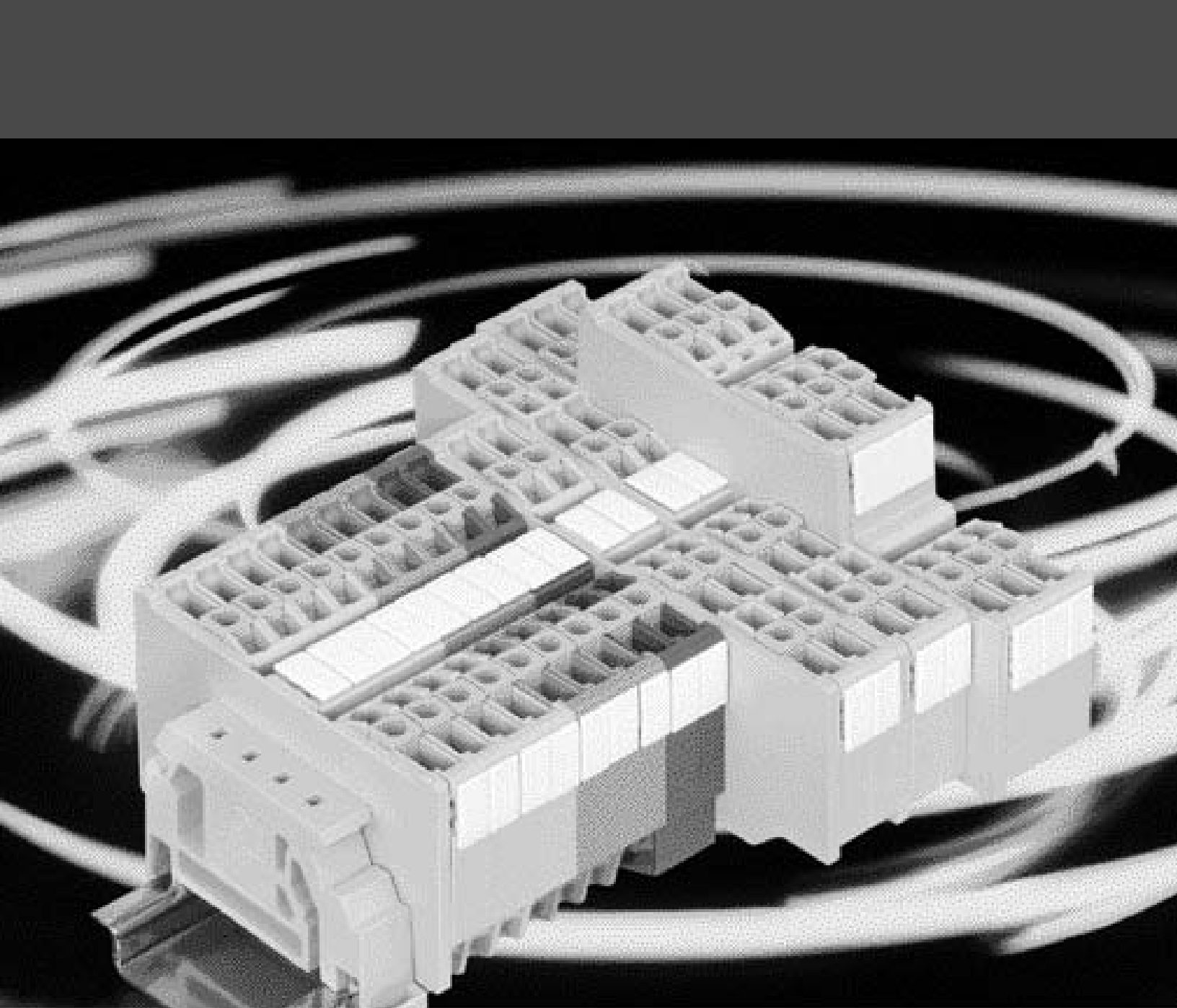




Insulation Displacement Connection Simple and Quick Termination Solution



Bulletin 1492K

**Rockwell
Automation**

Rockwell Automation introduces the Allen-Bradley Bulletin 1492-K family of Insulation Displacement Connection (IDC) terminal blocks. IDC is a termination technology in which a metal blade pierces the wire insulation; an electrical connection is made through the cutting surface and the wire is held in place by a powerful spring force. Long used in the telecommunications and electronics industries, IDC technology has now been industrially strengthened to meet the growing needs of speed and reliability.

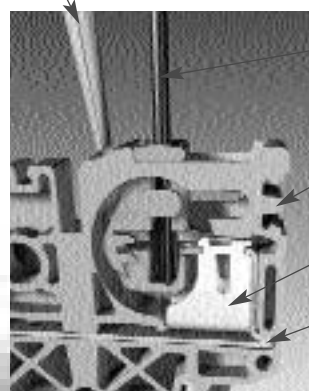
Simple to Install and Use

Terminate the wire with only one tool, a flat blade screwdriver. The termination technology used in the 1492-K pierces the wire insulation before opening the wire connection surface, reducing stress and ensuring a reliable connection every time. Removing the wire is just as simple as installing a wire.

Fast to Wire...Saving Time and Money

This system offers 60% or greater time savings over the traditional screw process by completely eliminating insulation stripping from the terminal block wiring processes. No screws mean never having to retighten connections by using the 1492-KWC wire cutter (which can be mounted on a screwdriver), all the tools needed to terminate wire are in the palm of the hand.

Narrow, flat-blade screwdriver



Solid or stranded wire

Top and side marking surfaces

Stainless steel spring for strong, reliable contact force

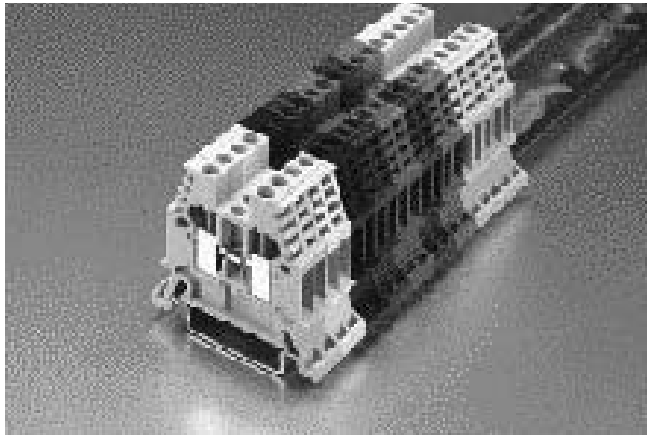
Copper current carrying material for low electrical resistance

Reliable and Secure Connection

By using a two-piece cutting and connection system, Allen-Bradley's IDC terminal blocks provide the secure connection needed for most applications. The cutting surface and current-carrying member is made from tin-plated copper resulting in low voltage drop and reliable corrosion resistance. The spring is made from stainless steel for the strength and reliability needed to secure the wire. It's the best of both worlds...a secure electrical and mechanical connection.

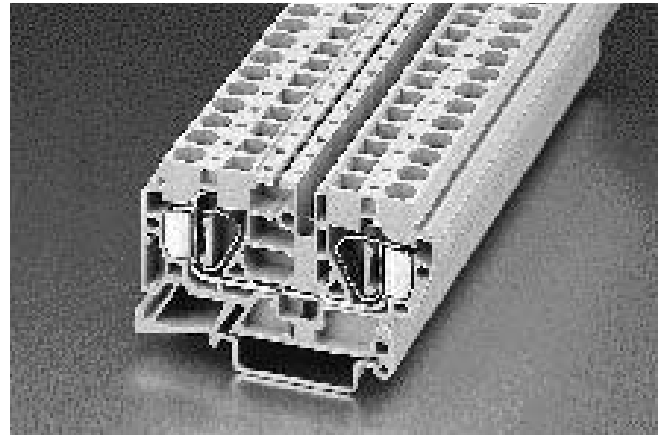
Of course these terminals have everything expected from a world-class supplier of industrial automation solutions – UL recognized, CSA, IEC and CE certified, with many other approvals. This broad range of terminal configurations and accessories ensure a simple, quick termination solution.





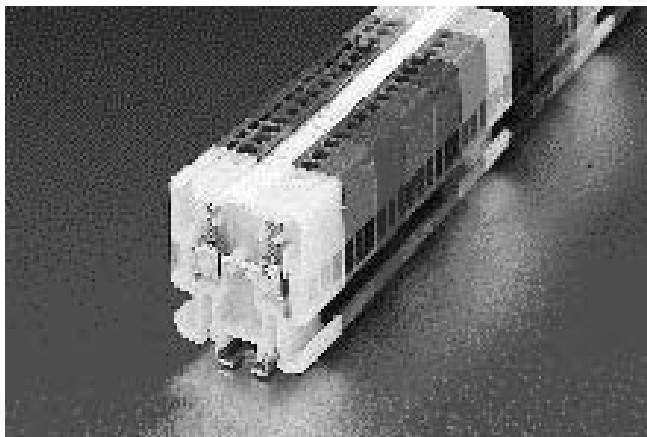
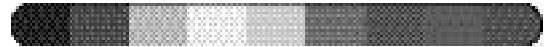
IEC Terminal Blocks

Our IEC Terminal Blocks meet recognized international IEC standards. These finger-safe blocks are designed for DIN rail mounting and have nickel-plated current bars for excellent corrosion resistance. You get the flexibility you need with a full range of accessories, and speciality blocks. Available in 9 different colors.



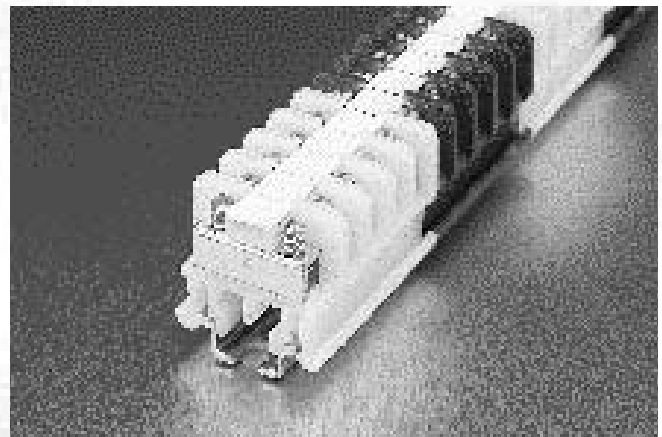
QuickClamp™ Terminal Blocks

Use QuickClamp™ Terminal blocks for a no-screws, high density, finger-safe solution that offers significant savings in wiring time. Wire with a flat-head screwdriver for maintenance-free connections. Because connections are clamp-secure, these blocks are well suited for vibration conditions. Available in 9 different colors.



Bulletin 1492H Finger-Safe Blocks

For flexibility in mounting plus a finger-safe solution, Bulletin 1492H terminal blocks provide both. They mount on DIN and Allen-Bradley rails and feature recessed components for added protection. They're also a practical choice for high-density applications with up to 100 terminations per foot. Available in 11 different colors.

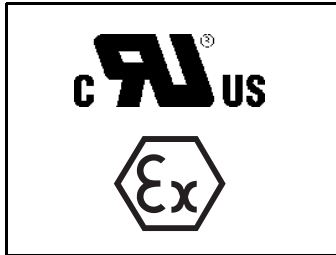


NEMA Terminal Blocks

NEMA Terminal blocks feature open-style construction for easy wiring, easy visual verification, and easy marking. Available in 11 different colors.

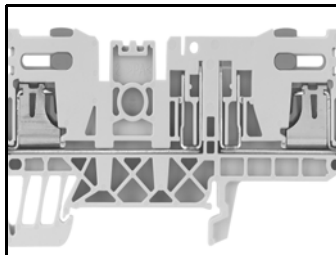


Insulation Displacement Terminal Blocks require no wire stripping to make an electrical connection.



Technical Data

- Regulatory Approvals **Page 8**
- Proper Wire Insertion/Removal Techniques **Page 9**
- Wire Insulation Types **Page 12**
- Diode, Surge Suppressor and Fuse Plug Specifications **Page 26**



Bulletin 1492-K

- Insulation Displacement Connection (IDC) Terminal Blocks **Page 15**



Accessories

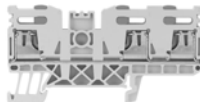
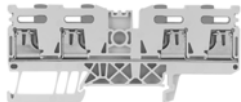
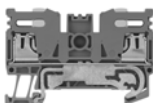
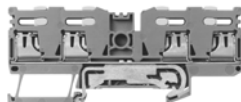
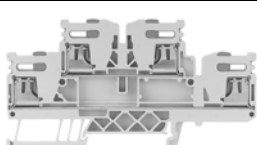
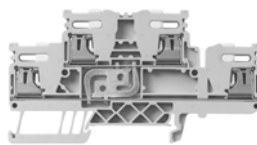
Page 22

Bulletin 1492-K

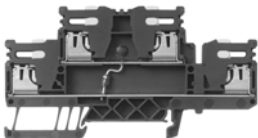
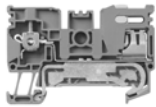
IDC Terminal Blocks

Selection Overview

Terminal Blocks

	Description	Maximum Wire		Cat. No.	Available Colors	Page
		mm ²	AWG			
Feedthrough Terminal Blocks						
	Two Terminals, feedthrough	1.5	16	1492-K2	Gray, Blue	15
		2.5	14	1492-K3		
	Three Terminals, feedthrough	1.5	16	1492-K2T	Gray, Blue	15
		2.5	14	1492-K3T		
	Four Terminals, feedthrough	1.5	16	1492-K2Q	Gray, Blue	16
		2.5	14	1492-K3Q		
Ground Terminal Blocks						
	Two Terminals, ground	1.5	16	1492-KG2	Yellow/Green	17
		2.5	14	1492-KG3		
	Three Terminals, ground	1.5	16	1492-KG2T	Yellow/Green	17
		2.5	14	1492-KG3T		
	Four Terminals, ground	1.5	16	1492-KG2Q	Yellow/Green	18
		2.5	14	1492-KG3Q		
Disconnect and Fusible Blocks						
	Knife Disconnect	1.5	16	1492-K2KD	Gray	18
		2.5	14	1492-K3KD		
	Pluggable (for use with fuse plug)	1.5	16	1492-K2P	Gray	19
		2.5	14	1492-K3P		
Dual Level Blocks						
	Dual Level, Dual Circuit	1.5	16	1492-KD2	Gray, Blue	20
	Dual Level, Single Circuit	1.5	16	1492-KD2C	Gray, Blue	

Terminal Blocks, Continued

	Description	Maximum Wire		Cat. No.	Available Colors	Page
		mm ²	AWG			
Electrical Component Blocks						
	Diode Forward	1.5	16	1492-KD2DF	Black	20
	Diode Reverse	1.5	16	1492-KD2DR	Black	
	Surge Suppressor	1.5	16	1492-KD2SS	Black	
Hybrid Terminal Blocks						
	Hybrid (IDC/screw)	1.5 / 4	16 / 12	1492-KW2	Gray, Blue	21
		2.5 / 6	14 / 10	1492-KW3	Gray, Blue	21
	Hybrid Ground (IDC/screw)	1.5 / 4	16 / 12	1492-KWG2	Yellow/Green	21
		2.5 / 6	14 / 10	1492-KWG3	Yellow/Green	21

Bulletin 1492-K
IDC Terminal Blocks
Selection Overview, Continued

Accessories

End Barriers

	Description	Cat. No.	Available Colors	Used with Cat. No.	Page
	End Barriers — Protects open side of terminals from electrical contact.	1492-EBK2	Gray, Blue, Yellow	1492-K2	22
				1492-KG2	
				1492-KW2	
				1492-KWG2	
		1492-EBK2T	Gray, Blue, Yellow	1492-K2T	
				1492-KG2T	
				1492-K2KD	
				1492-K2P	
		1492-EBK2Q	Gray, Blue, Yellow	14982-K2Q	
				1492-KG2Q	
				1492-KD2	
				1492-KD2C	
		1492-EBK2D	Gray, Blue	1492-KD2DR	
				1492-KD2DF	
				1492-KD2SS	
				1492-K3	
		1492-EBK3	Gray, Blue, Yellow	1492-KG3	
				1492-KW3	
				1492-KWG3	
				1492-K3T	
		1492-EBK3T	Gray, Blue, Yellow	1492-KG3T	
				1492-K3KD	
				1492-K3P	
				1492-K3Q	
		1492-EBK3Q	Gray, Blue, Yellow	1492-KG3Q	

Center Jumpers

	Description	Cat. No.	Used with Cat. No.	Page
	Center Jumper — Used to electrically connect adjacent terminal blocks.	1492-CJK5 ❶	1492-K2	24
			1492-KW2	
			1492-K2T	
			1492-K2KD	
			1492-K2P	
			14982-K2Q	
			1492-KD2	
			1492-KD2C	
			1492-KD2DR	
			1492-KD2DF	
			1492-KD2SS	
		1492-CJK6 ❶	1492-K3	
			1492-KW3	
			1492-K3T	
			1492-K3KD	
			1492-K3P	
			1492-K3Q	

❶ Available in -2 through -10 poles. Add number of poles desired to complete catalog number.

Accessories, Continued

Additional Accessories

	Description	Cat. No.	Used with Cat. No.	Page
	Markers — Used for terminal identification	1492-MS5X5	All 1492-FPK2 Fuse Plugs	27
		1492-SM5X10	All 1492-K*2 terminal blocks	
		1492-SM6X10	All 1492-K*3 terminal blocks	
	Protective Stops — must be used to secure smaller wires (< #20 AWG) in 1492-K2 style terminal block	1492-PSK2	All 1492-K*2 terminal blocks	23
	Marker Adapter — Used to accommodate markers on two level blocks	1492-MAK2	1492-KD2	27
	Fuse Plugs — Accepts 5 X 20 mm fuses. Inserts into 1492-K2P and 1492-K3P terminals	1492-FPK2	No blown fuse indication	22
		1492-FPK224	10...36V blown fuse indication	
		1492-FPK248	35...70V blown fuse indication	
		1492-FPK2120	60...150V blown fuse indication	
		1492-FPK2250	140...250V blown fuse indication	
	Test Plugs	1492-TPK2	All 1492-K*2 terminal blocks	24
		1492-TPK2E (end piece, without nibs)	All 1492-K*2 terminal blocks	
		1492-TPK3	All 1492-K*3 terminal blocks	
		1492-TPK3E (end piece, without nibs)	All 1492-K*3 terminal blocks	
	Wire Cutter — Mounts on 1492-N90 screwdriver	1492-KWC	Solid or stranded wire up to 2.5 mm ² (# 14 AWG)	23

Bulletin 1492-K

IDC Terminal Blocks

Approvals

Regulatory Approvals

Allen-Bradley 1492-K IDC terminal blocks 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 approvals and ratings.



UL (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 and Canadian Standards:

- UL 486E — Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors
- UL 1059 — Standard for Terminal Blocks
- UL 2279 — Standard for Electrical Equipment for Use in Class I, Zone 0, 1, and 2 Hazardous (Classified) Locations
- CSA 22.2 No. 158 — Terminal Blocks
- E79-0-95 — Electrical Apparatus for Explosive Atmospheres — Part 0 — General Requirements
- E79-7-95 — Electrical Apparatus for Explosive Atmospheres — Part 7 — Increased Safety “e”

Reference UL files E40735, E187022 (Class 1, Zone 1)



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

- CSA 22.2 No. 158 — Terminal Blocks

Reference CSA file pending.



Terminal blocks listed in this catalog with IEC ratings 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 — Safety requirements for fuse terminal blocks



Ex e II — The devices^❶ listed below have “Ex e II” ratings and meet the following European Norms per KEMA, an Approval Certification Body for the European Union:

- EN 50014 — Electrical Apparatus for Potentially Explosive Atmospheres — General Requirements
- EN 50019 — Electrical Apparatus for Potentially Explosive Atmospheres — Increased Safety “e”

Details exist in KEMA Certificate 02ATEX2243U.

❶ All 1492-K2 terminals except 1492-K2KD, 1492-K2P, 1492-KD2SS, 1492-KD2DF, 1492-KD2DR.
1492-K3 pending.

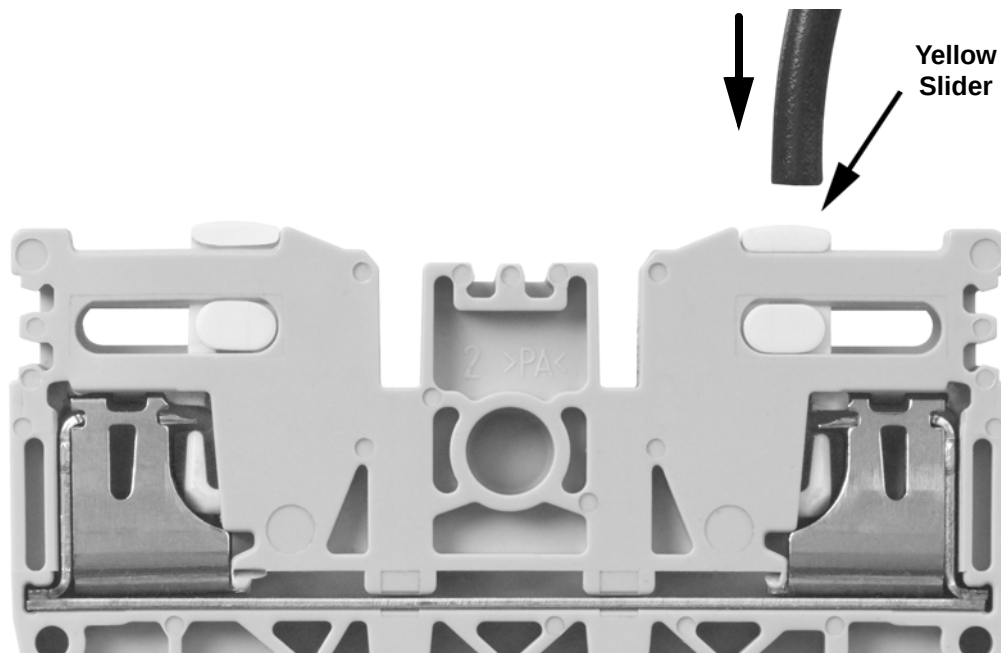
Installing and removing wires from the Bulletin 1492-K IDC terminal blocks is quick and easy, although a brief instruction will make your wiring experience more rewarding.



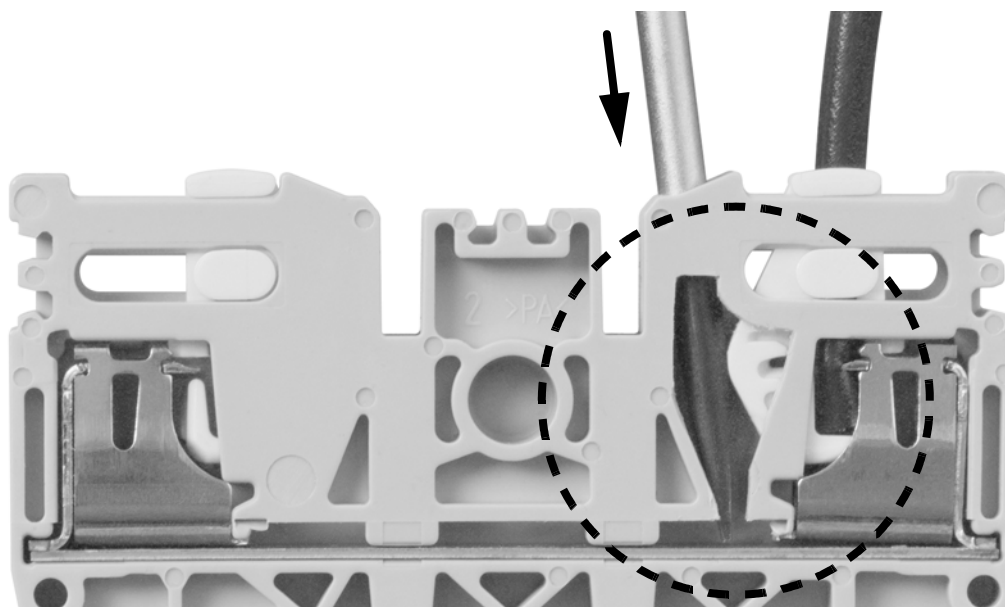
ATTENTION: To prevent electrical shock, disconnect from the power source before installing or servicing.

To install wires, follow these instructions:

1. Ensure that the wire is of proper specification (see page for wire specifications). Do not use wire that has been crimped, soldered, ferruled or previously terminated unless the end piece has been cut off. Use the Allen-Bradley 1492-KWC wire cutter for this purpose.
2. Insert the wire straight into the hole in the yellow slider (see below). Make sure that the wire bottoms out in the slider.



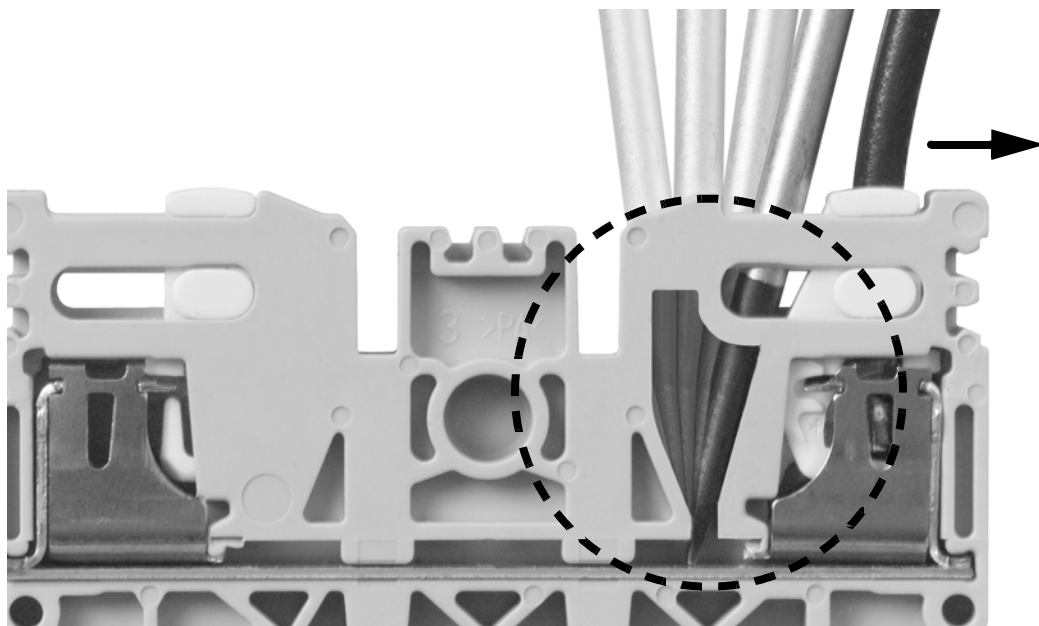
3. Insert a screwdriver (blade width 3.0 - 3.5mm) straight down into the opening immediately to the inside of the yellow slider. Allen-Bradley Bulletin 1492-N90 is perfect for this application. Make sure the screwdriver bottoms out. You should feel and hear the screwdriver touching the bottom of the terminal block housing (see below).



IDC Terminal Blocks

Proper Wire Installation and Removal, Continued

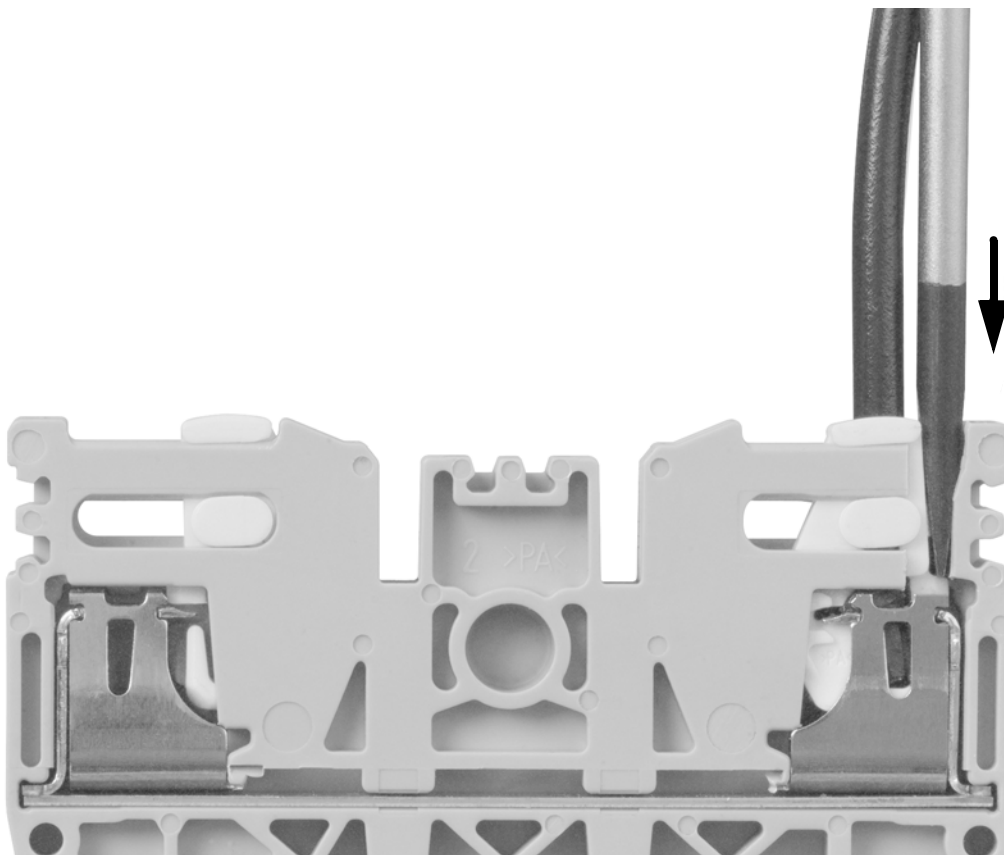
4. Move the screwdriver blade toward the outside of the block (see below). When the wire has been properly terminated, you will feel tactile feedback that the IDC blades have engaged the wire and pierced the insulation.



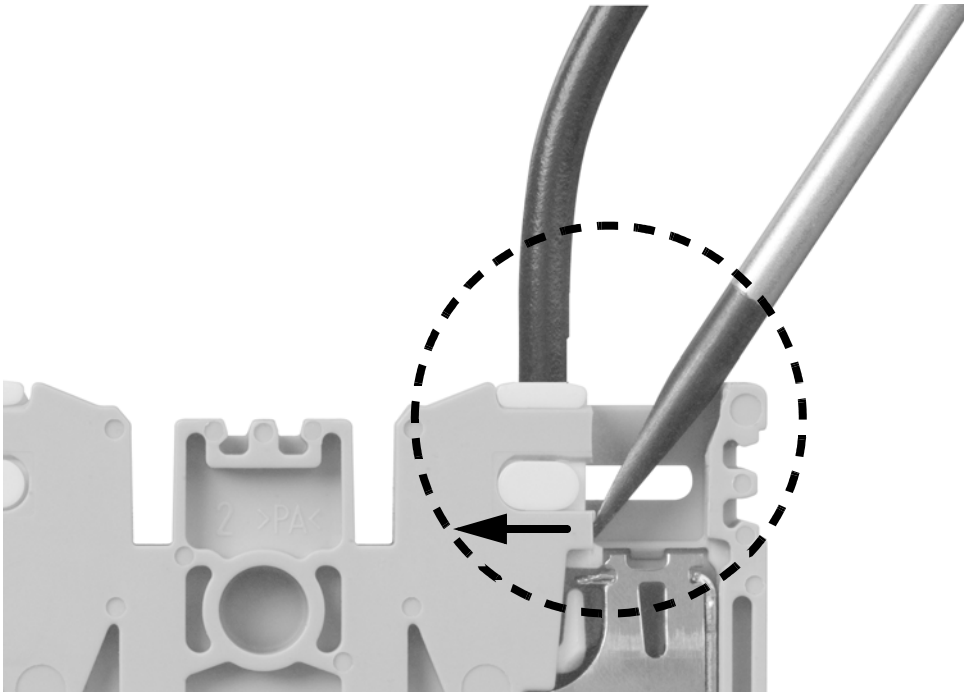
5. Remove the screwdriver.

To remove terminated wires, follow these instructions:

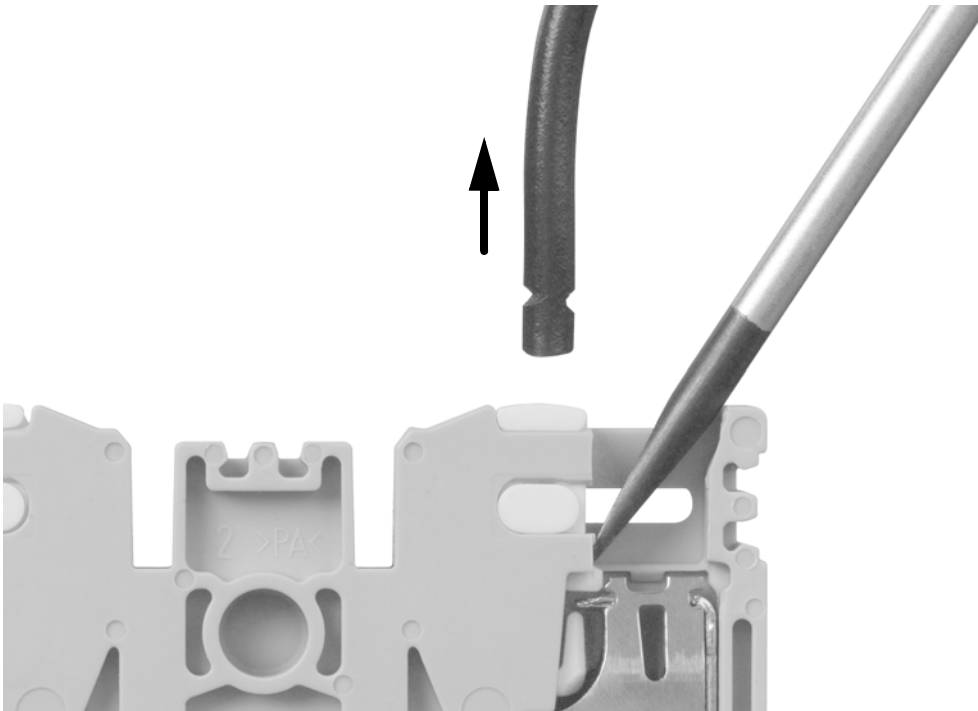
1. Insert the screwdriver straight down into the opening immediately to the outside of the yellow slider about ½" or 12 mm (see below).



2. Move the screwdriver blade toward the outside of the block until the slider returns to its original position (see below).



3. Remove the screwdriver. Remove the wire by pulling it straight out (see below).



Bulletin 1492-K

IDC Terminal Blocks

Tested Wires Table

Tested Wires

Following is a partial list of wires tested with the Allen-Bradley 1492-K2 terminal blocks and found to be acceptable. Contact your local Allen-Bradley sales representative for other wires.

Note: Circuit Temperature: 0... +60°C (or higher)

Conductor	Wire gauge	Manufacturer	InsI	Comment
AWG 18	AWG 18 (16)	A.I.W. Corpora-tion	PVC/PA	UL AWM Style 1316
AWG 18	AWG 18 (16)	A.I.W. Corpora-tion	PVC	UL AWM Style 1015
AWG 18	AWG 18 (16)	A.I.W. Corpora-tion	PVC	UL AWM Style 1061
AWG 16	AWG 16 (26)	Alpha Wire	PVC	UL AWM Style 1569
AWG 18	AWG 18 (16)	Alpha Wire	PVC	UL AWM Style 1569
AWG 20	AWG 20 (10)	Alpha Wire	PVC	UL AWM Style 1569
AWG 16	AWG 16 (19)	Alpha Wire	VCX	UL AWM Style 1429
AWG 22	AWG 22 (7)	Belden	PTFE	UL AWM Style 1180
AWG 16	AWG 16 (26)	Belden	PVC	UL AWM Style 1569
AWG 16	AWG 16 (16)	Belden	PVC	MIL-W-16878/1
AWG 18	AWG 18 (7)	Belden	PVC	MIL-W-16878/1
AWG 20	AWG 20 (7)	Belden	PVC	UL AWM Style 1569
AWG 20	AWG 20 (10)	Belden	PVC	UL AWM Style 1569
AWG 22	AWG 22 (7)	Belden	PVC	UL AWM Style 1569
AWG 24	AWG 24 (7)	Belden	PVC	UL AWM Style 1569
R	1.5 mm ²	BICC Cables / Habia	PVC	BS6491X
Purwil	1.5 mm ²	Brugg Kabel	PUR	--
LiYv	1.5 mm ²	Bruns	PVC	--
AWG 16	AWG 16 (25)	Carol	PVC	--
H05V-K	0.5 mm ²	Cavicondor	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Cavicondor	PVC	DIN VDE 0281 T.3
AWG 20	AWG 20 (7)	Dixiewire	PVC	UL AWM Style 1007
AWG 20	AWG 20 (7)	Dover Elevators	PVC	UL AWM Style 1007
AWG 18	AWG 18 (19)	Draka (Rein-shagen)	PTFE	--
AWG 22	AWG 22 (19)	Draka (Rein-shagen)	PTFE	--
AWG 24	AWG 24 (19)	Draka (Rein-shagen)	PTFE	--
AWG 24	AWG 24 (1)	Draka (Rein-shagen)	PTFE	--
AWG 22	AWG 22 (19)	Draka (Rein-shagen)	PVC	--
H05V-K	0.75 mm ²	Draka Kabel	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Elettrocavi	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Elettrocavi	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Elettrocavi	PVC	DIN VDE 0281 T.3
AWG 20	0.5 mm ²	Habia	ETFE	--
AWG 20	0.5 mm ²	Habia	ETFE	--
LiYv	1.5 mm ²	Helektra	PVC	VDE 0812
Radox GKW-LW	2.5 mm ²	Huber & Suhner	PP/PEEK	--
Radox GKW-LW	1.5 mm ²	Huber & Suhner	PP/PEEK	--
Radox GKW-LW	1 mm ²	Huber & Suhner	PP/PEEK	--
Radox GKW-LW	0.75 mm ²	Huber & Suhner	PP/PEEK	--
Radox GKW-LW	0.5 mm ²	Huber & Suhner	PP/PEEK	--
Radox 125	1.5 mm ²	Huber & Suhner	E/P-V	--
Radox 125	0.75 mm ²	Huber & Suhner	E/P-V	--
Radox 125	0.5 mm ²	Huber & Suhner	E/P-V	--
Radox 125	0.25 mm ²	Huber & Suhner	E/P-V	--
Radox 3GKW	0.5 mm ²	Huber & Suhner	EPR	--
H05V-K	0.5 mm ²	I.R.C.E.	PVC	DIN VDE 0281 T.3
--	0.25 mm ²	ifm electronic	??	--
Art.-Nr. E 10191	AWG 22 (19)	ifm electronic	PVC	UL AWM Style 2654

Conductor	Wire gauge	Manufacturer	InsI	Comment
Art.-Nr. E 10700	0.25 mm ²	ifm electronic	PVC	--
Art.-Nr. E 10702	0.25 mm ²	ifm electronic	PVC	--
Art.-Nr. E 10773	0.25 mm ²	ifm electronic	PVC	--
Art.-Nr. E 10904	0.25 mm ²	ifm electronic	PVC	--
Art.-Nr. E 10956	0.35 mm ²	ifm electronic	PVC	--
Art.-Nr. E 10296	0.34 mm ²	ifm electronic	VCX	--
Art.-Nr. E 10962	0.34 mm ²	ifm electronic	HDPE	--
Art.-Nr. E 10900	0.25 mm ²	ifm electronic	PP	--
Chainflex CF9	1.5 mm ²	Igus	TPE	--
Chainflex CF9	1 mm ²	Igus	TPE	--
Chainflex CF9	0.75 mm ²	Igus	TPE	--
Chainflex CF9	0.5 mm ²	Igus	TPE	--
Chainflex CF9	0.25 mm ²	Igus	TPE	--
Chainflex CF130	1.5 mm ²	Igus	PVC	--
Chainflex CF130	1 mm ²	Igus	PVC	--
Chainflex CF130	0.75 mm ²	Igus	PVC	--
Chainflex CF130	0.5 mm ²	Igus	PVC	--
Chainflex CF170	1.5 mm ²	Igus	PVC	--
Chainflex CF170	1 mm ²	Igus	PVC	--
Chainflex CF170	0.75 mm ²	Igus	PVC	--
Chainflex CF5	1.5 mm ²	Igus	PVC	--
Chainflex CF5	1 mm ²	Igus	PVC	--
Chainflex CF5	0.75 mm ²	Igus	PVC	--
Chainflex CF5	0.5 mm ²	Igus	PVC	--
1TX S 20-1	AWG 20 (1)	Isotec	PTFE	MIL-W-16878/4
1TX S 20-19	AWG 20 (19)	Isotec	PTFE	MIL-W-16878/4
1TX S 20-7	AWG 20 (7)	Isotec	PTFE	MIL-W-16878/4
Kaweflex 3230	0.75 mm ²	Kabel Wächter	TPE	--
LiYv	0.5 mm ²	Kabeltronik	PVC	--
H07V-K	1.5 mm ²	Kabelwerk Eupen	PVC	DIN VDE 0281 T.3
07V-K	AWG 22 (7)	Kabelwerk Meis-sen	??	UL AWM Style 1015
07V-K	AWG 20	Kabelwerk Meis-sen	??	UL AWM Style 1015
H07V2-K	1.5 mm ²	Kabelwerk Meis-sen	??	DIN VDE 0281 T.3
03V-K	AWG 20 (18)	Kabelwerk Meis-sen	PVC	UL AWM Style 1569
03V-K	AWG 18 (28)	Kabelwerk Meis-sen	PVC	UL AWM Style 1569
07V-K	AWG 20 (18)	Kabelwerk Meis-sen	PVC	UL AWM Style 1015
07V-K	AWG 18 (28)	Kabelwerk Meis-sen	PVC	UL AWM Style 1015
AWG 18	AWG 18 (32)	Kabelwerk Meis-sen	PVC	UL AWM Style 1007
H05V-K	AWG 18 (32)	Kabelwerk Meis-sen	PVC	UL AWM Style 1015

Tested Wire Table, Continued

Conductor	Wire gauge	Manufacturer	Insul	Comment
H05V-K	1 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-K	0.75 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Kabelwerk Meissen	PVC	BS 6004
H05V-U	1 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-U	1 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-U	0.75 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H05V-U	0.5 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H07V-U	1.5 mm ²	Kabelwerk Meissen	PVC	DIN VDE 0281 T.3
H07G-K	1.5 mm ²	Kabelwerk Meissen (Siemens)	Gummi	DIN VDE 0282 T.7
H07G-K	1 mm ²	Kabelwerk Meissen (Siemens)	Gummi	DIN VDE 0282 T.7
LYQJ	0.5 mm ²	Kablo Elektro	PVC	ON 34 7565
LYQJ	0.5 mm ²	Kablo Elektro	PVC	--
LYQJ	0.35 mm ²	Kablo Elektro	PVC	--
FLRY-A	0.35 mm ²	KBE	PVC	--
H05V-K	0.75 mm ²	KBE	PVC	--
H05V-K	0.5 mm ²	KBE	PVC	--
H05V-U	0.75 mm ²	KBE	PVC	--
H07V-K	1.5 mm ²	KBE	PVC	--
H07V-K	1 mm ²	KBE	PVC	--
H05V-K	0.5 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H05V-U	1 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H05V-U	0.75 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H07V-U	1.5 mm ²	Kordes	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Krania	PVC	DIN VDE 0281 T.3
H05V-U	0.5 mm ²	Krania	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	La Triveneta	PVC	DIN VDE 0281 T.3
Ölflex 110 H	1.5 mm ²	Lapp Kabel	Halogenfrei	VDE 0245/0281
Ölflex 110 H	1 mm ²	Lapp Kabel	Halogenfrei	VDE 0245/0281
Ölflex 110 H	0.75 mm ²	Lapp Kabel	Halogenfrei	VDE 0245/0281
Ölflex 110 H	0.5 mm ²	Lapp Kabel	Halogenfrei	VDE 0245/0281
Ölflex 440 P	1.5 mm ²	Lapp Kabel	TPE	VDE Reg.-Nr. 6582
Ölflex 440 P	1 mm ²	Lapp Kabel	TPE	VDE Reg.-Nr. 6582
Ölflex 440 P	0.75 mm ²	Lapp Kabel	TPE	VDE Reg.-Nr. 6582
Ölflex 440 P	0.5 mm ²	Lapp Kabel	TPE	VDE Reg.-Nr. 6582
H05VV-F	1.5 mm ²	Lapp Kabel	PVC	DIN VDE 0281 T.5
H05VV-F	1.5 mm ²	Lapp Kabel	PVC	DIN VDE 0281 T.5
Ölflex 190	1 mm ²	Lapp Kabel	PVC	--
Ölflex 190 CY	0.5 mm ²	Lapp Kabel	PVC	--
Ölflex Classic 100	1.5 mm ²	Lapp Kabel	PVC	VDE 0245/0281
Ölflex Classic 100	0.5 mm ²	Lapp Kabel	PVC	VDE 0245/0281
PUR-TPE-E - Sonderltg.	1.5 mm ²	Lapp Kabel	TPE-E	--
PUR-TPE-E - Sonderltg.	0.5 mm ²	Lapp Kabel	TPE-E	--
FLRY-B	0.35 mm ²	Leoni	PVC	--
H05V-K	1 mm ²	Leoni	PVC	DIN VDE 0281 T.3

Conductor	Wire gauge	Manufacturer	Insul	Comment
H05V-K	0.75 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H05V-U	1 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H05V-U	0.75 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H05V-U	0.5 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H05V2-K	1 mm ²	Leoni	PVC	DIN VDE 0281 T.7
H05V2-K	0.75 mm ²	Leoni	PVC	DIN VDE 0281 T.7
H05V2-U	1 mm ²	Leoni	PVC	DIN VDE 0281 T.7
H05V2-U	0.75 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H05V2-U	0.5 mm ²	Leoni	PVC	--
H07V-K	1.5 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H07V-U	1.5 mm ²	Leoni	PVC	DIN VDE 0281 T.3
H07V2-K	1.5 mm ²	Leoni	PVC	DIN VDE 0281 T.7
H07V2-U	1.5 mm ²	Leoni	PVC	DIN VDE 0281 T.7
FLRY-A	0.35 mm ²	Leoni (Siemens)	PVC	--
FLRY-B	0.35 mm ²	Leoni (Siemens)	PVC	--
--	0.25 mm ²	Lumberg	??	--
--	0.25 mm ²	Lumberg	PVC	--
--	0.25 mm ²	Lumberg	PVC	--
--	0.25 mm ²	Lumberg	PVC	--
Art.-Nr. PRKT 5-56/25m P38	0.35 mm ²	Lumberg	PVC	--
Art.-Nr. PRKWT 4-07/5m P63	0.25 mm ²	Lumberg	PVC	--
Art.-Nr. RKT 3U-18/5m P65	AWG 22 (19)	Lumberg	PVC	UL AWM Style 2654
--	0.34 mm ²	Lumberg	VCX	--
Art.-Nr. RKWT 4-247/2m P13	0.25 mm ²	Lumberg	PP	--
AWG 20	AWG 20 (19)	Medi	PVC	UL AWM Style 1569
MX 20-1932	AWG 20 (19)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
MX 20-728	AWG 20 (7)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX 20-120	AWG 20 (1)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX 24-124	AWG 24 (1)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX 24-1936	AWG 24 (19)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX 24-732	AWG 24 (7)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX-16-1929	AWG 16 (19)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TX-18-726	AWG 18 (7)	Metrofunk Kabel-Union	PTFE	MIL-W-16878 D
TTZ 24-124	AWG 24 (1)	Metrofunk Kabel-Union	ETFE	--
LiY 0,25/1,3	0.25 mm ²	Metrofunk Kabel-Union	PVC	VDE 0812
MW-C-18	AWG 18 (19)	Metrofunk Kabel-Union	PVC	MIL-W-76 B
AWG 20	AWG 20 (7)	Nexans	??	UL AWM Style 1007
Rheyhalon KF2U 110	1.5 mm ²	Nexans	??	DIN VDE 0282 T.9
Rheyhalon KFU 110	1.5 mm ²	Nexans	??	--
Rheyhalon KFU 110	1 mm ²	Nexans	??	--
Rheyhalon KFU 110	0.75 mm ²	Nexans	??	--
Rheyhalon KFU 110	0.5 mm ²	Nexans	??	--
FMKHC	0.75 mm ²	Nexans	Halogenfrei	IEC 60332-3
MGCH	1.5 mm ²	Nexans	Halogenfrei	IEC 60332-3
MX 20-1932	AWG 20 (19)	Nexans	PTFE	MIL-W-16878 D

Bulletin 1492-K
IDC Terminal Blocks
Tested Wires

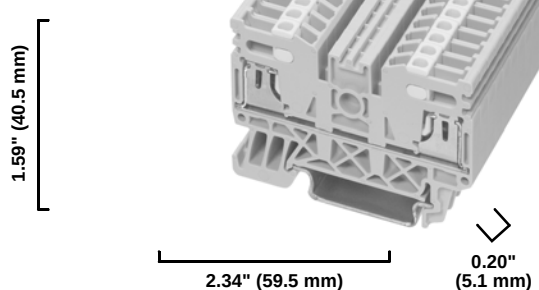
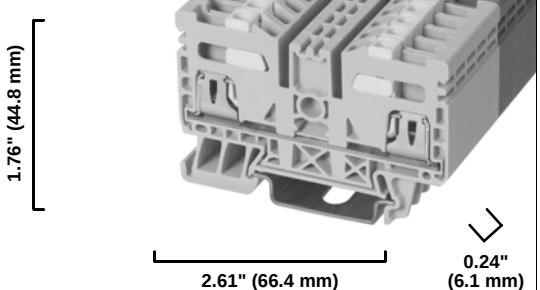
Tested Wire Table, Continued

Conductor	Wire gauge	Manufacturer	Insul	Comment
MX 20-728	AWG 20 (7)	Nexans	PTFE	MIL-W-16878 D
TX 20-120	AWG 20 (1)	Nexans	PTFE	MIL-W-16878 D
TX 24-124	AWG 24 (1)	Nexans	PTFE	MIL-W-16878 D
TX 24-1936	AWG 24 (19)	Nexans	PTFE	MIL-W-16878 D
TX 24-732	AWG 24 (7)	Nexans	PTFE	MIL-W-16878 D
TX-16-1929	AWG 16 (19)	Nexans	PTFE	MIL-W-16878 D
TX-18-726	AWG 18 (7)	Nexans	PTFE	MIL-W-16878 D
TTZ 24-124 7YV 1x0,5/1,5	AWG 24 (1)	Nexans	ETFE	--
MPRXCX	1.5 mm ²	Nexans	XLPE	IEC 60332-3
Aderleitung T	1.5 mm ²	Nexans	PVC	DIN VDE 0281 T.3
Aderleitung T	1 mm ²	Nexans	PVC	DIN VDE 0281 T.3
Aderleitung T	0.5 mm ²	Nexans	PVC	DIN VDE 0281 T.3
Art.-Nr. 44475069	0.34 mm ²	Nexans	PVC	--
H05V-K	1 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05V-K	0.75 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05V-U	1 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05V-U	0.75 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05V-U	0.5 mm ²	Nexans	PVC	DIN VDE 0281 T.3
H05VV-F	1.5 mm ²	Nexans	PVC	DIN VDE 0281 T.5
H07V-K	1.5 mm ²	Nexans	PVC	DIN VDE 0281 T.3
LiY 0.25/1,3	0.25 mm ²	Nexans	PVC	VDE 0812
MW-C- 18(19)U	AWG 18 (19)	Nexans	PVC	MIL-W-76 B
--	0.34 mm ²	Nexans	TPM	--
--	0.25 mm ²	Nexans	TPM	--
H05V-K	0.5 mm ²	Nexans (Kabel- rheydt)	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Nexans (Kabel- rheydt)	PVC	DIN VDE 0281 T.3
AWG 18	AWG 18 (16)	NTE Electronics	PVC	UL AWM Style 1569
AWG 20	AWG 20 (10)	NTE Electronics	PVC	--
AWG 18	AWG 18 (16)	Pacer	PVC/ PA	UL AWM Style 1316
AWG 18	AWG 18 (16)	Pacer	PVC	UL AWM Style 1061
AWG 18	AWG 18 (16)	Pacer	PVC	UL AWM Style 1015
AWG 16	AWG 16 (26)	Paige	PVC	--
AWG 18	AWG 18 (7)	Paige	FPR	--
AWG 22	AWG 22 (7)	Paige	FPR	--
Art.-Nr. MKEM 1,5 KEVI	1.5 mm ²	Reka Kaapeli	PVC	--
AWG 16	AWG 16 (26)	RS Components	PVC	UL AWM Style 1569
AWG 18	AWG 18 (16)	RS Components	PVC	UL AWM Style 1569
AWG 20	AWG 20 (10)	RS Components	PVC	UL AWM Style 1569
CK	0.5 mm ²	RS Components	PVC	BS 6231
H05V-K	1 mm ²	RS Components	PVC	IEC 60332-3
H05V-K	0.5 mm ²	RS Components	PVC	DIN VDE 0281 T.3

Conductor	Wire gauge	Manufacturer	Insul	Comment
H05BQ-F	1 mm ²	SAB Bröckskes	Gum mi	DIN VDE 0282 T.10
LiY	0.5 mm ²	SAB Bröckskes	PVC	DIN VDE 0281 T.3
ÖZ-J	0.5 mm ²	SAB Bröckskes	PVC	--
H05V-K	1 mm ²	Studer	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	Studer	PVC	DIN VDE 0281 T.3
H07V-K	1.5 mm ²	Studer	PVC	DIN VDE 0281 T.3
Betaflam 70 flex R 4x1,5mm ²	1.5 mm ²	Studer	EPR	--
Betaflam 70 flex R 5x1,0mm ²	1 mm ²	Studer	EPR	--
Betatherm 110 halogen free	0.75 mm ²	Studer	EPR	--
Betatherm 110 halogen free	0.5 mm ²	Studer	EPR	--
Betatherm 90 halogen free	1 mm ²	Studer	EPR	--
Betatherm® 70 halogen free	1 mm ²	Studer	EPR	--
Betatherm® 70 halogen free	0.5 mm ²	Studer	EPR	--
CK	0.5 mm ²	TBFC melling	PVC	BS 6231
AWG 14	AWG 14 (19)	Unknown	PVC	--
AWG 16	AWG 16 (26)	Unknown	PVC	UL AWM Style 1015
AWG 16	AWG 16 (19)	Unknown	PVC	--
AWG 18	AWG 18 (16)	Unknown	PVC	UL AWM Style 1015
AWG 20	AWG 20 (10)	Unknown	PVC	UL AWM Style 1015
AWG 22	AWG 22 (7)	Unknown	PVC	UL AWM Style 1015
Vollflex Num 5x1,5mm ²	1.5 mm ²	Volland	PVC	--
Vollflex Num 7x1,0mm ²	1 mm ²	Volland	PVC	--
Volltron LiYCY 4x0,34mm ²	0.34 mm ²	Volland	PVC	--
Volltron LiYCY 4x0,75mm ²	0.75 mm ²	Volland	PVC	--
LiY	1.5 mm ²	Westdraht	PVC	VDE 0812
LiY	0.5 mm ²	Westdraht	PVC	VDE 0812
H05V-K	1 mm ²	XBK-Kabel	PVC	DIN VDE 0281 T.3
H05V-K	0.75 mm ²	XBK-Kabel	PVC	DIN VDE 0281 T.3
H05V-K	0.5 mm ²	XBK-Kabel	PVC	DIN VDE 0281 T.3
H05V-U	1 mm ²	XBK-Kabel	PVC	--
H05V-U	0.75 mm ²	XBK-Kabel	PVC	--
H05V-U	0.5 mm ²	XBK-Kabel	PVC	--
H07V-U	1.5 mm ²	XBK-Kabel	PVC	--
AWG 18	AWG 18 (7)	Zettler	FPR	--
AWG 22	AWG 22 (7)	Zettler	FPR	--

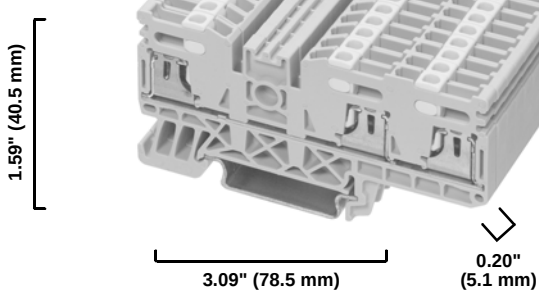
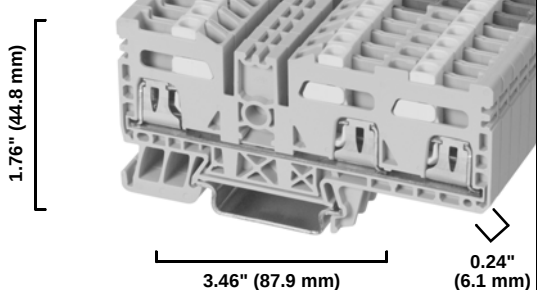
1492-K2

1492-K3

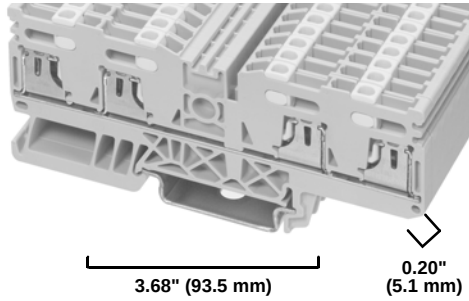
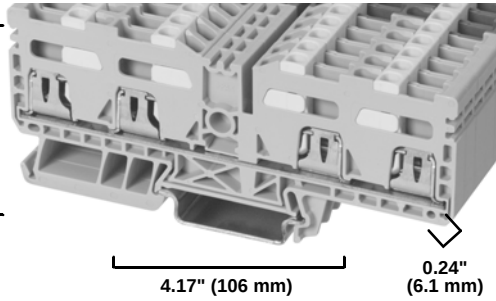
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	2.34" (59.5 mm) 0.20" (5.1 mm)		2.61" (66.4 mm) 0.24" (6.1 mm)	
Specifications	Single-circuit feedthrough.		Single-circuit feedthrough.	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Voltage Rating	300V AC/DC	500V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	10 A	17.5 A	15 A	24 A
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		#20...#14 AWG (0.5...2.5 mm ²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-K2	50	1492-K3	50
Blue	1492-K2-B	50	1492-K3-B	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2	50	1492-EBK3	50
Blue	1492-EBK2-B	50	1492-EBK3-B	50
Jumpers	1492-CJK5-①	60/20	1492-CJK6-①	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

1492-K2T

1492-K3T

Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	3.09" (78.5 mm) 0.20" (5.1 mm)		3.46" (87.9 mm) 0.24" (6.1 mm)	
Specifications	Single-circuit feedthrough with three terminations.		Single-circuit feedthrough with three terminations.	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Voltage Rating	300V AC/DC	500V AC/DC	600V AC/DC	800V
Maximum Current	10 A	17.5 A	15 A	32 A
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		#20...#14 AWG (0.5...2.5 mm ²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-K2T	50	1492-K3T	50
Blue	1492-K2T-B	50	1492-K3T-B	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2T	50	1492-EBK3T	50
Blue	1492-EBK2T-B	50	1492-EBK3T-B	50
Jumpers	1492-CJK5-①	60/20	1492-CJK6-①	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

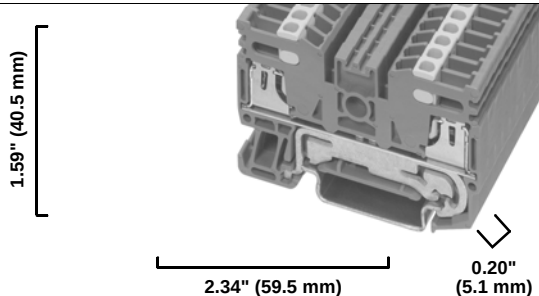
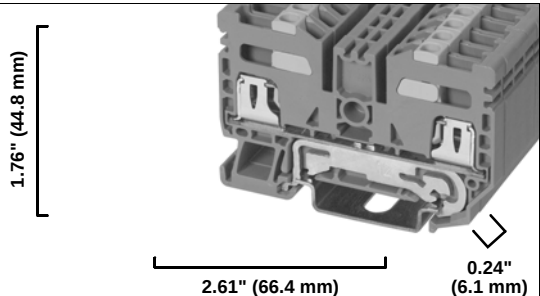
① Complete catalog number with number of poles (2 through 10). Package quantities are 60 jumpers per package for 2,3, and 4 pole jumpers, and 20 jumpers per package for 5 through 10 poles.

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-K2Q 		1492-K3Q 	
	Specifications Single-circuit feedthrough with four terminations.		Single-circuit feedthrough with four terminations.	
Approvals	 UL /CSA		 UL /CSA	
Voltage Rating	300V AC/DC		600V AC/DC	
Maximum Current	10 A		15 A	
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm²)		#20...#14 AWG (0.5...2.5 mm²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-K2Q	50	1492-K3Q	50
Blue	1492-K2Q-B	50	1492-K3Q-B	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2Q	50	1492-EBK3Q	50
Blue	1492-EBK2Q-B	50	1492-EBK3Q-B	50
Jumpers	1492-CJK5-❶	60/20	1492-CJK6-❶	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

❶ Complete catalog number with number of poles (2 through 10). Package quantities are 60 jumpers per package for 2,3, and 4 pole jumpers, and 20 jumpers per package for 5 through 10 poles.

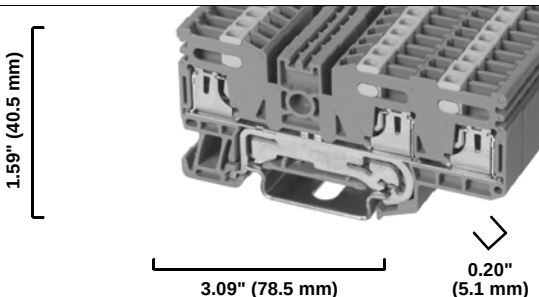
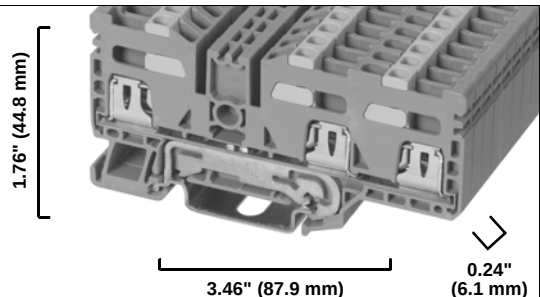
1492-KG2

1492-KG3

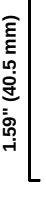
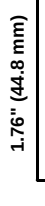
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	Single-circuit grounding.		Single-circuit grounding.	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Maximum Current	Grounding	Grounding	Grounding	Grounding
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		#20...#14 AWG (0.5...2.5 mm ²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Green/Yellow	1492-KG2	50	1492-KG3	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Yellow	1492-EBK2-Y	50	1492-EBK3-Y	50
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

1492-KG2T

1492-KG3T

Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	Single-circuit grounding with three terminations.		Single-circuit grounding with three terminations.	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Maximum Current	Grounding	Grounding	Grounding	Grounding
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		#20...#14 AWG (0.5...2.5 mm ²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Green/Yellow	1492-KG2T	50	1492-KG3T	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Yellow	1492-EBK2T-Y	50	1492-EBK3T-Y	50
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

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-KG2Q  1.59" (40.5 mm) 3.68" (93.5 mm) 0.20" (5.1 mm)		1492-KG3Q  1.76" (44.8 mm) 4.17" (106 mm) 0.24" (6.1 mm)	
	Specifications Single-circuit grounding with four terminations.		Single-circuit grounding with four terminations.	
Approvals	 /CSA		 /CSA	
Maximum Current	Grounding		Grounding	
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm²)		#20...#14 AWG (0.5...2.5 mm²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Green/Yellow	1492-KG2Q	50	1492-KG3Q	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Yellow	1492-EBK2Q-Y	50	1492-EBK3Q-Y	50
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

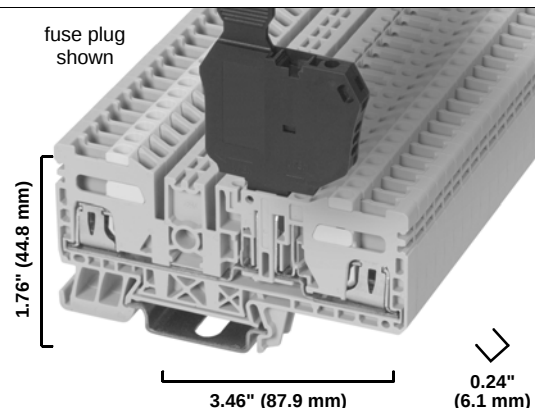
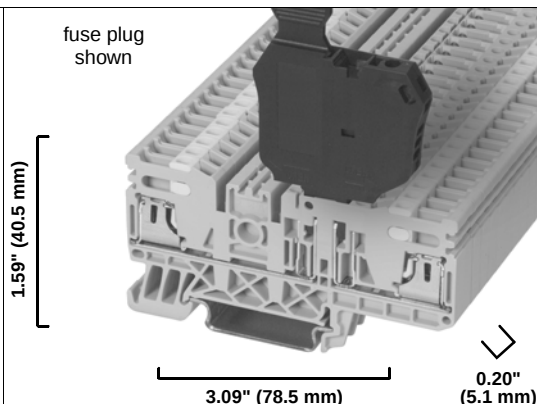
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.	1492-K2KD  1.59" (40.5 mm) 3.09" (78.5 mm) 0.20" (5.1 mm)		1492-K3KD  1.76" (44.8 mm) 3.46" (87.9 mm) 0.24" (6.1 mm)	
	Specifications Knife Disconnect		Knife Disconnect	
Approvals	 /CSA		 /CSA	
Voltage Rating	300V AC/DC		300V AC/DC	
Maximum Current	10 A		16 A	
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm²)		#20...#14 AWG (0.5...2.5 mm²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-K2KD	50	1492-K3KD	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2T	50	1492-EBK3T	50
Jumpers	1492-CJK5- 	60/20	1492-CJK6- 	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

1492-K2P

1492-K3P

Dimensions are not intended to be used for manufacturing purposes.

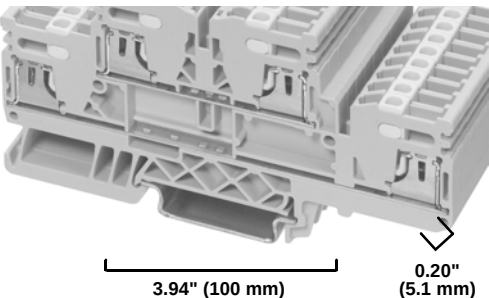
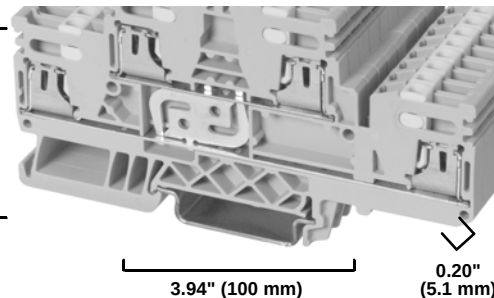
Note: Height dimension is measured from top of rail to top of terminal block.



Specifications	Pluggable (fuse plug sold separately)		Pluggable (fuse plug sold separately)	
Approvals	CSA	IEC	CSA	IEC
Voltage Rating	300V AC/DC	400V AC/DC	300V AC/DC	400V AC/DC
Maximum Current (fuse plugs)	6.3 A ②		6.3 A ②	
Maximum Current (disconnect or component plug)	10 A	16 A	10 A	16 A
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		#20...#14 AWG (0.5...2.5 mm ²)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-K2P	50	1492-K3P	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2T	50	1492-EBK3T	50
Jumpers	1492-CJK5-①	60/20	1492-CJK6-①	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5
Fuse plug	1492-FPK...	20	1492-FPK...	20
Component plug	1492-CPL	20	1492-CPL	20
Disconnect plug	1492-DPL	20	1492-DPL	20

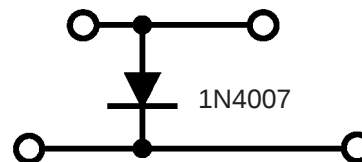
① Complete catalog number with number of poles (2 through 10). Package quantities are 60 jumpers per package for 2,3, and 4 pole jumpers, and 20 jumpers per package for 5 through 10 poles.

② With any 1492-FPK2 fuse plug (see page 22)

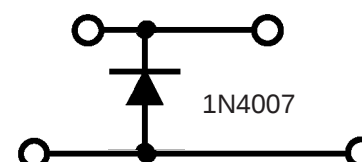
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.	1492-KD2 		1492-KD2C 																																				
	Specifications <table><tr><td></td><td colspan="2">Two Circuit Feedthrough</td></tr><tr><td>Approvals</td><td> /CSA</td><td>IEC</td></tr><tr><td>Voltage Rating</td><td>300V AC/DC</td><td>500V AC/DC</td></tr><tr><td>Maximum Current</td><td>10 A</td><td>17.5 A</td></tr><tr><td>Wire Range (Rated Cross Section)</td><td colspan="2">#24...#16 AWG (0.25...1.5 mm²)</td></tr><tr><td>Density</td><td colspan="2">60 pcs./ft (197/m)</td></tr></table>			Two Circuit Feedthrough		Approvals	 /CSA	IEC	Voltage Rating	300V AC/DC	500V AC/DC	Maximum Current	10 A	17.5 A	Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		Density	60 pcs./ft (197/m)		Specifications <table><tr><td></td><td colspan="2">Two Level with Commoning Bar Between Upper and Lower Levels</td></tr><tr><td>Approvals</td><td> /CSA</td><td>IEC</td></tr><tr><td>Voltage Rating</td><td>300V AC/DC</td><td>500V AC/DC</td></tr><tr><td>Maximum Current</td><td>10 A</td><td>17.5 A</td></tr><tr><td>Wire Range (Rated Cross Section)</td><td colspan="2">#24...#16 AWG (0.25...1.5 mm²)</td></tr><tr><td>Density</td><td colspan="2">50 pcs./ft (164/m)</td></tr></table>			Two Level with Commoning Bar Between Upper and Lower Levels		Approvals	 /CSA	IEC	Voltage Rating	300V AC/DC	500V AC/DC	Maximum Current	10 A	17.5 A	Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)		Density	50 pcs./ft (164/m)
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Density	50 pcs./ft (164/m)																																						
Terminal Blocks	<table><tr><th>Cat. No.</th><th>Pcs./Pkg.</th></tr><tr><td>1492-KD2</td><td>50</td></tr><tr><td>1492-KD2-B</td><td>50</td></tr></table>	Cat. No.	Pcs./Pkg.	1492-KD2	50	1492-KD2-B	50	<table><tr><th>Cat. No.</th><th>Pcs./Pkg.</th></tr><tr><td>1492-KD2C</td><td>50</td></tr><tr><td>1492-KD2C-B</td><td>50</td></tr></table>	Cat. No.	Pcs./Pkg.	1492-KD2C	50	1492-KD2C-B	50																									
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1492-KD2-B	50																																						
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1492-KD2C	50																																						
1492-KD2C-B	50																																						
Accessories	<table><tr><th>Cat. No.</th><th>Pcs./Pkg.</th></tr><tr><td>1492-EBK2D</td><td>50</td></tr><tr><td>1492-EBK2D-B</td><td>50</td></tr><tr><td>1492-CJK5-❶</td><td>50</td></tr><tr><td>1492-SM5X10 (144 per card)</td><td>5</td></tr><tr><td>1492-MAK2</td><td>50</td></tr></table>	Cat. No.	Pcs./Pkg.	1492-EBK2D	50	1492-EBK2D-B	50	1492-CJK5-❶	50	1492-SM5X10 (144 per card)	5	1492-MAK2	50	<table><tr><th>Cat. No.</th><th>Pcs./Pkg.</th></tr><tr><td>1492-EBK2D</td><td>50</td></tr><tr><td>1492-EBK2D-B</td><td>50</td></tr><tr><td>1492-CJK5-❶</td><td>50</td></tr><tr><td>1492-SM5X10 (144 per card)</td><td>5</td></tr><tr><td>-</td><td>-</td></tr></table>	Cat. No.	Pcs./Pkg.	1492-EBK2D	50	1492-EBK2D-B	50	1492-CJK5-❶	50	1492-SM5X10 (144 per card)	5	-	-													
Cat. No.	Pcs./Pkg.																																						
1492-EBK2D	50																																						
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1492-CJK5-❶	50																																						
1492-SM5X10 (144 per card)	5																																						
-	-																																						

Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.	2.13" (54 mm) 1492-KD2... 3.94" (100 mm) 0.20" (5.1 mm)	
Specifications	Electronic Devices	
Approvals	UL /CSA	IEC
Voltage Rating	300V AC/DC ②	500V AC/DC ②
Maximum Current	10 A ③	17.5 A ③
Wire Range (Rated Cross Section)	#24...#16 AWG (0.25...1.5 mm ²)	
Density	60 pcs./ft (197/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.
Diode Reverse	1492-KD2DR	1
Diode Forward	1492-KD2DF	1
Surge Suppressor	1492-KD2SS ②	1
Accessories	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2D	50
Jumpers	1492-CJK5-①	60/20
Marker	1492-SM5X10 (144 per card)	5
Marker Adapter (for top level)	-	-

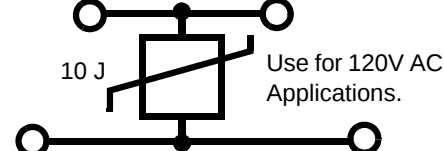
1492-KD2DF:



1492-KD2DR:



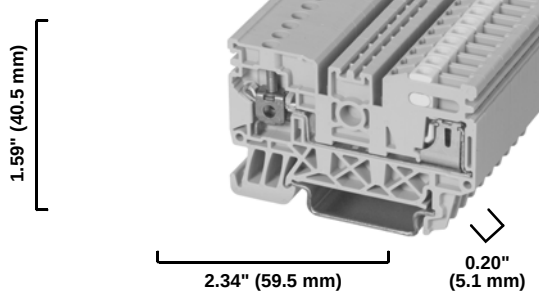
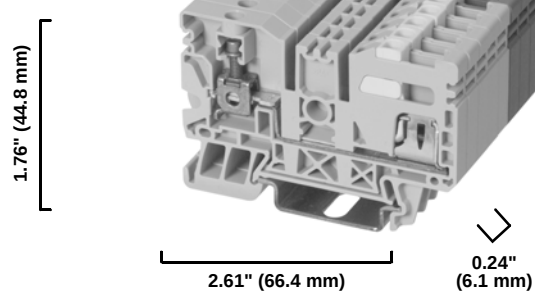
1492-KD2SS:



- ❶ Complete catalog number with number of poles (2 through 10). Package quantities are 60 jumpers per package for 2,3, and 4 pole jumpers, and 20 jumpers per package for 5 through 10 poles.
- ❷ 1492-KD2SS is designed for 120V AC applications.
- ❸ Amperage which can be carried across current bars. See p. 26 for electrical component data.

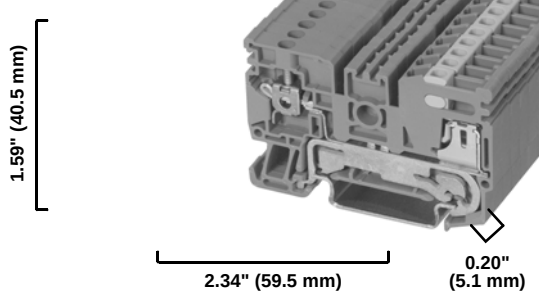
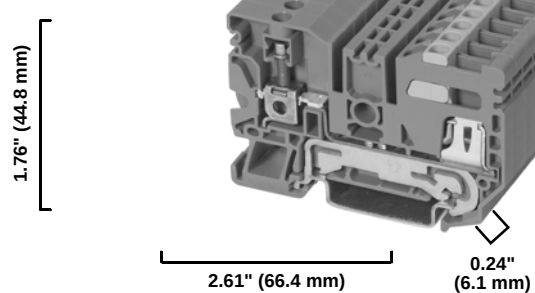
1492-KW2

1492-KW3

Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	2.34" (59.5 mm) 0.20" (5.1 mm)		2.61" (66.4 mm) 0.24" (6.1 mm)	
Specifications	Hybrid (IDC/ Screw) feedthrough		Hybrid (IDC/ Screw) feedthrough	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Voltage Rating	300V AC/DC	500V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	10 A	17.5 A	15 A	24 A
Wire Range (Rated Cross Section)	IDC: #24...#16 AWG (0.25...1.5 mm ²) Screw: #26...#12 AWG (0.5...4 mm ²)		IDC: #20...#14 AWG (0.5...2.5 mm ²) Screw: #26...#10 AWG (0.5...6 mm ²)	
Wire Strip Length	0.4" (10 mm)		0.5" (13 mm)	
Recommended Tightening Torque	3.5...5.3 lb-in. (0.4...0.6 Nm)		4.4...8.8 lb-in. (0.5...1.0 Nm)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Gray	1492-KW2	50	1492-KW3	50
Blue	1492-KW2-B	50	1492-KW3-B	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Gray	1492-EBK2	50	1492-EBK3	50
Blue	1492-EBK2-B	50	1492-EBK3-B	50
Jumpers	1492-CJK5-①	60/20	1492-CJK6-①	60/20
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

1492-KWG2

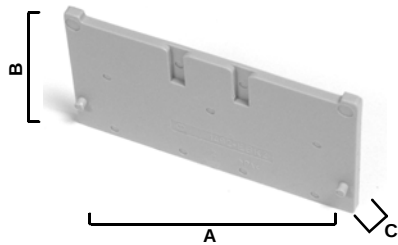
1492-KWG3

Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.				
	2.34" (59.5 mm) 0.20" (5.1 mm)		2.61" (66.4 mm) 0.24" (6.1 mm)	
Specifications	Hybrid (IDC/ Screw) ground		Hybrid (IDC/ Screw) ground	
Approvals	UL/CSA	IEC	UL/CSA	IEC
Maximum Current	Grounding	Grounding	Grounding	Grounding
Wire Range (Rated Cross Section)	IDC: #24...#16 AWG (0.25...1.5 mm ²) Screw: #26...#12 AWG (0.5...4 mm ²)		IDC: #20...#14 AWG (0.5...2.5 mm ²) Screw: #26...#10 AWG (0.5...6 mm ²)	
Wire Strip Length	0.4" (10 mm)		0.5" (13 mm)	
Recommended Tightening Torque	3.5...5.3 lb-in. (0.4...0.6 Nm)		4.4...8.8 lb-in. (0.5...1.0 Nm)	
Density	60 pcs./ft (197/m)		50 pcs./ft (164/m)	
Terminal Blocks	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
Color: Green/Yellow	1492-KWG2	50	1492-KWG3	50
Accessories	Cat. No.	Pcs./Pkg.	Cat. No.	Pcs./Pkg.
End Barrier: Yellow	1492-EBK2-Y	50	1492-EBK3-Y	50
Marker	1492-SM5X10 (144 per card)	5	1492-SM6X10 (120 per card)	5

① Complete catalog number with number of poles (2 through 10). Package quantities are 60 jumpers per package for 2,3, and 4 pole jumpers, and 20 jumpers per package for 5 through 10 poles.

End Barriers

End barriers are used to provide the necessary insulation for the last terminal block in a row of similar terminal blocks. They can also be used to provide the necessary electrical spacing between adjacent jumpers. Blue end barriers are typically used with blue terminal blocks. Yellow end barriers are typically used with ground blocks. **End barriers are packaged in boxes of 50.**



Cat. No.	A	B	C	Colors ❶
1492-EBK2	2.34" (59.5 mm)	1.28" (32.5 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow
1492-EBK2T	3.09" (78.5 mm)	1.28" (32.5 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow
1492-EBK2Q	3.68" (93.5 mm)	1.28" (32.5 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow
1492-EBK2D	3.94" (100.0 mm)	1.79" (45.5 mm)	0.08" (2.0 mm)	Blue, Gray
1492-EBK3	2.61" (66.4 mm)	1.50" (38.1 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow
1492-EBK3T	3.46" (87.9 mm)	1.50" (38.1 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow
1492-EBK3Q	4.17" (106.0 mm)	1.50" (38.1 mm)	0.08" (2.0 mm)	Blue, Gray, Yellow

❶ End barriers are standard gray color. For blue end barrier, add "-B" to catalog number. For yellow end barrier, add "-Y" to catalog number.

Fuse Plugs

Fuse plugs are used in conjunction with plug-in style blocks 1492-K2P and 1492-K3P. Each plug will accomodate a 5 X 20 mm fuse or 1492-ISOSW-1 isolation switch plug. The handy pull tab on the top of the fuse plug makes removal from the block easy. Fuse plugs are available in non-indicating and blown fuse indicating applications. See page 26 for fuse plug specification. Select the proper fuse plug for your application. Fuse plugs will accomodate a 1492-MS5X5 marker. Fuse plugs are packaged in boxes of 20.



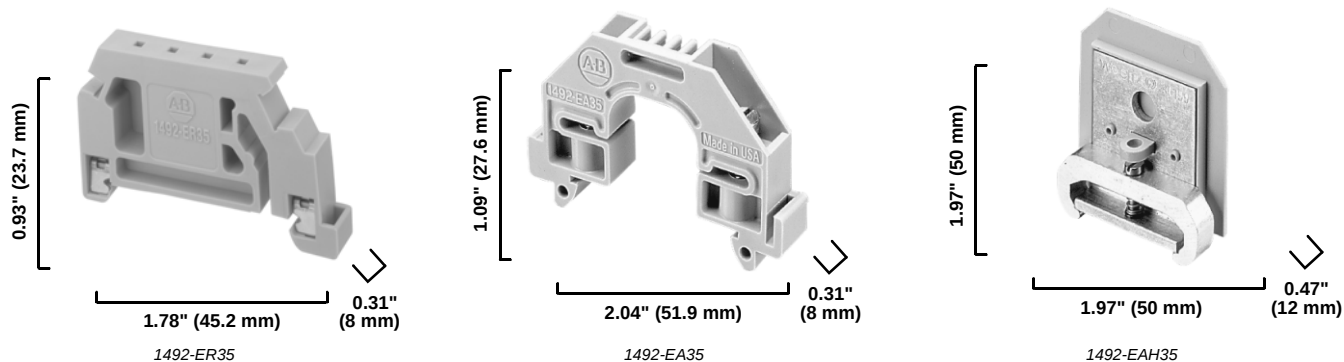
Open Fuse Plug



Closed Fuse Plug

End Anchors

End anchors mount at both ends of a group of terminal blocks to add rigidity to the terminal assembly and prevent sliding along the rail. Select the proper end anchor for your application.



Application	Clamps to Rail Via	Cat. No.	Marker	Pkg. Qty.
Light Duty	Spring Clip	1492-ER35	1492-SM8X12 1492-SMN81 1492-N901	50
Standard Duty	Two Screws	1492-EA35	1492-SM6X12 1492-MP	50
Heavy Duty	Single Screw Pressure Plate	1492-EAH35	—	10

Wire Cutter

The wire cutter is designed to be attached to the 1492-N90 screwdriver and secured by tightening a screw. The 1492-KWC will cut up to 2.5 mm² (#14 AWG) solid or stranded wire.



1492-KWC



1492-KWC Cutting

Protective Stops

Protective stops are required when using small gauge wire #24...#22 AWG (0.25...0.34 mm²). Using protective stops will ensure that the wire is properly seated in the IDC cutting member. Protective stops are inserted into the hole in the yellow slider bar of the terminal block. Protective stops are packaged in boxes of 100.



1492-PSK2 Protective Stops

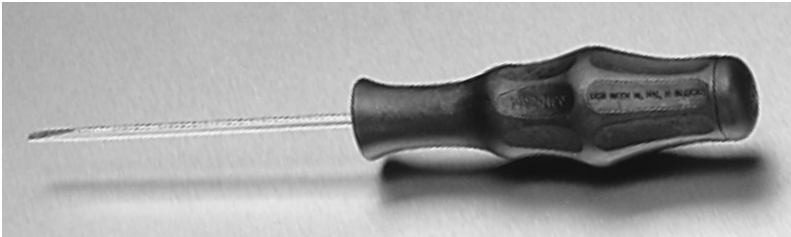
Bulletin 1492-K

IDC Terminal Blocks

Accessories, Continued

Screwdriver

The 1492-N90 is a perfect accessory for use with the 1492-K IDC terminal blocks. The screwdriver is used to open and close the slider bar which holds the wires in place.



Test Plugs

Test plugs are used for temporary testing of electrical circuits. A test plug may be inserted in top of terminal when the slider is in the wire engaged position. Two versions are available. 1492-TPK2 and 1492-TPK3 have nibs on the side of the test plug enabling them to be ganged to adjacent plugs. 1492-TPK2E and 1492-TPK3E have no nibs and are intended to be used as the last test plug in a ganged row.



1492-TPK2 Test Plug

Jumpers

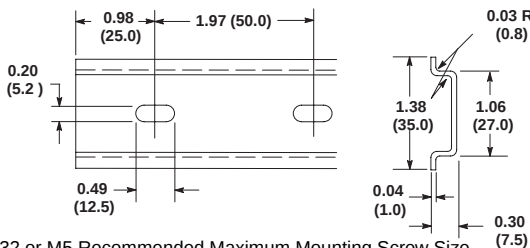
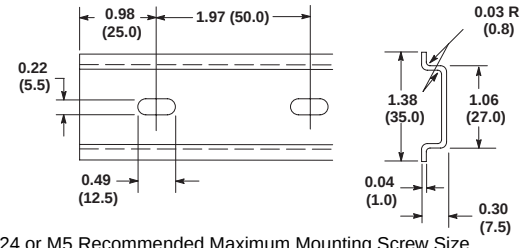
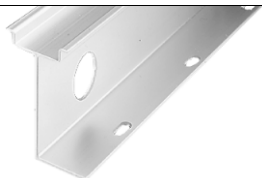
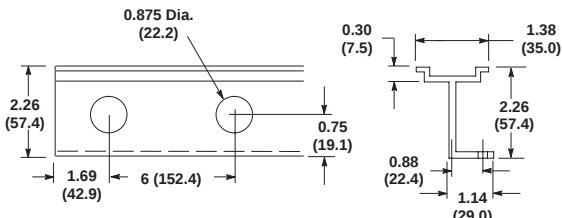
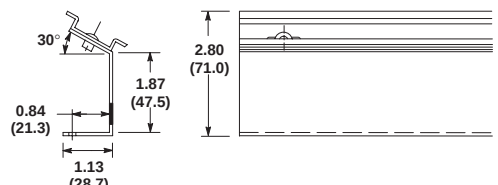
Jumpers make an electrical connection between adjacent terminals. Select the proper jumper for your application or use a 10-pole jumper and cut to length. If you cut a jumper, remember to use end barriers between blocks with adjacent jumpers. No tools are required to insert jumpers.



1492-CJK5-5 Center Jumper

Cat. No.	Description	Pcs./Pkg.
1492-CJK5-2	5 mm centers, 2 poles	60
1492-CJK5-3	5 mm centers, 3 poles	60
1492-CJK5-4	5 mm centers, 4 poles	60
1492-CJK5-5	5 mm centers, 5 poles	20
1492-CJK5-6	5 mm centers, 6 poles	20
1492-CJK5-7	5 mm centers, 7 poles	20
1492-CJK5-8	5 mm centers, 8 poles	20
1492-CJK5-9	5 mm centers, 9 poles	20
1492-CJK5-10	5 mm centers, 10 poles	20
1492-CJK6-2	6 mm centers, 2 poles	60
1492-CJK6-3	6 mm centers, 3 poles	60
1492-CJK6-4	6 mm centers, 4 poles	60
1492-CJK6-5	6 mm centers, 5 poles	20
1492-CJK6-6	6 mm centers, 6 poles	20
1492-CJK6-7	6 mm centers, 7 poles	20
1492-CJK6-8	6 mm centers, 8 poles	20
1492-CJK6-9	6 mm centers, 9 poles	20
1492-CJK6-10	6 mm centers, 10 poles	20

DIN Mounting Rails

Item	Description	Pcs./Pkg.	Dimensions ❶
199-DR1	 Symmetrical Rail 35 mm x 7.5 mm 3.28' (1 m) long Zinc-Plated, Yellow Chromated Steel DIN #3	10	 #10–32 or M5 Recommended Maximum Mounting Screw Size
199-DR2	Same as 199-DR1, but length = 2 m	100	
1492-DR5	 Symmetrical Rail 35 mm x 7.5 mm 3.28' (1 m) long Copper-Free Aluminum EN50022 For 1492 Terminal Blocks Only DIN #3	10	 #12–24 or M5 Recommended Maximum Mounting Screw Size
1492-DR6 ❷	 Symmetrical Rail 35 mm x 7.5 mm 2.26" (57.4 mm) high 3.28' (1 m) long Copper-Free Aluminum For 1492 Terminal Blocks Only DIN #3	2	 Wire insulator plug for wire access through rail — use Heyco UB875
1492-DR7 ❷	 Symmetrical Rail 35 mm x 7.5 mm 2.80" (71.0 mm) high 3.28' (1 m) long Angled 30° Zinc-Plated, Chromated Steel DIN #3	2	 For mounting rail details, see Cat. No. 199-DR1

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

❷ 0.218" (5.5 mm) x 0.50" (12.7 mm) slotted mounting holes every 3" (76.2 mm) starting 1.69" (42.9 mm) from end.

IDC Terminal Blocks

Specifications

IDC Terminal Block Component Specifications

Diode Terminal Blocks — Types 1492-KD2DR, 1492-KD2DF

Description	Symbol	Rating
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V (RRM) V (RWM) V (R)	300V
Non-Repetitive Peak Reverse Voltage (Halfwave, single phase, 60 Hz)	V (RSM)	300V
RMS Reverse Voltage ❶	V (Rrms)	300V
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz	I (O)	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	30 A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0A]	V (F)	1.1V
Maximum Reverse Current	I (R)	10 μ A
Operating Ambient Temperature Range	T (A)	–4...+104°F (–20...+40°C)
Storage Temperature Range	T (S)	–40...+167°F (–40...+75°C)

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

❶ 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 ❶

Surge Suppressor Terminal Block 1492-KD2SS	
Performance Characteristic	Rating
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 μ s Pulse)	360V I _p = 10 A
Peak Current (8/20 μ s Pulse)	1200 A
Typical Leakage Current at Nominal AC Working Voltage	< 0.1 mA
Maximum Transient Energy	10 J
Maximum Power Dissipation	0.25 W

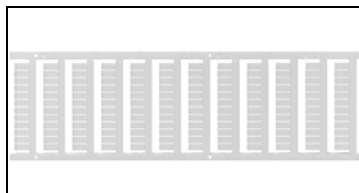
Technical Specifications for Fuse Plugs ❷

	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 @ 48V	1.6 mA @ 120V	1.6 mA @ 240V
Working Voltage	Per Fuse Rating	10...36V AC/DC	35...70V AC	60...150V AC/DC	140...250V AC/DC
Fuse Size	5 x 20 mm				
Marker	1492-MS5X5				

❶ Performance Data — See Publication A115, page Important-2.
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.

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

Marker Cards



Cat. No.	No. of Labels/Card
1492-MS5X5	100
1492-SM5X10	144
1492-SM6X10	120

Marker Adapter

The marker adapter is used to accommodate markers on two level blocks. The adapter pivots to make wiring on the top level easier.



Cat. No.	Used with Cat. No.
1492-MAK2	1492-KD2



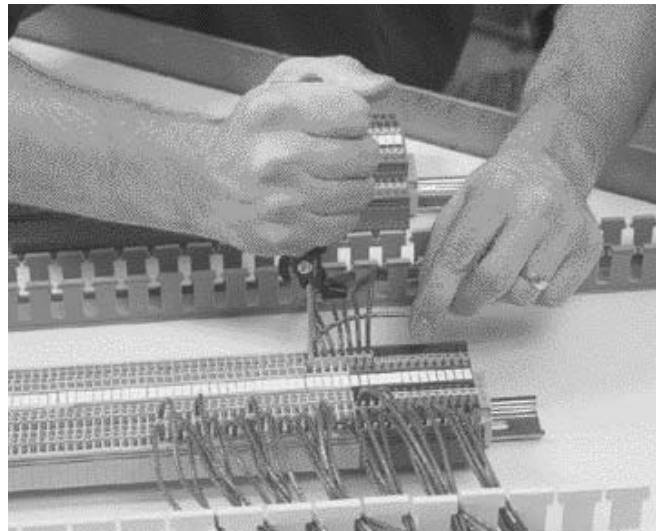
1492-KWC wire cutter mounts on a standard screwdriver providing quick wire cutting.



Simply cut the wire with the 1492-KWC wire cutter.



No wire stripping necessary.



Quick wire termination.

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433

Europe/Middle East/Africa: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 17741

Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 6356-9077, Fax: (65) 6356-9011