□	□	■	□	
210 V AC/DC...260 V AC/DC				□	■	□	□	
Trip								
High Trip	■							
Low Trip	□							
Memory								
Memory on		□						
Memory out		■						
Hysteresis								
Hysteresis small			□					
Hysteresis large			■					
Input voltage								
AC voltage								■
DC voltage								□

■ = on
□ = out

Status indicator

- ● Set value not exceeded.
- ● Alarm status.
- ○ Alarm status can be reset because set value has been exceeded.

Abb.1: Overvoltage monitoring
Alarm set to "high trip"
(Set permanently to closed-circuit principle.)

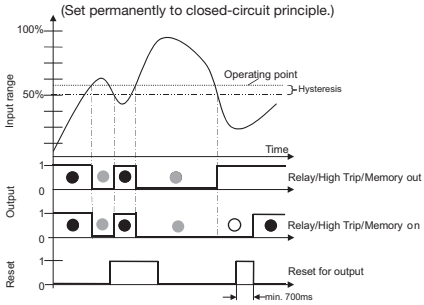
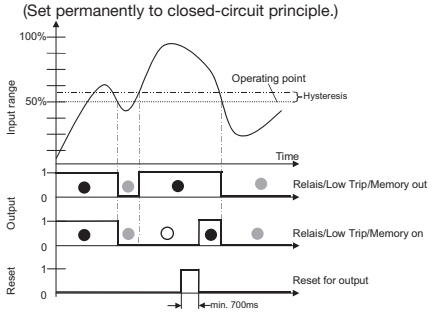


Abb.2: Undervoltage monitoring
Alarm set to "low trip"
(Set permanently to closed-circuit principle.)



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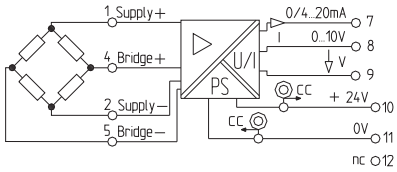
Bridge Converter, 3-Way

- Three-way isolation
- Input and output ranges adjustable using DIP switch
- No calibration necessary
- Inverse output signals possible

931S-B1C6D-DC

Specifications	*Bridge Converter, 3 Way*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198
Certifications	CE, cULus, IND. CONT. EQUIP., NRAQ2/8.E113724
Input Ratings	
Input Voltage	-500mV...+500mV
Input Resistance	> 1 mΩ
Output Ratings	
Voltage	0…5V / 5…0V / 10…0V / 0…10V
Current	0…20 mA / 20…0 mA / 4…20 mA / 20…4 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Accuracy	0.3% of output range
Wire Break Detection	output: 0V or 0/4 mA
Bridge Supply Voltage	+10V, +5V, 4.8…10.2V; offset adjustable; max. 40 mA
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	max. 1.9 W at I_{OUT} = 20 mA
Current-carrying Capacity of Cross-connect	≤ 2 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	-500 mV…+500 mV / 0…10V / + 10V / standard
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input - Output	2 kV_{eff} / 5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 17.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-B1C6D-DC	1

Input voltage	SW 1 1	2	3	4	5	6	7	8	9	10
0…10 mV						□	□	□	□	
0…20 mV						□	□	□	■	
0...50 mV						□	□	■	□	
0...100 mV						□	□	■	■	
0...200 mV						□	■	□	□	
0...500 mV						□	■	□	■	
-10 mV...10 mV						■	□	□	□	
- 20 mV...20 mV						■	□	□	■	
- 50 mV...50 mV						■	□	■	□	
- 100 mV...100 mV						■	□	■	■	
- 200 mV...200 mV						■	■	□	□	
- 500 mV...500 mV						■	■	□	■	
Output										
0...+10 V				□	□					
0...+5 V				□	■					
0...20 mA				■	□					
4...20 mA				■	■					
Bridge supply voltage										
+10V	■	□	□							
+5V	■	□	■							
+4.8...+10.2V adjustable	□	■	□							
+4.8...+10.2V adjustable man. adjustment and offset possible	□	■	■							
Transmission method										
standard output signal										□
inverse output signal										■

■ = on
□ = off

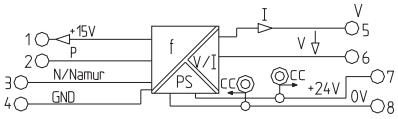
Status LED	
LED on	normal operating
LED off	Error
LED blinks slow	measurement range undershoot Uin < Umax – 10 %
LED blinks fast	measurement range overshoot Uin < Umax + 10 %

Application

Frequency Converter, 3-Way

- Three-way isolation
- Max. input frequency 100 kHz
- Input and output ranges adjustable using DIP switch
- No calibration necessary
- Special ranges can be programmed

931S-F1C2D-DC

Specifications	*Frequency Converter, 3-Way*
Wiring Diagram	
Standards Compliance	UL 508, CSA C22.2 No. 142-M198, CSA 22.2 No. 142+213-M1
Certifications	CE, cULus, IND. CONT. EQUIP. Also listed for HAZ. LOC. Areas Class 1, DIV. 2, Groups A, B, C, and D. NRAQ2/8.E113724, NRAG/7.E10314
Input Ratings	
Sensor	2-, 3-wire PNP/NPN, namur initiator, push-pull step
Rated Input Level	Threshold / Hysteresis: Namur: approx. 1.7 mA/approx. 0.2 mA; NPN: approx. 6.5 V/approx. 0.2V; PNP: approx. 6.7V/approx. 0.5V
Input Frequency	0...100 kHz
Output Ratings	
Voltage	0...10V
Current	0…20 mA / 4…20 mA
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω
Accuracy	0.2% of output range
Status Indicator	green LED
General Specifications	
Supply Voltage	24V DC ± 25 %
Power Consumption	max. 1.6 W at I_{OUT} = 20 mA
Current-carrying Capacity of Cross-Connect	≤ 2 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-20 °C…+85 °C
Default Settings	0…10 kHz / 4…20 mA
Rated Insulation Voltage	300V
Impulse Withstand Voltage	6 kV
Isolation Voltage Input - Output	4 kV_{eff} / 5 s
Connection Type	Screw
L x W x D (mm)	92.4 x 12.5 x 112.4

Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-F1C2D-DC	1

Selecting the operating mode

Operating mode	Switch 2 3	4
0…fmax	□	□
fmin…fmax	□	■
saving fmin	■	□

f= (A+B) x C

Selecting the frequency

A	Switch 1 1	2	3	4
0	□	□	□	□
1	□	□	□	■
2	□	□	■	□
3	□	□	■	■
4	□	■	□	□
5	□	■	□	■
6	□	■	■	□
7	□	■	■	■
8	■	□	□	□
9	■	□	□	■
10	■	□	■	□
11	■	□	■	■
12	■	■	□	□
13	■	■	□	■
14	■	■	■	□
15	■	■	■	■

Selecting the frequency

B	Switch 1 5	6	7	8
0	□	□	□	□
0.1	□	□	□	■
0.2	□	□	■	□
0.3	□	□	■	■
0.4	□	■	□	□
0.5	□	■	□	■
0.6	□	■	■	□
0.7	□	■	■	■
0.8	■	□	□	□
0.9	■	□	□	■

Selecting the frequency

C	Switch 2 1	2
x1	□	□
x10	□	■
x100	■	□
x1000	■	■

Selecting the output

Output	Switch 2 5	6	7	8
0...10 V	■	□	■	■
0...20 mA	□	□	□	□
4...20 mA	□	■	□	□
0…5 V	■	■	■	■

Special range (frequency generator is required)

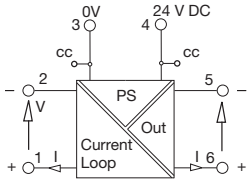
Function	Switch 2 1	2	3	4
save min. frequency	□	■	■	■
save max. frequency	■	□	■	■
select special range	■	■	■	■

■ = on
□ = off

Active Isolator, 3-Way, HART

- Two conductor system
- Three port isolation
- With HART transmission
- Output signal switchable

931H-A2C2D-DCHART

Specifications	*Active Isolator, 3-Way, HART*
Wiring Diagram	
Standards Compliance	UL 508, EN 60079-0:2006, EN60079-15:2005, EN50178:1997, CSA C22.2 No. 142, CSA C22.2 No. 14-95, CSA C22.2 No. 0-M91
Certifications	CE, cURus NMTR2/8.E56639
Input Ratings	
Current	4...20 mA
Sensor	2-conductor
Supply Voltage	16.5V / constant for 3…22 mA
Output Ratings	
Current	0...20 mA / 4...20 mA
Voltage	0...10V
Load Impedance (voltage/current)	≥ 10 kΩ / ≤ 500 Ω
Accuracy	I_{OUT}: < 0.1% / U_{OUT}: < 0.2%
General Specifications	
Supply Voltage	24V DC ± 15%
Power Consumption	approx. 1 W
Communication	to Hart specification
Current Carrying Capacity of Cross Connect	≤ 20 A
Operating Temperature	0 °C…+55 °C
Storage Temperature	-25 °C…+85 °C
Rated Insulation Voltage	600V
Isolation Voltage Input - Output	2.5kV_{eff}
Connection Type	Screw
L x W x H (mm)	88 x 6.1 x 97.8

Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-A2C2D-DCHART	1

Setting options/switch position

	Switch			
Output	**1**	**2**	**3**	**4**
4 … 20 mA	□	□	■	□
0 … 20 mA	■	□	■	□
0 … 10 V	■	■	□	■

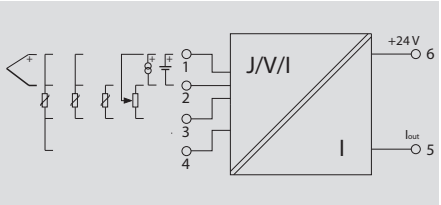
■ = on
□ = off

12

Passive Converter, Universal

- Output loop powered
- Programmable with PC
- Pluggable connection terminals
- Compact housing

	931U-C9A2C-OP
	
Specifications	***Passive Converter, Universal***
Standards Compliance	UL 61010-1, CSA 22.2 No. 1010.1-92, EN 50178:1997
Certifications	CE, cULus PICQ/7.E345550
Input Ratings	
Type	Universal signal isolator/amplifier, thermocouple, RTD
Type, Thermocouple	B / C / E / J / K / L / N / R / S / T / W3 / W5 -200...+ 2300 °C depending on thermocouple
Type, RTD	PT100/ 200, Ni100, CU100 (all 2-, 3-, 4-wire) -200...+850 °C deprnding on RTD
Current	-10…+20 mA (min. span 1 mA)
Voltage	-5...+10 V / -100...+200 mV (min. span 0.5 V / 4 mV)
Input Resistance	2 MΩ (Voltage input) or 40 Ω (current input)
Output Ratings	
Type	Current output
Current	4…20 mA
Load Resistance	[(Vs - 10) / 0.02] Ω (Typically 700 Ω @ 24V DC)
Transmit Function	Linear, $x_{1/2}$, $x_{3/2}$, $x_{5/2}$ or user defined curve (101 points)
Accuracy	Thermo: < ± 1%; RTD: < ± 0.5%; Resistance: < ± 0.1% of end value; DC < ± 0.1% of end value
General Specifications	
Supply Voltage	10…40 V DC, powered by loop current
Power Type	Output Loop Powered
Operating Temperature	-10 °C...+70 °C
Storage Temperature	-20 °C...+70 °C
Impulse Withstand Voltage	4 kV (1.2/50 µs)
Isolation Voltage	2 kV between ports
Rated Insulation Voltage	$300V_{eff}$
Connection Type	Screw
L x W x D (mm)	92.4 x 12.5 x 112.4
Signal Conditioner	Cat. No. / Pkg. Quantity
	931U-C9A2C-OP / 1



Connections

Terminal	Signal	
5	Loop –ve	Supply voltage
6	Loop +ve	
1	Signal + Power supply Sensor	Thermocouple
2	Signal + Power supply Storage (only for programming)	
1	A-Sense	4-wire PT100/RTD (or resistance)
3	A	
2	B	
4	B-Sense	
1	A-Sense	3-wire PT100/RTD (or resistance)
3	A	
2	B	
3	A	2-wire PT100/RTD (or resistance)
2	B	
1	Signal +	Voltage (mV or V)
2	Signal –	
1	Signal +	Current (mA)
2	Signal –	
3	A	Potentiometer
1	Wiper	
2	B	

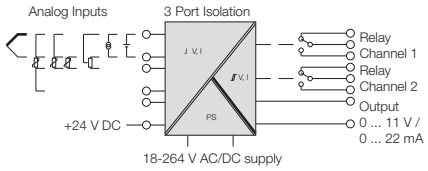
Active Converter, 3-Way, Universal

- Universal inputs
- Programmable with PC
- Loop-powered or passive mA input
- AC or DC supply

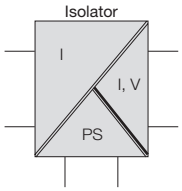
931U-C9C7C-BC

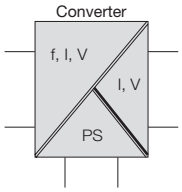
Specifications	***Active Converter, 3-way, Universal***
Standards Compliance	UL 508, CSA C22.2 No. 142-M198
Certifications	cULus, IND. CONT. EQIP. Also listed for HAZ. LOC. Areas Class 1, DIV. 2, Groups A, B, C, and D., CE, ATEX - Class 1, Zone 2
Input Ratings	
Type, Thermocouple	B, E, J, K, L, N, R, S, T (IEC 60584)
Type, RTD	PT100, PT1000, (EN 60571) Ni100, Ni1000, (JIS1604), Cu10, Cu25, Cu50, Cu100 (DIN 43760) 2-/3-/4-conductor
Potentiometer	100 Ω…100 kΩ
Resistance	10 Ω…5 kΩ
Frequency	2 Hz…100 kHz
Voltage	-200…500 mV (min. span 4 mV), -20…50V DC (min. span 0.5V)
Current	-20…50 mA (min. span 0.4 mA)
Current Loop Supply	24V DC / 22 mA
Accuracy	< 0.1 % span (DC, RTD); 0.2 % span (or 1 °C) + CJ error
Output Ratings - Analog	
Voltage	-10…+10V (adjustable - min. span 2.5V)
Current	0…20 mA (adjustable - min. span 5 mA)
Load Resistance Voltage	> 10 kΩ @ 0…10V / > 20 kΩ @ -10…+10V
Load Resistance Current	≤ 700 Ω
Transmit Function	Linear, $x_{1/2}$, $x_{3/2}$, $x_{5/2}$ or user-defined curve (101 points)
Output Ratings - Digital	
Type	2 x 1 CO contact (hard gold plated)
Max Switching Voltage	250V
Continuous Current	3 A
General Specifications	
Supply Voltage	18…264V AC/DC
Power Consumption	< 3.5 W
Operating Temperature	-40 °C…+70 °C
Storage Temperature	-40 °C…+85 °C
Rated Insulation Voltage	300V
Impulse Withstand Voltage	6 kV
Isolation Voltage	2.5 kV
Connection Type	Screw
L x W x D (mm)	92.4 x 45 x 112.4

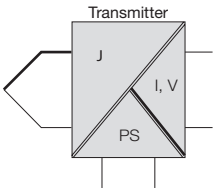
Signal Conditioner	Cat. No.	Pkg. Quantity
	931U-C9C7C-BC	1

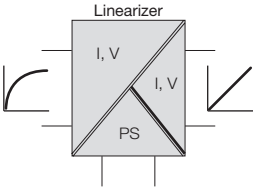


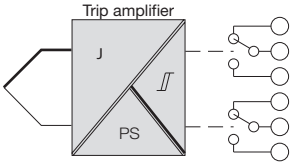
Typical functions











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Accessories

The table below indicates the accessories available for each signal conditioner.

Markers		Jumpers		End Barrier	Cable	Cat. No.
1492-M5X10	1492-M6X10	1492CJL5-2-*	1492-CJL6-*	931H-EB1	931U-CABLE	
High-Density Signal Conditioners						
	•		•			931H-A2A2N-DC
•						931H-A2C2D-DCHART
•						931H-C2C2D-DC
	•		•			931H-P2C1D-DC
	•		•			931H-T2C1D-DC
	•		•			931H-T1C1D-DC
	•		•	•		931H-A1A1N-IP
	•		•	•		931H-P2A2N-OP
Standard Signal Conditioners						
•						931S-A1A1N-IP1
•						931S-A1A1N-IP2
•						931S-A2A5N-OP
•		•				931S-A2A2N-DC
•		•				931S-A1A1N-DC
•						931S-C1A2D-OP
•						931S-C4C5D-BC
•		•				931S-P1C2D-DC
•		•				931S-T9C2D-DC
•		•				931S-F1C2D-DC
	•	•				931S-B1C6D-DC
	•	•				931S-A3C2D-DC
	•	•				931S-A3A2D-OP
						931S-A4C2D-DCHALL
	•	•				931S-V1R1D-MC1R
•		•				931S-C2R1D-DC2R
						931S-C3C3J-DC
Universal Signal Conditioners						
•					•	931U-C9A2C-OP
•					•	931U-C9C7C-BC

* For size and color, please see product selection tables below.

Snap-in Markers

Description	Markers Per Card	Marker Size	Pkg. Quantity	Cat. No.
Snap-in Markers	144	5 X 10 mm	5	**1492-M5X10**
Snap-in Markers	120	6 X 10 mm	5	**1492-M6X10**

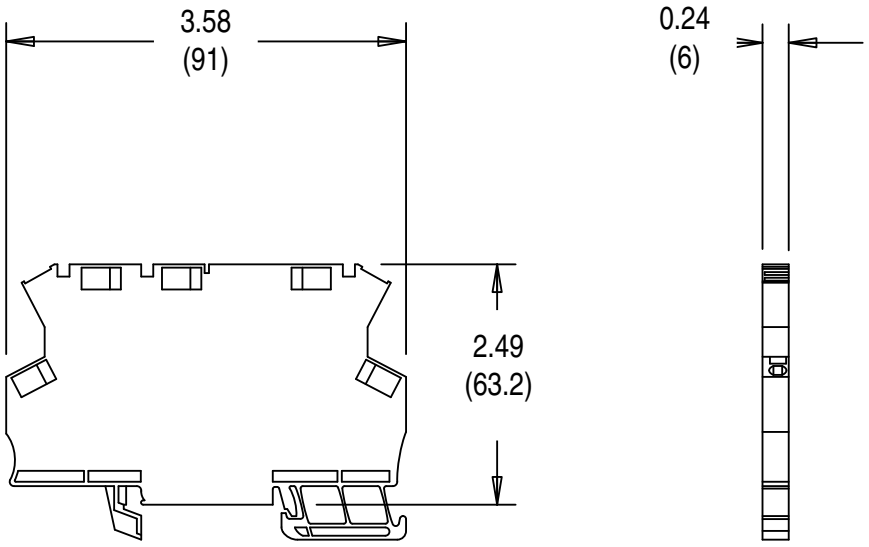
Plug-in Jumpers

Description	Color	Pkg. Quantity	Cat. No.
Plug-In Jumper, 2-pole, Yellow	Yellow	60	**1492-CJLJ5-2**
Plug-In Jumper, 2-pole, Red	Red	60	1492-CJLJ5-2-R
Plug-In Jumper, 2-pole, Blue	Blue	60	1492-CJLJ5-2-B
Plug-In Jumper, 2-pole, Black	Black	60	1492-CJLJ5-2-BL
Plug-In Jumper, 2-pole, Red	Red	60	1492-CJLJ6-2-R
Plug-In Jumper, 2-pole, Blue	Blue	60	1492-CJLJ6-2-B
Plug-In Jumper, 3-pole, Red	Red	60	1492-CJLJ6-3-R
Plug-In Jumper, 3-pole, Blue	Blue	60	1492-CJLJ6-3-B
Plug-In Jumper, 10-pole, Red	Red	20	**1492-CJLJ6-10-R**
Plug-In Jumper, 10-pole, Blue	Blue	20	**1492-CJLJ6-10-B**
Plug-In Jumper, 41-pole, Red	Red	10	**1492-CJLJ6-41-R**
Plug-In Jumper, 41-pole, Blue	Blue	10	1492-CJLJ6-41-B

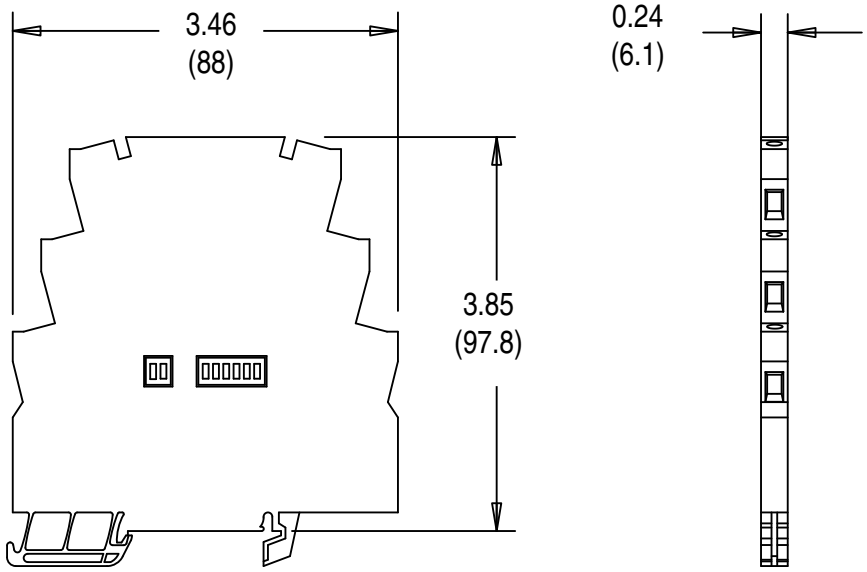
Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

- 931H-A1A1N-IP
- 931H-P2A2N-OP



- 931H-A2A2N-DC
- 931H-A2C2D-DCHART
- 931H-C2C2D-DC
- 931H-P2C1D-DC
- 931H-T1C1D-DC
- 931H-T2C1D-DC



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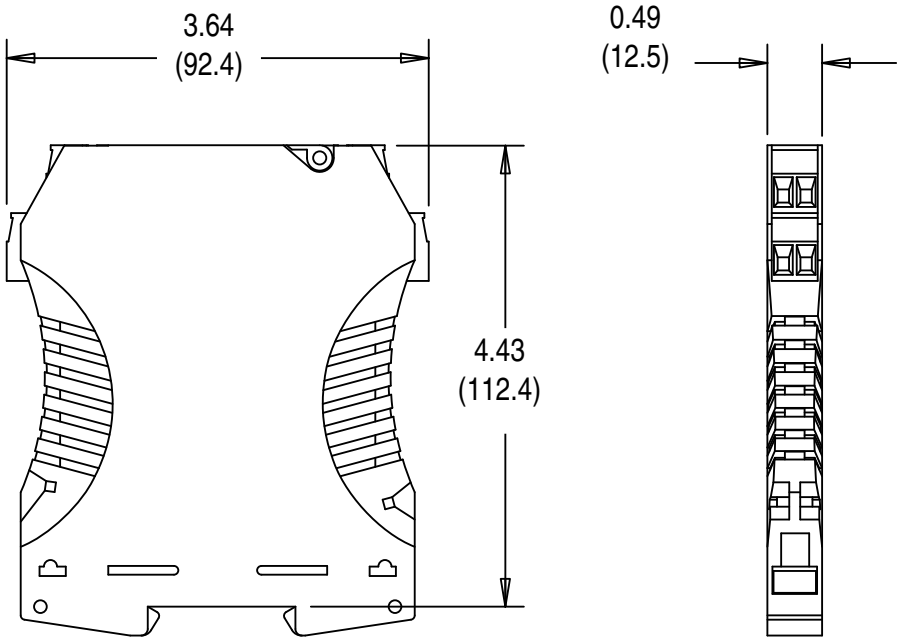
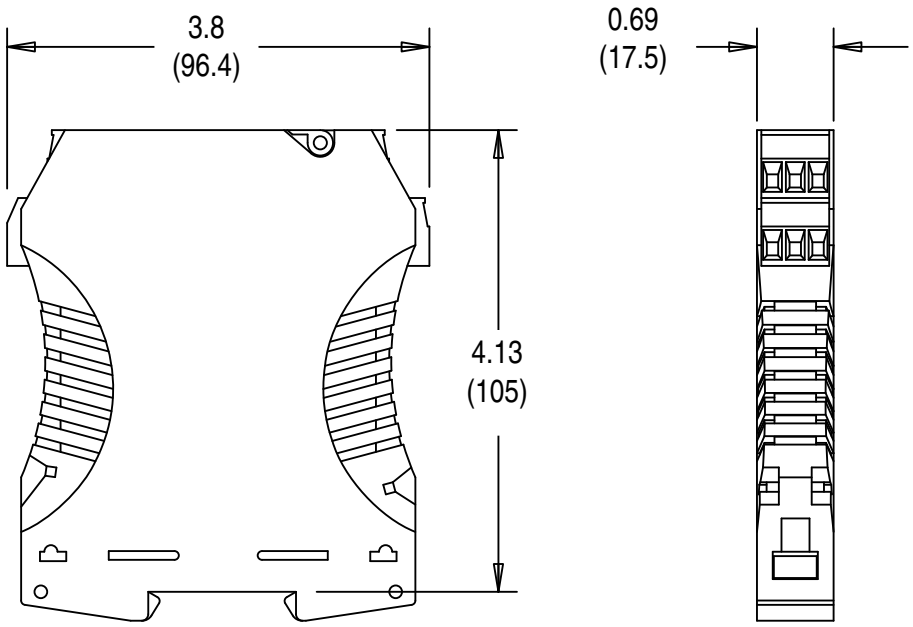
Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

- 931S-A2A2N-DC
- 931S-C3C3J-DC
- 931S-C4C5D-BC
- 931S-F1C2D-BC
- 931U-C9A2C-OP



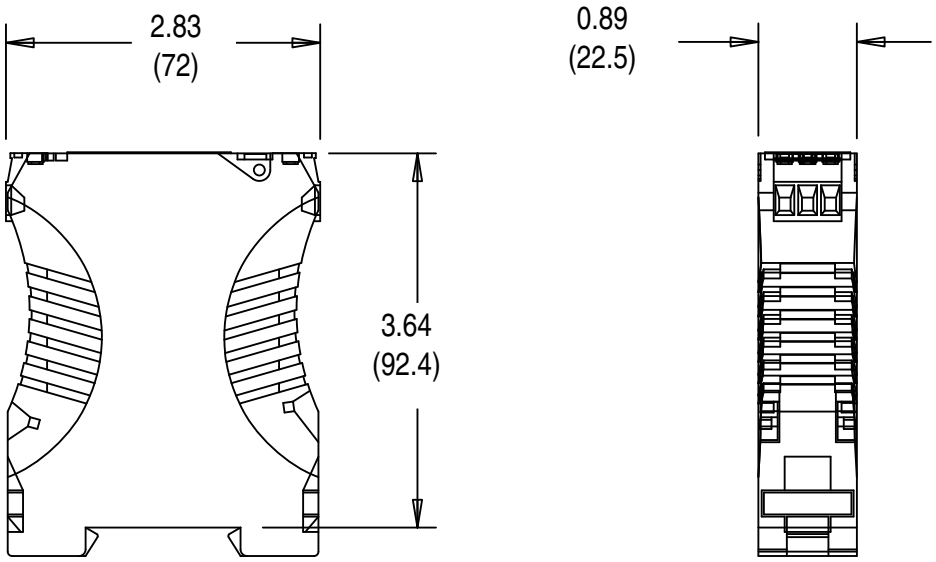
- 931S-B1C6D-DC
- 931S-C1A2D-OP
- 931S-C2R1D-DC2R
- 931S-P1C2D-DC
- 931S-A1A1N-DC
- 931S-A1A1N-IP1
- 931S-A1A1N-IP2
- 931S-A2A5N-OP
- 931S-T9C2D-DC
- 931S-V1R1D-MC1R



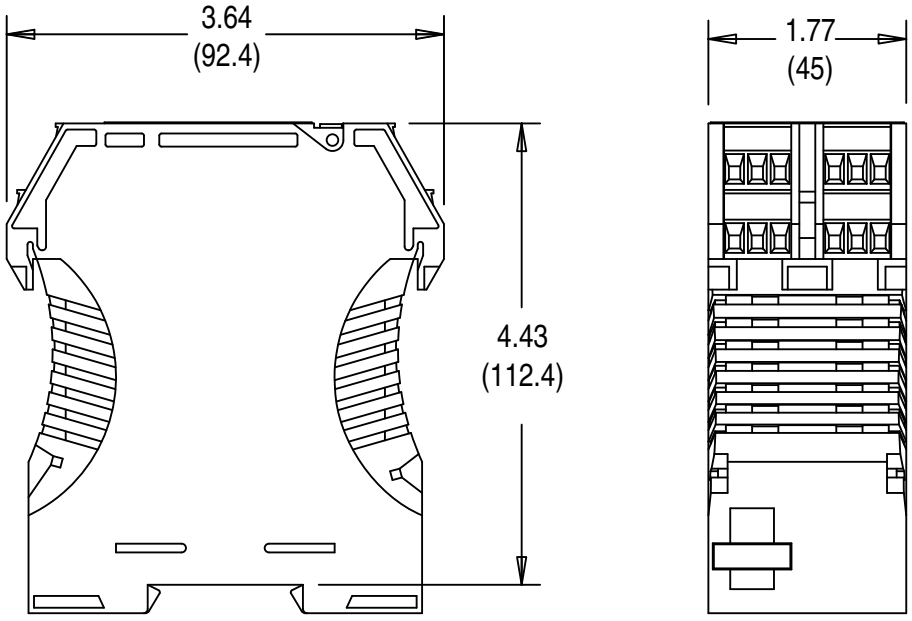
Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

- 931S-A3A2D-OP
- 931S-A3C2D-DC
- 931S-A4C2D-DCHALL



- 931U-C9C7C-BC



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