



Programmable Controller Wiring Systems







Bulletin 1492

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Introduction

Connecting to Allen-Bradley® PLC I/O is fast, convenient, and reliable with the Allen-Bradley Bul. 1492 wiring system. Unlike conventional terminal blocks, the Bul. 1492 wiring system connects to both digital and analog PLC I/O modules through pre-wired and pre-tested cables. The interface modules are mounted onto a standard DIN #3 Rail. Pre-printed adhesive label cards containing field-wiring information are included for each interface module and I/O module combination.

Wiring Systems I/O System Compatibility

	
<p>1756 ControllLogix</p>	<p>1769 CompactLogix</p>
	
<p>1769 CompactLogix 5370 Controllers</p>	<p>1746 SLC 500</p>
	
<p>A select group of wiring system modules are compatible with the MicroLogix 1200 (40 I/O base only) and 1500 packaged controllers.</p>	<p>In addition, wiring system solutions are available for 1794 Flex I/O through the Flex D-shell type base modules, 1794-TB37DS, and 1794-TB62DS.</p>

Benefits

- **Reduced Wiring Time** —PLC I/O module to field device wiring is completed in a fraction of the time when Bulletin 1492 wiring systems are used as compared with the traditional method of wiring.
- **Reduced Wiring Errors**—wiring system cables are pre-tested to achieve 100% accurate connections and eliminate the need for point-to-point checking of wiring.
- **Faster Troubleshooting and Easier Maintenance**—Diagnostic capabilities such as fuses, blown fuse indication, and field-side ON-State LEDs allow maintenance personnel to quickly locate faults, reduce downtime, and improve overall productivity.
- **Increased Volume and Productivity** —wiring system can be up to 30 times faster to install than traditional point-to-point wiring, enabling OEMs and panel builders to build panels faster and produce more machines.

- **Reduced Wire Preparation and Routing**—Wiring systems eliminate the time and costs that are associated with stripping and cutting wires. Routing wires is much easier with one wire versus 20 - 40 with traditional wiring methods.
- **Labeling and Marking**—Pre-printed, PLC I/O-specific adhesive label strips for quick marking of IFM module terminals save labor that is compared with point-to-point wiring that requires labor-intensive wire markers.
- **Simplified Design**—Design engineers can simplify their panel drawings by calling out an IFM and pre-wired cable instead of having to detail every wire and terminal block aiding the installer and the End User.
- **Increased DIN Rail Density**—DIN Rail space can be reduced by more than 50%. Narrow IFMs are also available for additional space savings.
- **Quality-Looking Panels**—The pre-wired cables and IFM wiring system modules organize the wiring in your panel and provide a consistent look.
- **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.
- **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.

Ordering Digital and Analog Wiring Systems

To order the proper IFM/XIM/AIFM pre-wired cable:

1. Determine the PLC or PowerFlex® I/O platform (e.g., Bulletin 1746, 1756, 1757, 1762, 1764, 1769, 1794, 700H, 700S) you are using and the catalog number of the I/O module being specified (for example, 1746-IB16).
2. Determine whether you require field-side LEDs, fusing for over-current protection, or relays (check voltage ratings for LEDs, fuse blown indication, relay, and coil voltage).
3. Determine your field-side wiring requirements. Are extra terminals needed?
4. Determine your desired PLC I/O module to IFM/XIM/AIFM cable length (0.5 m, 1.0 m, 2.5 m, 5.0 m, or build-to-order) based on wiring needs.

Wiring Diagrams

To find wiring diagrams for any part, see Knowledgebase Technote Links to Wiring Diagrams for 1756, 1757, 1762, 1764, 1769, 1794, 700S, 700H Input and Output Modules using 1492 Wiring Systems Products.

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1756 ControlLogix Wiring Systems

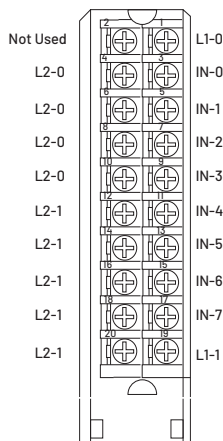
I/O Type	Cat. No.	Page	I/O Type	Cat. No.	Page					
AC digital	Input	1756-IA8D, 1756-IA8DK	DC digital	Output	1756-OC8, 1756-OC8K	42				
		1756-IA16, 1756-IA16K			6	1756-OV16E	43			
		1756-IA16I, 1756-IA16IK			7	1756-OV32E, 1756-OV32K	44			
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		1756-OA8D			12	1756-IF6I	52			
		1756-OA8E, 1756-OA8EK			13	1756-IF8, 1756-IF8K	53			
		1756-OA16, 1756-OA16K			14	1756-IF8I, 1756-IF8IK	54			
		1756-OA16I, 1756-OA16IK			15	1756-IF8IH, 1756-IF8IHK	55			
		DC digital			Input	1756-IB16, 1756-IB16K	Analog	Input	1756-IF16, 1756-IF16K	56
	1756-IB16D, 1756-IB16DK					18			1756-IF4FXOF2F, 1756-IF4FXOF2FK	57
	1756-IB16I, 1756-IB16IK					19			1756-IR6I, 1756-IR6IK	58
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1756-IB16ISOE, 1756-IB16ISOEK	21		1756-IT6I2	59						
1756-IB16S	22		1756-IF8H, 1756-IF8HK	60						
1756-IB32, 1756-IB32K	23		1756-IF16H, 1756-IF16HK	61						
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1756-IH16I, 1756-IH16IK	25			1756-OF6CI		63				
1756-IV16, 1756-IV16K	27			1756-OF6VI		64				
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		1756-OB32, 1756-OB32K			40					

1756 ControlLogix Digital IFMs

AC Digital Inputs

1756-IA8D, 1756-IA8DK

ControlLogix 120V AC diagnostic input module

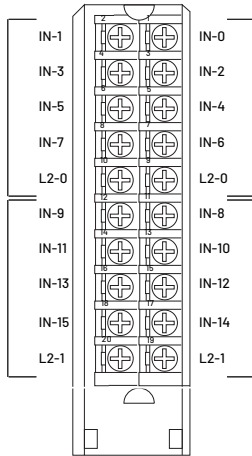


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	RTB20N	RTB20P	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	RTB20N	RTB20P	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED Indicating	Standard	1	F	1492-IFM20D120N	—	—	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20D120A-2	—	—	1492-CABLE***U
Fusible	Isolated, Blown Fuse Indication	4	F	1492-IFM20F-FS120A-4	—	—	1492-CABLE***U

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable =010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IA16, 1756-IA16K

ControlLogix 120V AC input module

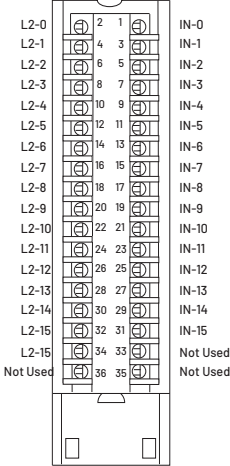


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
Sensor	3	F	1492-IFM20F-3	—	—	1492-CABLE***X	
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X
LED Indicating	Narrow	1	F	1492-IFM20D120N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D120A-2	—	—	1492-CABLE***X
Fusible	Blown Fuse Indication	2	F	1492-IFM20F-F120A-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F120A-2	RTB20N	RTB20P	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IA16I, 1756-IA16IK

ControlLogix 120V AC isolated input module

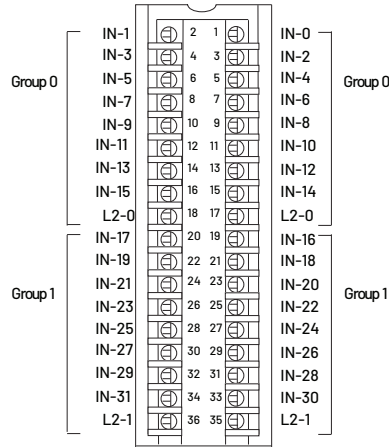


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—						1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced Height	Standard-Reduced	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS120A-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS120A-4	—	—	1492-CABLE***Y

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IA32, 1756-IA32K

ControlLogix AC (74...132V) input module

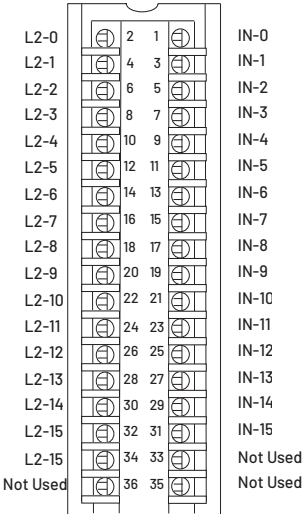


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ^{(3) (4)}
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Z
LED Indicating	Extra Terminals	2	F	1492-IFM40D120A-2	—	—	1492-CABLE***Z

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IM16I, 1756-IM16IK

ControlLogix 240V AC input module

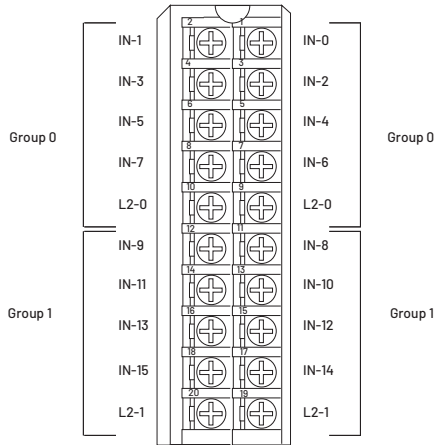


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBCH
LED	Isolated	4	F	1492-IFM40DS240A-4	—	—	1492-CABLE***Y
Fusible,	Blown Fuse	4	F	1492-IFM40F-FS240A-4	—	—	1492-CABLE***Y

- (1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IN16, 1756-IN16K

ControlLogix AC (10...30V) input module



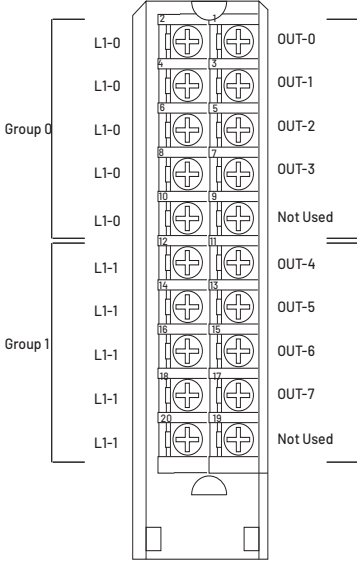
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾ ⁽³⁾
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X	
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***X
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***X
	Sensor	3	F	1492-IFM20D24-3	—	—	1492-CABLE***X
Fusible	Blown Fuse	2	F	1492-IFM20F-F24A-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CABLE***X

- (1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
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AC Digital Outputs

1756-OA8, 1756-OA8K

ControlLogix 120/240V AC output module

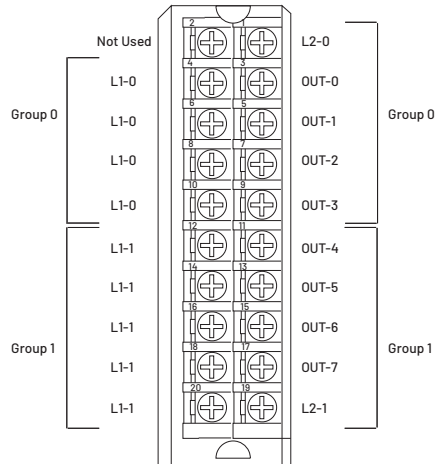


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED	Isolated, Extra Terminals	4	F	1492-IFM20DS120-4	—	—	1492-CABLE***W
Fusible, Isolated	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***W
		2	F	1492-IFM20F-FS120-2	—	—	1492-CABLE***W
	Blown Fuse	4	F	1492-IFM20F-FS120-4	—	—	1492-CABLE***W
		4	F	1492-IFM20F-FS240-4	—	—	1492-CABLE***W

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-0A8D

ControlLogix 120V AC diagnostic output module

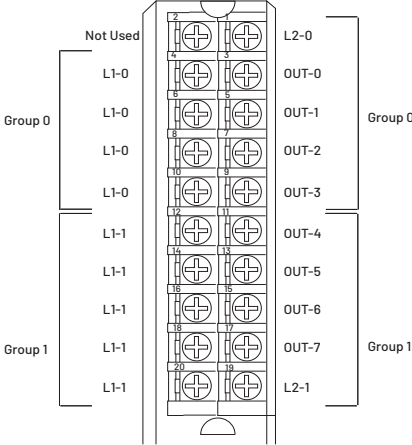


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED	Isolated, Extra	4	F	1492-IFM20DS120-4	—	—	1492-CABLE***V
Fusible, Isolated	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***V
		2	F	1492-IFM20F-FS120-2	—	—	1492-CABLE***V
	Blown Fuse	4	F	1492-IFM20F-FS120-4	—	—	1492-CABLE***V

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable =010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-0A8E, 1756-0A8EK

ControlLogix 120V AC electronically-fused output module

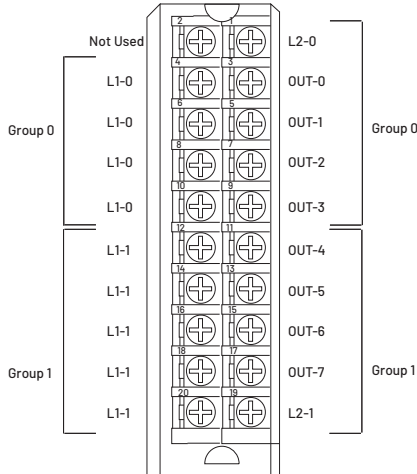


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through - Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED	Isolated, Extra	4	F	1492-IFM20DS120-4	—	—	1492-CABLE***V
Fusible, Isolated	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***V
	Blown Fuse	2	F	1492-IFM20F-FS120-2	—	—	1492-CABLE***V
		4	F	1492-IFM20F-FS120-4	—	—	1492-CABLE***V

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OA16, 1756-OA16K

ControlLogix 120/240V AC output module

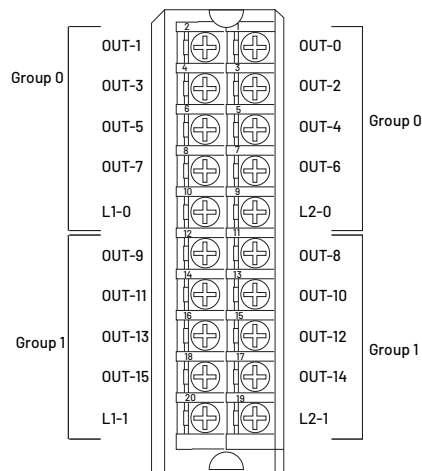


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X
LED Indicating	Narrow	1	F	1492-IFM20D120N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D120-2	—	—	1492-CABLE***X
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***X
	Blown Fuse	2	F	1492-IFM20F-F120-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F120-2	RTB20N	RTB20P	1492-CABLE***X
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***X
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***X
Relay with LED indication	Master -16 Relays w/ Fusing	1	F	1492-XIM20120-16RF	—	—	1492-CABLE***X
	Master - 16 Relays	1	F	1492-XIM20120-16R	—	—	1492-CABLE***X
	Master - 8 Relays	1	F	1492-XIM20120-8R	—	—	1492-CABLE***X
	Expander - 8 Relays	1	F	1492-XIM120-8R	—	—	1492-CABLE***X
	Expander	2	F	1492-XIMF-2	—	—	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-0A16I, 1756-0A16IK

ControlLogix 120/240V AC isolated output module

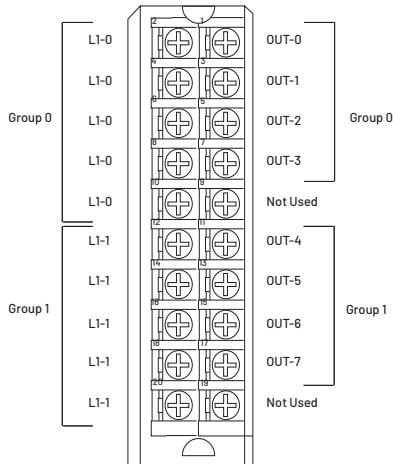


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through - Reduced Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS120-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y
	Blown Fuse	2	F	1492-IFM40F-FS120-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40F-FS120-2	RTB20N	RTB20P	1492-CABLE***Y
		4	F	1492-IFM40F-FS120-4	—	—	1492-CABLE***Y
		4	R	1492-RIFM40F-FS120-4	RTB17N	RTB17P	1492-CABLE***Y
		4	F	1492-IFM40F-FS240-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-0N8, 1756-0N8K

ControlLogix 24V AC output module



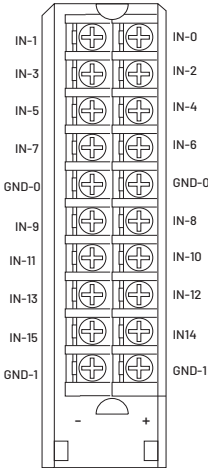
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through - Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED Indicating	Isolated, Extra Terminals	4	F	1492-IFM20DS24-4	—	—	1492-CABLE***W
Fusible, Isolated	Blown Fuse	2	F	1492-IFM20F-FS24-2	—	—	1492-CABLE***W
	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***W

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

DC Digital Inputs

1756-IB16, 1756-IB16K

ControlLogix DC (10...31.2V) input module

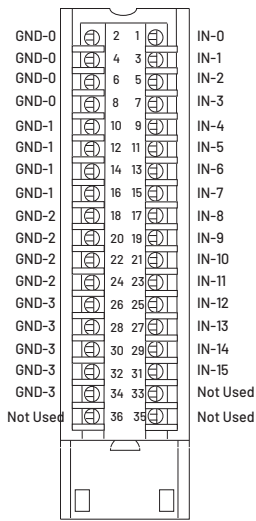


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X	
Sensor	3	F	1492-IFM20F-3	—	—	1492-CABLE***X	
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***X
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***X
	Sensor	3	F	1492-IFM20D24-3	—	—	1492-CABLE***X
Fusible	Blown Fuse	2	F	1492-IFM20F-F24A-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CABLE***X

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IB16D, 1756-IB16DK

ControlLogix DC (10...30V) diagnostic input module



IMPORTANT

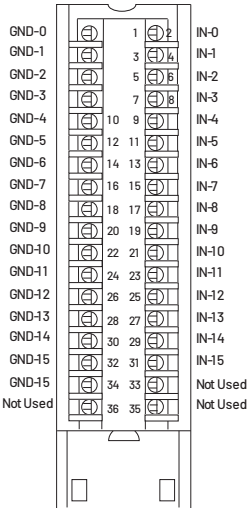
An extra leakage resistor may be required at the field device for proper operation of Wire Off Diagnostic feature in the 1756-IB16D. Refer to the ControlLogix Digital I/O Modules User Manual [1756-UM058-EN-P](#) for details.

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ^{(3) (4)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated ⁽⁵⁾	4	F	1492-IFM40DS24A-4	—	—	1492-CABLE***Y
Fusible	Blown Fuse	4	F	1492-IFM40F-F24AD-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS24A-4	—	—	1492-CABLE***Y

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***Y becomes 1492-CABLE***Y26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
- (5) 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.

1756-IB16I, 1756-IB16IK

ControlLogix DC (10...30V) isolated input module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24A-4	—	—	1492-CABLE***Y
Fusible, Isolated	Blown Fuse	4	F	1492-IFM40F-FS24A-4	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y

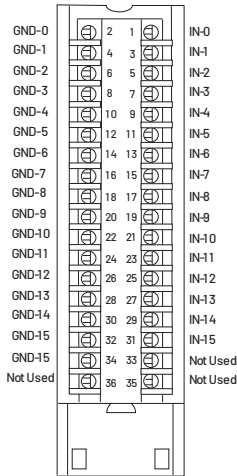
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

(3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IB16IF, 1756-IB16IFK

ControlLogix DC (10...30V) sinking or sourcing, isolated, fast input module

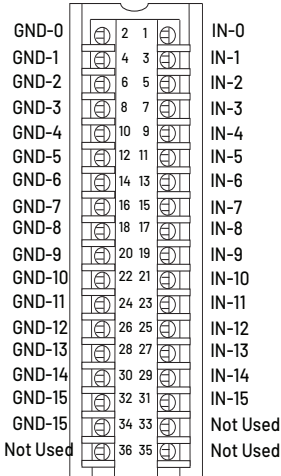


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24A-4	—	—	1492-CABLE***Y
Fusible, Isolated	Blown Fuse	4	F	1492-IFM40F-FS24A-4	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IB16ISOE, 1756-IB16ISOEK

ControlLogix DC (10...55V) sequence of events input module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24A-4	—	—	1492-CABLE***Y
Fusible, Isolated	Blown Fuse	4	F	1492-IFM40F-FS24A-4	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y

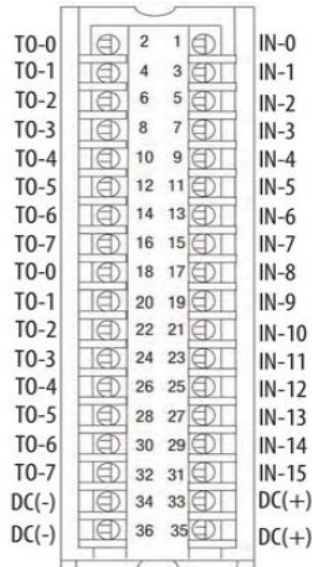
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

(3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IB16S

ControlLogix DC 24V safety input module

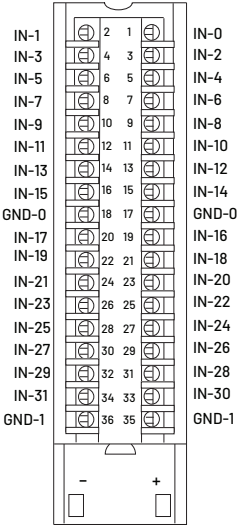


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	-	-	-	-	-	-	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	-	-	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z

- (1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IB32, 1756-IB32K

ControlLogix DC (10...31.2V) input module

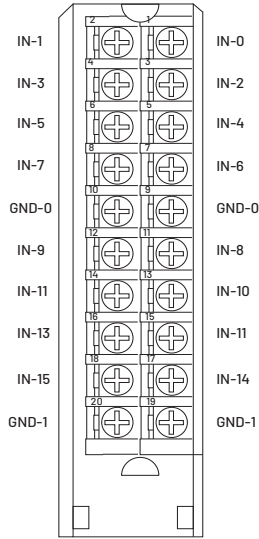


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. (1)	RTB required (2)		Cable Cat. No. (3) (4)
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Z
	Sensor	3	F	1492-IFM40F-3	—	—	1492-CABLE***Z
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Z
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Z
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CABLE***Z
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40D24A-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40D24A-2	RTB20N	RTB20P	1492-CABLE***Z
	Sensor	3	F	1492-IFM40D24-3	—	—	1492-CABLE***Z
Safety Integrity Level (SIL) (5)	Blown Fuse	2	F	1492-TIFM40F-F24A-2	—	—	1492-CABLE***Z

(1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
 (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
 (5) 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.

1756-IC16

ControlLogix DC (30...60V) input module

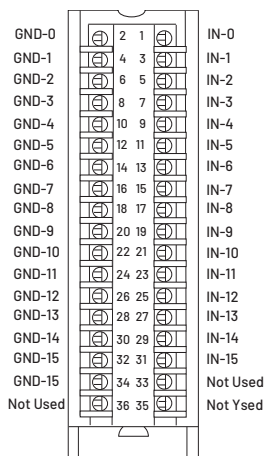


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
Sensor	3	F	1492-IFM20F-3	—	—	1492-CABLE***X	
Feed Through Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IH16I, 1756-IH16IK

ControlLogix 125V DC isolated input module

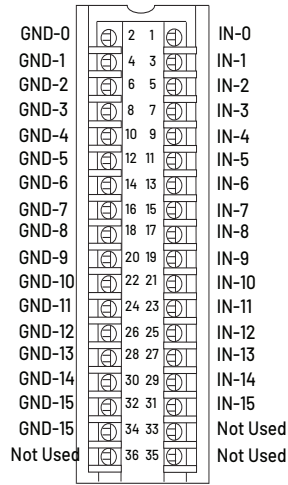


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through - Reduced Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS120A-4	—	—	1492-CABLE***Y
		4	R	1492-RIFM40F-FS120A-4	RTB20N	RTB20P	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IH16ISOE, 1756-IH16ISOEK

ControlLogix DC (90...140V) sequence of events input module

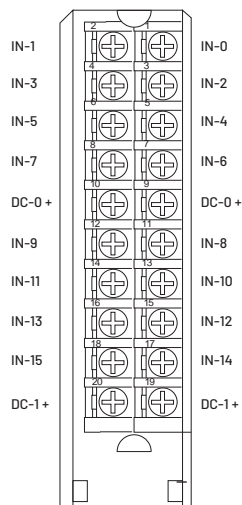


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through - Reduced Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	4	F	1492-IFM40F-FSA-4	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS120A-4	—	—	1492-CABLE***Y
		4	R	1492-RIFM40F-FS120A-4	RTB20N	RTB20P	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IV16, 1756-IV16K

ControlLogix DC (10...30V) sourcing input module

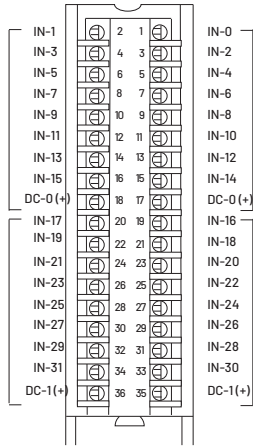


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
	Sensor	3	F	1492-IFM20F-3	—	—	1492-CABLE***X
	Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—
1			R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
Narrow		1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
Extra Terminals		2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***X
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***X
	Sensor	3	F	1492-IFM20D24-3	—	—	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-IV32, 1756-IV32K

ControlLogix DC (10...30V) sourcing input module



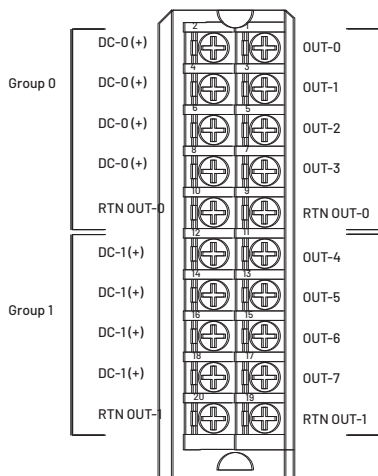
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. (1)	RTB required (2)		Cable Cat. No. (3) (4)
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Z
Sensor	3	F	1492-IFM40F-3	—	—	1492-CABLE***Z	
	3	R	1492-RIFM40F-3	RTB20N	RTB20P	1492-CABLE***Z	
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Z
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Z
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CABLE***Z
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40D24A-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40D24A-2	RTB20N	RTB20P	1492-CABLE***Z
Sensor	3	F	1492-IFM40D24-3	—	—	1492-CABLE***Z	

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

DC Digital Outputs

1756-OB8, 1756-OB8K

ControlLogix DC (10...30V) output module

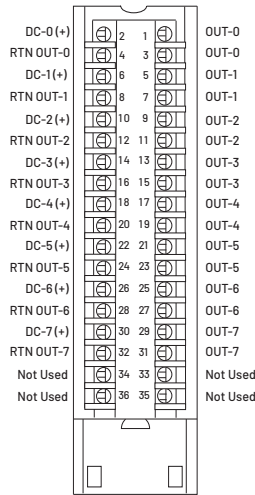


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED Indicating	Isolated, Extra	4	F	1492-IFM20DS24-4	—	—	1492-CABLE***W
Fusible, Isolated	Blown Fuse	2	F	1492-IFM20F-FS24-2	—	—	1492-CABLE***W
	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***W

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OB8EI, 1756-OB8EIK

ControlLogix DC (10...30V) electronically-fused, isolated output module

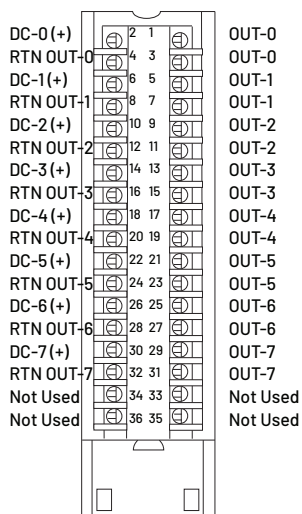


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. (2) (3)
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-0B8I

ControlLogix DC (10...30V) isolated output module

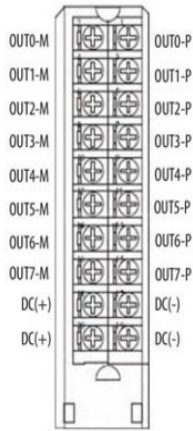


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

756-OBV8S

ControlLogix DC 24V safety output module

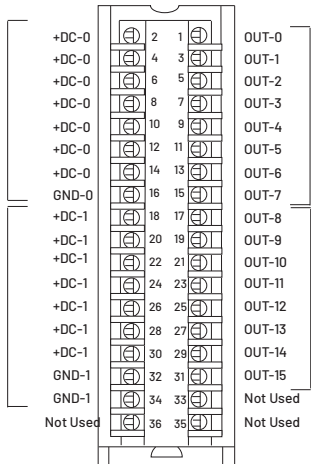


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready	-	-	-	-	-	-	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM20F	-	-	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X

- (1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OB16D, 1756-OB16DK

ControlLogix DC (19.2...30V) diagnostic output module

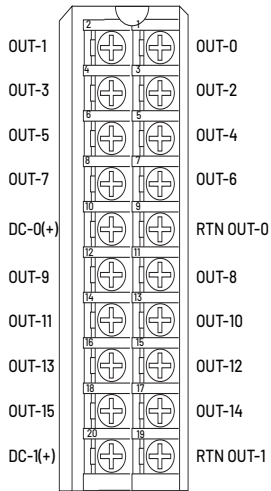


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ^{(3) (4)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible	Blown Fuse	2	F	1492-IFM40F-F24D-2	—	—	1492-CABLE***Y
		2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y	
	Extra Terminals ⁽⁵⁾	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y
Safety Integrity Level (SIL)	Blown Fuse	2	F	1492-TIFM40F-24-2	—	—	1492-CABLE***Z

(1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs
 (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
 (5) 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.

1756-OB16E, 1756-OB16EK

ControlLogix DC (10...31.2V) electronically-fused output module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***X
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CABLE***X
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

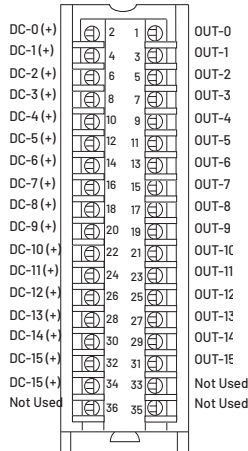
1756-OB16E, 1756-OB16EK (continued)

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
Relay (LED Indication)	High Density Master - 16 Relays Mechanical	1	F	1492-XIMTR2024-16R	—	—	1492-CABLE***X
		1	R	1492-RXIMTR2024-16R	RTB20N	RTB20P	1492-CABLE***X
	High Density Master - 16 Relays Solid State	1	F	1492-XIMTS2024-16R	—	—	1492-CABLE***X
		1	R	1492-RXIMTS2024-16R	RTB20N	RTB20P	1492-CABLE***X
	Master - 16 Relays Fusing	1	F	1492-XIM2024-16RF	—	—	1492-CABLE***X
	Master - 16 Relays	1	F	1492-XIM2024-16R	—	—	1492-CABLE***X
	Master/Expander Assembly - 16 Relays Total	1	F	1492-XIM2024-8R	—	—	1492-CABLE***X
		1	F	1492-XIM24-8R	—	—	—
	Master/Expander Assembly - 8 Relays and 8 Feed Through	1	F	1492-XIM2024-8R	—	—	1492-CABLE***X
		2	F	1492-XIMF-2	—	—	—

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OB16I, 1756-OB16IK

ControlLogix 24V DC isolated output module

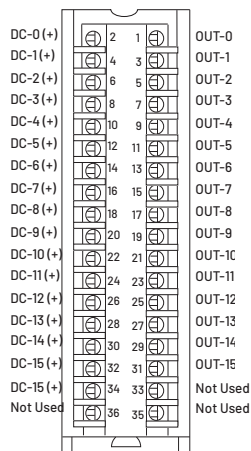


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated ⁽⁴⁾	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2.
- (4) Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

1756-OB16IEF, 1756-OB16IEFK

ControlLogix DC (10...30V) electronically-protected, sinking or sourcing, isolated, fast output module

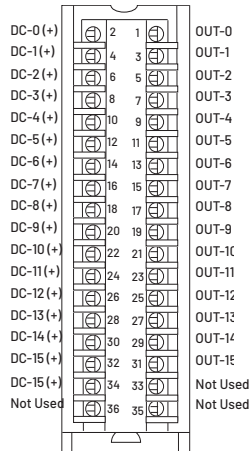


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
			R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
			R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated ⁽⁴⁾	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
- (4) Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

1756-OB16IEFS, 1756-OB16IEFSK

ControlLogix DC (10...30V) scheduled, electronically-protected, sinking or sourcing, isolated, fast output module

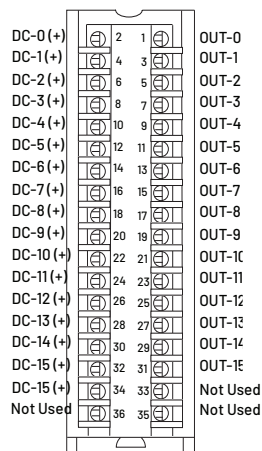


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated ⁽⁴⁾	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
- (4) Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

1756-OB16IS

ControlLogix 24V DC scheduled, isolated output module

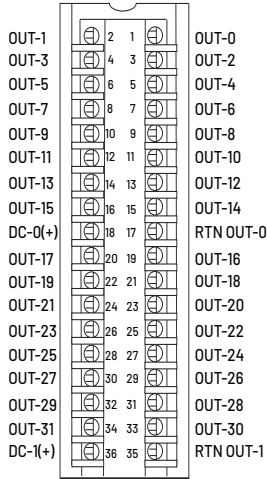


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
Fusible, Isolated ⁽⁴⁾	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Extra Terminals	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
	Extra Terminals	4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
- (4) Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

1756-OB32, 1756-OB32K

ControlLogix DC (10...31.2V) output module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ^{(3) (4)}
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Z
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Z
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Z
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CABLE***Z
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40D24-2	—	—	1492-CABLE***Z
Fusible	Blown Fuse	2	F	1492-IFM40F-F24-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-F-2	—	—	1492-CABLE***Z

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OB32, 1756-OB32K (continued)

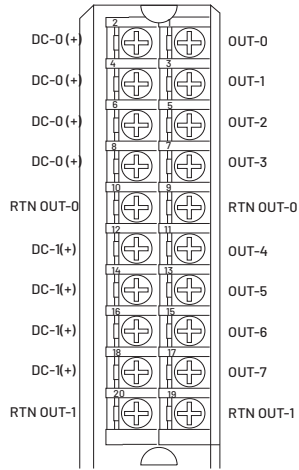
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ^{(3) (4)}
					Screw	Push-in	

Relay (LED Indication)	High Density Master - 32 Relays Mechanical	1	F	1492-XIMTR4024-32R	—	—	1492-CABLE***Z
		1	R	1492-RXIMTR4024-32R	RTB20N	RTB20P	1492-CABLE***Z
	High Density Master - 32 Relays Solid State	1	F	1492-XIMTS4024-32R	—	—	1492-CABLE***Z
		1	R	1492-RXIMTS4024-32R	RTB20N	RTB20P	1492-CABLE***Z
	Master/Expander Assembly 32 Total Relays with Fusing	1	F	1492-XIM4024-16RF	—	—	1492-CABLE***Z
		1	F	1492-XIM24-16RF	—	—	
	Master/Expander/Expander Assembly - 32 Total Relays	1	R	1492-RXIM4024-16R	RTB14N	RTB14P	1492-CABLE***Z
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	
	Master/Expander/Expander Assembly - 32 Total Relays	1	F	1492-XIM4024-16R	—	—	1492-CABLE***Z
		1	F	1492-XIM24-8R	—	—	
		1	F	1492-XIM24-8R	—	—	
	Master/Expander/Expander Assembly - 24 Total Relays and 8 Feed Through Channels	1	F	1492-XIM4024-16R	—	—	1492-CABLE***Z
		1	R	1492-XIM24-8R	—	—	
		2	F	1492-XIMF-2	—	—	
	Master/Expander/Expander Assembly - 16 Relays and 16 Feed Through Channels	1	F	1492-XIM4024-16R	—	—	1492-CABLE***Z
		2	F	1492-XIMF-2	—	—	
		2	F	1492-XIMF-2	—	—	

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OC8, 1756-OC8K

ControlLogix DC (30...60V) output module

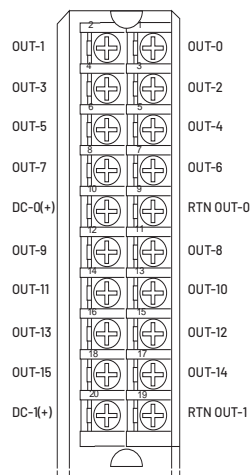


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***U
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***U
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***U
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***U
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***U
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***U
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***U
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***U
LED Indicating	Isolated, Extra Terminals	4	F	1492-IFM20DS24-4	—	—	1492-CABLE***W
Fusible, Isolated	Blown Fuse	2	F	1492-IFM20F-FS24-2	—	—	1492-CABLE***W
	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***W

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OV16E

ControlLogix DC (10...30V) electronically-fused, sinking output module.

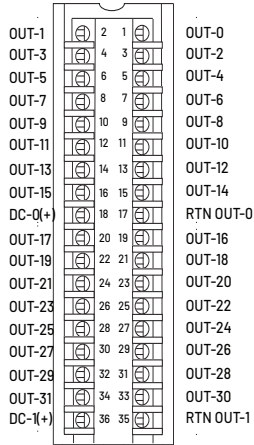


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBNH
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***X
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***X
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***X
Feed Through Reduced-Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***X
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***X
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***X
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CABLE***X
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***X
	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CABLE***X
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***X

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OV32E, 1756-OV32K

ControlLogix DC (10...30V) electronically-fused, sinking output module



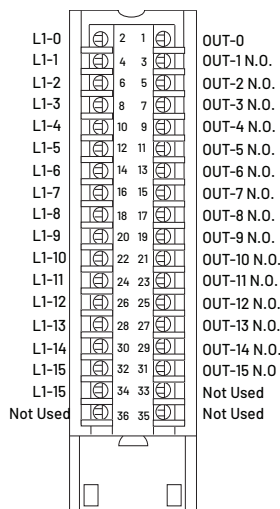
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. (1)	RTB required(2)		Cable Cat. No. (3) (4)
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Z
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***Z
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Z
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40FH-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CABLE***Z
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CABLE***Z
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40D24-2	—	—	1492-CABLE***Z
Fusible	Blown Fuse	2	F	1492-IFM40F-F24-2	—	—	1492-CABLE***Z
		2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CABLE***Z
	Extra Terminals	2	F	1492-IFM40F-F-2	—	—	1492-CABLE***Z
Relay	High Density Master (LED Indication) - 32 Relays Mechanical	1	F	1492-XIMTR4024-32R	—	—	1492-CABLE***Z
		1	R	1492-RXIMTR4024-32R	RTB20N	RTB20P	1492-CABLE***Z

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

Relay Outputs

1756-OW16I, 1756-OW16IK

ControlLogix AC (10...240V) DC (5...125V) isolated contact module

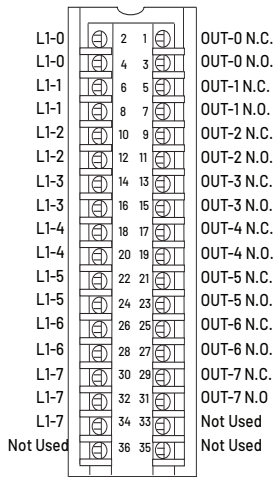


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. (1)	RTB required(2)		Cable Cat. No. (3) (4)
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through Reduced-Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
	Isolated	4	F	1492-IFM40DS120-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Blown Fuse	2	F	1492-IFM40F-FS120-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40F-FS120-2	RTB20N	RTB20P	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS120-4	—	—	1492-CABLE***Y
		4	R	1492-RIFM40F-FS120-4	RTB17N	RTB17P	1492-CABLE***Y
	Blown Fuse	4	F	1492-IFM40F-FS240-4	—	—	1492-CABLE***Y

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (4) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.

1756-OX8I, 1756-OX8IK

ControlLogix AC (10...240V) DC (5...125V) isolated contact module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ^{(2) (3)}
					Screw	Push-in	
I/O Ready Cable	—	—	—	—	—	—	1492-CABLE***TBCH
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CABLE***Y
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***Y
Feed Through - Reduced Height	Standard	1	F	1492-IFM40FH	—	—	1492-CABLE***Y
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CABLE***Y
LED Indicating	Isolated	4	F	1492-IFM40DS24-4	—	—	1492-CABLE***Y
	Isolated	4	F	1492-IFM40DS120-4	—	—	1492-CABLE***Y
Fusible, Isolated	Extra Terminals	2	F	1492-IFM40F-FS24-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS24-4	—	—	1492-CABLE***Y
	Blown Fuse	2	F	1492-IFM40F-FS-2	—	—	1492-CABLE***Y
		4	F	1492-IFM40F-FS-4	—	—	1492-CABLE***Y
	Blown Fuse	2	F	1492-IFM40F-FS120-2	—	—	1492-CABLE***Y
		2	R	1492-RIFM40F-FS120-2	RTB20N	RTB20P	1492-CABLE***Y
		4	F	1492-IFM40F-FS120-4	—	—	1492-CABLE***Y
		4	R	1492-RIFM40F-FS120-	RTB17N	RTB17P	1492-CABLE***Y
4	F	1492-IFM40F-FS240-4	—	—	1492-CABLE***Y		

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
- (3) The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please Add "26" to the end of the catalog number. Example: 1492-CABLE***X becomes 1492-CABLE***X26. Does not apply to 1492-CABLE***TBNH or 1492-CABLE***TBCH.
- (4) Do not use this module in output sinking mode with fused IFM modules as the IFM module fuses will not properly protect the circuit.

Pre-Wired Digital Cables for ControlLogix Digital I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#).

1492 - CABLE 010 A



Standard or Build-to-Order Length Cable		
Code	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...	0.1...2.0 m (0.328...6.56 ft)	Build-to-Order Length
020	0.1 m (0.328 ft) increments	
020...	2.0...10.0 m (6.56...32.8 ft)	
100	0.5 m (1.64 ft) increments	
100...	10.0...30.0 m (32.8...98.4 ft)	
300	1.0 m (3.28 ft) increments	

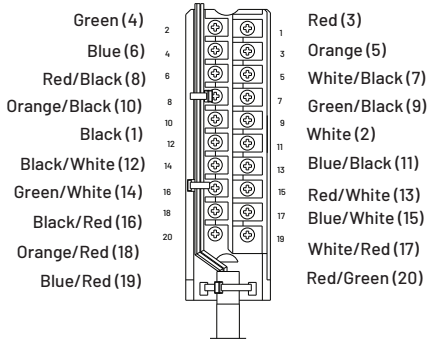
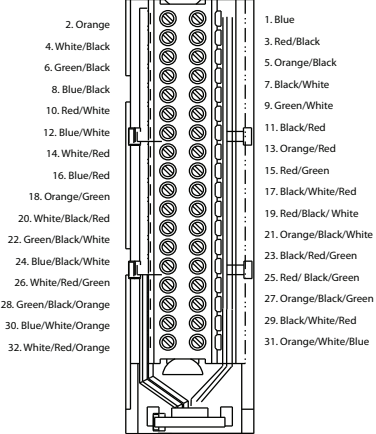
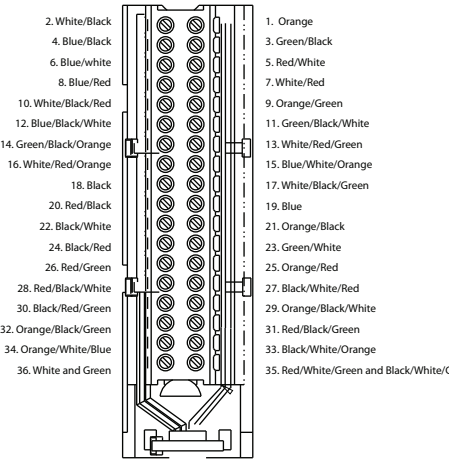
Cable Type	
Code	Descriptions ⁽¹⁾
U, V, W, X	Pre-wired cables for 8- and 16-point digital Bulletin 1756 I/O modules
Y, Z	Pre-wired cables for 16-point isolated and 32-point digital Bulletin 1756 I/O modules
P	Digital IFM-ready cable with 20 conductors
Q	Digital IFM-ready cable with 40 conductors
TBCH	Digital I/O module-ready cable with 36-pin Catalog Number 1756-TBCH removable terminal block
TBNH	Digital I/O module-ready cable with 20-pin Catalog Number 1756-TBNH removable terminal block

(1) 26 AWG cables are available that provide greater flexibility with the limitation of 1 amp per I/O channel for cable types U, V, W, X, Y, and Z.

Specifications and Pinouts

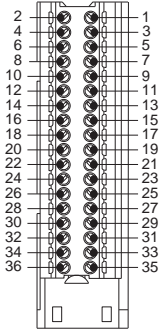
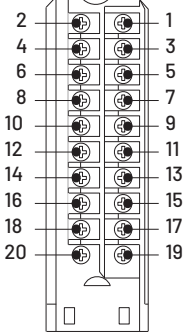
Pre-Wired Cables

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
Pre-Wired Cables					
1492-CABLE*U	20	#22 AWG	9.0 mm (0.36 in.)	1756-TBNH	
1492-CABLE*V	20	#22 AWG	9.0 mm (0.36 in.)	1756-TBNH	
1492-CABLE*W	20	#22 AWG	9.0 mm (0.36 in.)	1756-TBNH	

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CABLE*X	20	#22 AWG	9.0 mm (0.36 in.)	1756-TBNH	
1492-CABLE*Y	40	#22 AWG	11.7 mm (0.46 in.)	1756-TBCH	
1492-CABLE*Z	40	#22 AWG	11.7 mm (0.46 in.)	1756-TBCH	

(1) Cables are available in standard lengths of 0.5m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-CABLE005Y** is for a 0.5 m cable. Refer to [Standard or Build-to-Order Length Cable on page 47](#)

I/O Ready Cable

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
I/O Ready Cables					
1492-CABLE*TBCH	40	#18 AWG	14.1 mm (0.55 in.)	1756-TBCH (36-Point)	
1492-CABLE*TBNH	20	#18 AWG	11.4 mm (0.45 in.)	1756-TBNH (20-Point)	

(1) Cables are available in lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-CABLE025WH** is for a 2.5 m cable with a pre-wired 1771-WH Wiring Arm on one end. Also refer to [Standard or Build-to-Order Length Cable on page 47](#).

Wire Colors for I/O Module-Ready Cables and IFM Pin Reference Number for I/O Ready Pre-Wired Cables

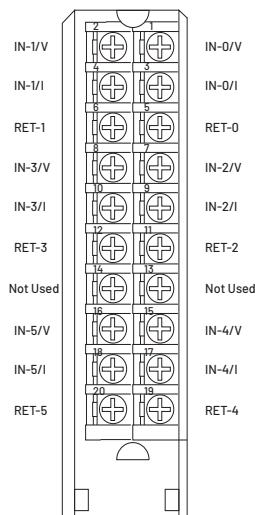
IFM Pin Reference Number	Wire Color Base/Stripe/Stripe	IFM Pin Reference Number	Wire Color Base/Stripe/Stripe	IFM Pin Reference Number	Wire Color Base/Stripe/Stripe	IFM Pin Reference Number	Wire Color Base/Stripe/Stripe
1	Black	11	Blue/Black	21	Orange/Green	31	Green/Black/Orange
2	White	12	Black/White	22	Black/White/Red	32	Orange/Black/Green
3	Red	13	Red/White	23	White/Black/Red	33	Blue/White/Orange
4	Green	14	Green/White	24	Red/Black/White	34	Black/White/Orange
5	Orange	15	Blue/White	25	Green/Black/	35	White/Red/Orange
6	Blue	16	Black/Red	26	Orange/Black/	36	Orange/White/Blue
7	White/Black	17	White/Red	27	Blue/Black/White	37	White/Red/Blue
8	Red/Black	18	Orange/Red	28	Black/Red/Green	38	Black/White/Green
9	Green/Black	19	Blue/Red	29	White/Red/Green	39	White/Black/Green
10	Orange/Black	20	Red/Green	30	Red/Black/Green	40	Red/White/Green

1756 ControlLogix Analog IFMs

Analog Inputs

1756-IF6CIS

ControlLogix sourcing current loop analog input module

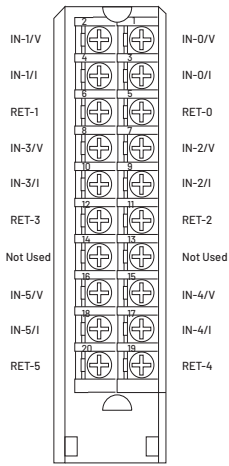


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single Ended, Internal Power	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Z
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Z
Single Ended, External Power	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Z
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Z

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF6I

ControlLogix isolated voltage/current analog input module

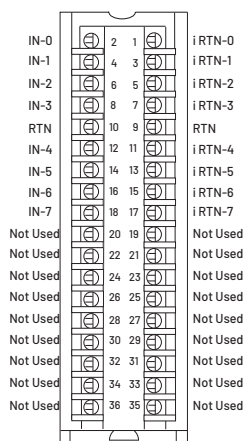


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single Ended, Internal Power	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Z
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Z
Single Ended, External Power	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Z
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Z

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF8, 1756-IF8K

ControlLogix voltage/current analog input module

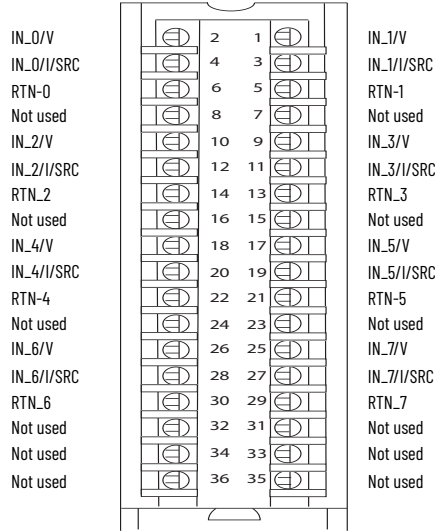


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single Ended Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE****TA
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE****TA
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE****TA
Single Ended Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE****TB
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE****TB
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE****TB
Differential Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE****TC
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE****TC
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE****TC
Differential Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE****TD
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE****TD
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE****TD

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF8I, 1756-IF8IK

ControlLogix isolated voltage/current analog input module

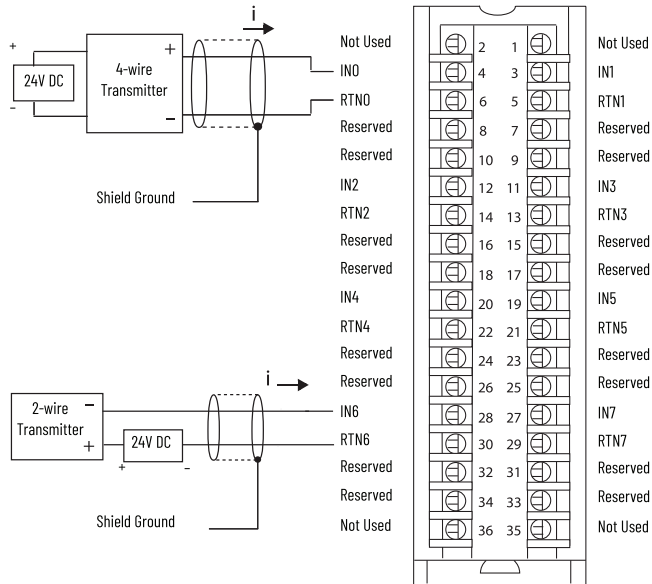


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Differential Current	6 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YA
		3	R	1492-RAIFM6S-3	RTB16N	RTB16P	
Differential Current	8 Channel Isolated	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YA
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	
Single Ended Current	6 Channel Isolated, External Loop Power Source	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YE
		3	R	1492-RAIFM6S-3	RTB16N	RTB16P	
Single Ended Current	8 Channel Isolated, External Loop Power Source	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YE
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	
Single Ended Current	6 Channel Isolated, External Loop Power Source	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YD
		3	R	1492-RAIFM6S-3	RTB16N	RTB16P	
Single Ended Current	8 Channel Isolated, External Loop Power Source	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YD
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	
Differential Voltage	6 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YB
		3	R	1492-RAIFM6S-3	RTB16N	RTB16P	
Differential Voltage	8 Channel Isolated	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YB
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF8IH, 1756-IF8IHK

ControlLogix isolated voltage/current analog input module

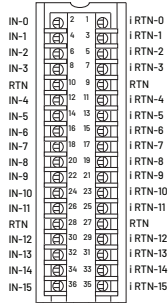


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Differential Current	8 Channel Isolated	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YA
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	
Differential Voltage	8 Channel Isolated	3	F	1492-RAIFM8S-3			1492-ACABLE***YB
		3	R	1492-RAIFM8S-3	RTB16N	RTB16P	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF16, 1756-IF16K

ControlLogix voltage/current analog input module

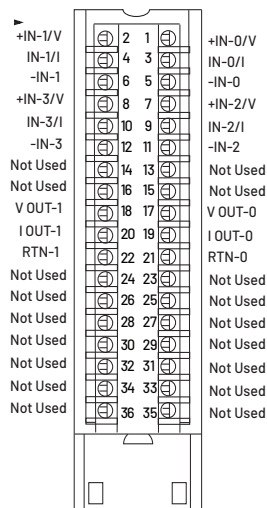


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single Ended Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UA
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UA
	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—	1492-ACABLE***UA
		5	F	1492-AIFM16-F-5	—	—	1492-ACABLE***UA
	Safety Integrity Level (SIL) ⁽³⁾	3	F	1492-TAIFM16-F-3 ⁽⁴⁾	—	—	1492-ACABLE***UA
Single Ended Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UB
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UB
	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—	1492-ACABLE***UB
		5	F	1492-AIFM16-F-5	—	—	1492-ACABLE***UB
Differential Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UC
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UC
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***UC
		Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—
			5	F	1492-AIFM16-F-5	—	1492-ACABLE***UC
Differential Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UD
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UD
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***UD
		Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—
			5	F	1492-AIFM16-F-5	—	1492-ACABLE***UD

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (3) 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.
 (4) For SIL 2 applications use (2) 1492-TAIFM16-F-3, (2) 1756-IF16 and (2) 1492-ACABLE*UA Components.
 See [Fused Termination Module for use in SIL 2 Safety Shutdown Applications with Two 1756-IF16 Analog Input Modules](#)

1756-IF4FXOF2F, 1756-IF4FXOF2FK

ControlLogix high-speed input/output analog module



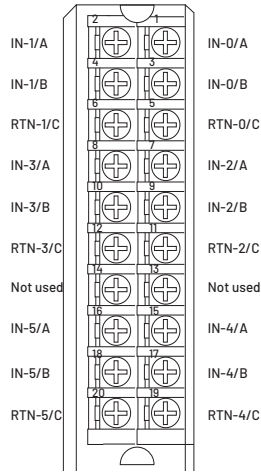
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current (In and Out)	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***ZA
			R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***ZA
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***ZA
Voltage (In and Out)	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***ZB
			R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***ZB
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***ZB
Current In and Voltage Out	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***ZC
			R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***ZC
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***ZC

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Temperature Sensing Analog Inputs

1756-IR6I, 1756-IR6IK

ControlLogix temperature sensing analog input module

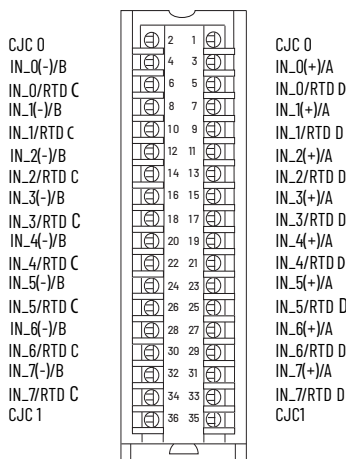


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Standard	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Z
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Z

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IRT8I, 1756-IRT8IK

ControlLogix isolated RTD/Thermocouple analog input module.

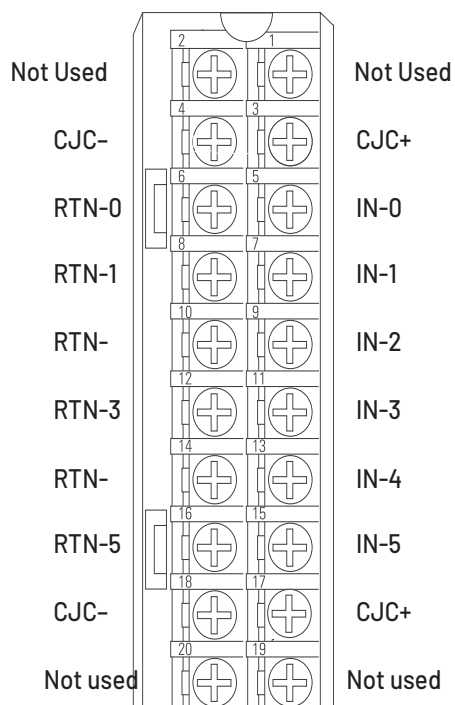


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Thermocouple	8 Channel Isolated Feed Through	3	F	1492-AIFM8TC-3	—	—	1492-ACABLE***YC
		3	R	1492-RAIFM8TC-3	RTB16N	RTB16P	1492-ACABLE***YC
RTD	8 Channel Isolated Feed Through	3	F	1492-AIFM8-3	—	—	1492-ACABLE***YF
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***YF

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IT6I2

ControlLogix enhanced thermocouple analog input module

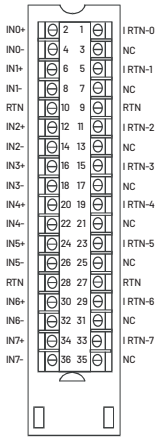


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
Standard	6 Channel Thermocouple	3	F	1492-AIFM6TC-3	1492-ACABLE***YT

- (1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0m cable = 050. Custom lengths are available.

1756-IF8H, 1756-IF8HK

ControlLogix voltage/current analog input module with HART protocol

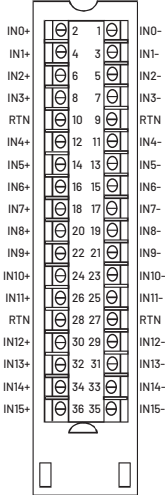


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage with HART	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UC
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UC
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***UC
Current with HART	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***UD
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACABLE***UD
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACABLE***UD

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-IF16H, 1756-IF16HK

ControlLogix current analog input module with HART protocol



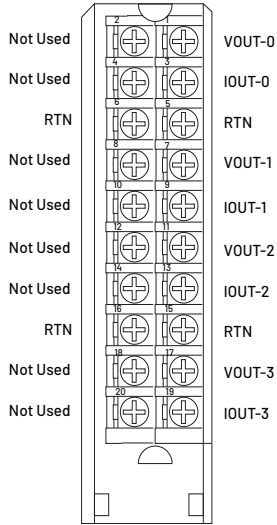
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
Single Ended with HART	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	1492-ACABLE***UB
Differential with HART ⁽²⁾	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	1492-C005005UF ⁽³⁾

(1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.
 (2) Requires two 1492-AIFM16-F-3 module, and one cable 1492-C005005UF (0.5m length). Other cable lengths are available.
 (3) For 1492-C005005UF, part number includes 0.5m cable length (double ended cable).

Analog Outputs

1756-OF4, 1756-OF4K

ControlLogix voltage/current output analog module

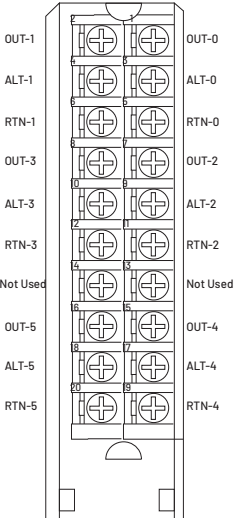


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACABLE***VA
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***VA
Current	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACABLE***VB
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***VB

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-OF6C1

ControlLogix current loop output analog module

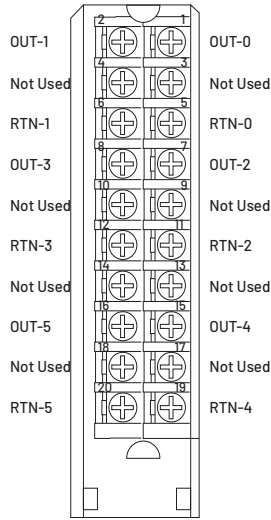


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Standard	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Y
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Y

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-OF6VI

ControlLogix voltage loop output analog module

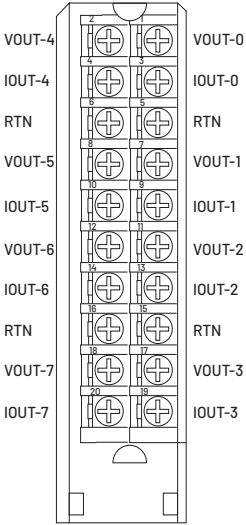


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Standard	6 Channel Isolated	3...4	F	1492-AIFM6S-3	—	—	1492-ACABLE***Y
		3...4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***Y

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available

1756-OF8, 1756-OF8K

ControlLogix voltage/current output analog module

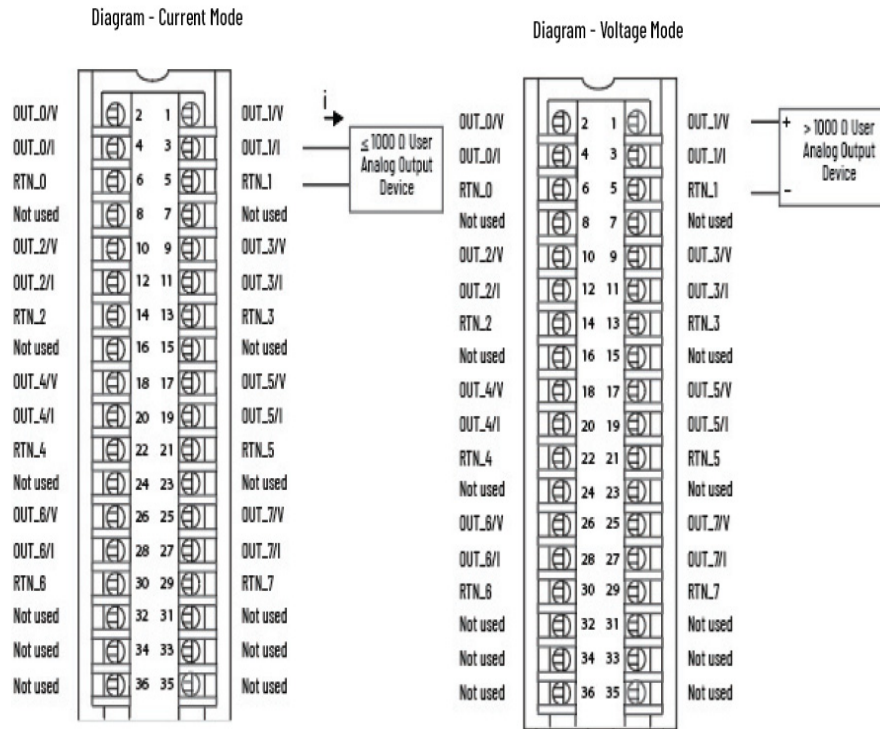


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***WA
		3	R	1492-RAIFM8-3	—	—	1492-ACABLE***WA
Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***WB
		3	R	1492-RAIFM8-3	RTB8N	RTB8P	1492-ACABLE***WB

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-OF8I, 1756-OF8IK

Wiring Diagram for 1756-OF8I and 1756-OF8IK Modules

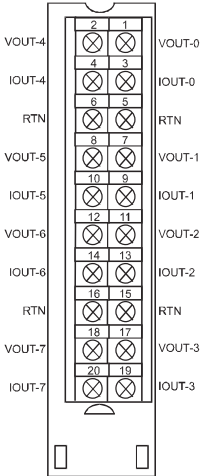


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	8 Channel Isolated	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YA
Current	8 Channel Isolated	3	R	1492-RAIFM8S-3	RTB12N	RTB12P	1492-ACABLE***YA
Voltage	8 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YB
Voltage	8 Channel Isolated	3	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***YB
Voltage	6 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YB
Voltage	6 Channel Isolated	3	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***YB

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-OF8H, 1756-OF8H

ControlLogix voltage/current output analog module with HART protocol

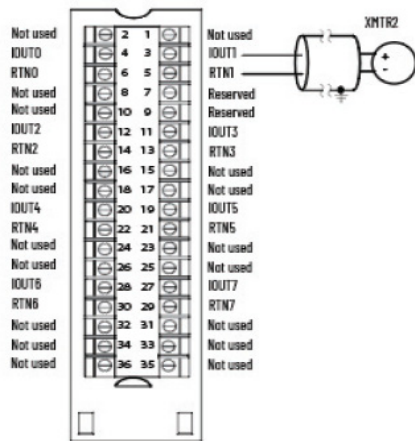


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage with HART	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***WA
			R	1492-RAIFM8-3	RTB16N	RTB16P	
Current with HART	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACABLE***WB
			R	1492-RAIFM8-3	RTB16N	RTB16P	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1756-OF8IH, 1756-OF8IHK

Wiring Diagram for 1756-OF8IH Module



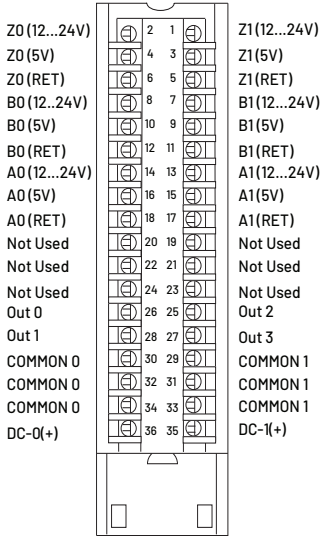
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	8 Channel Isolated	3	F	1492-AIFM8S-3	—	—	1492-ACABLE***YA
Current	8 Channel Isolated	3	R	1492-RAIFM8S-3	RTB12N	RTB12P	1492-ACABLE***YA
Voltage	8 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YB
Voltage	8 Channel Isolated	3	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***YB
Voltage	6 Channel Isolated	3	F	1492-AIFM6S-3	—	—	1492-ACABLE***YB
Voltage	6 Channel Isolated	3	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACABLE***YB

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Specialty Modules

1756-HSC

ControlLogix high-speed counter module

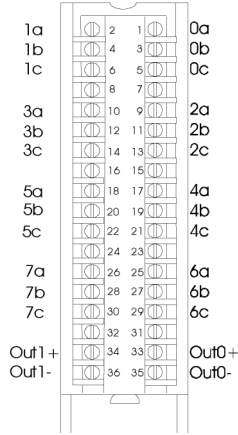


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
12...24V DC	High Speed Counter / Encoder, 2 Channel	1	F	1492-AIFMCE4	1492-ACABLE***XA
	Fusible High-Speed Counter / Encoder, 2 Channel	1	F	1492-AIFMCE4-F	1492-ACABLE***XA
5V DC	High-Speed Counter / Encoder, 2 Channel	1	F	1492-AIFMCE4	1492-ACABLE***XB
	Fusible High-Speed Counter / Encoder, 2 Channel	1	F	1492-AIFMCE4-F	1492-ACABLE***XB

(1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1757-PIM

ControlLogix single-wide I/O module that serves as the interface board between the ProcessLogix™ controller and field transducers that provide pulse inputs.



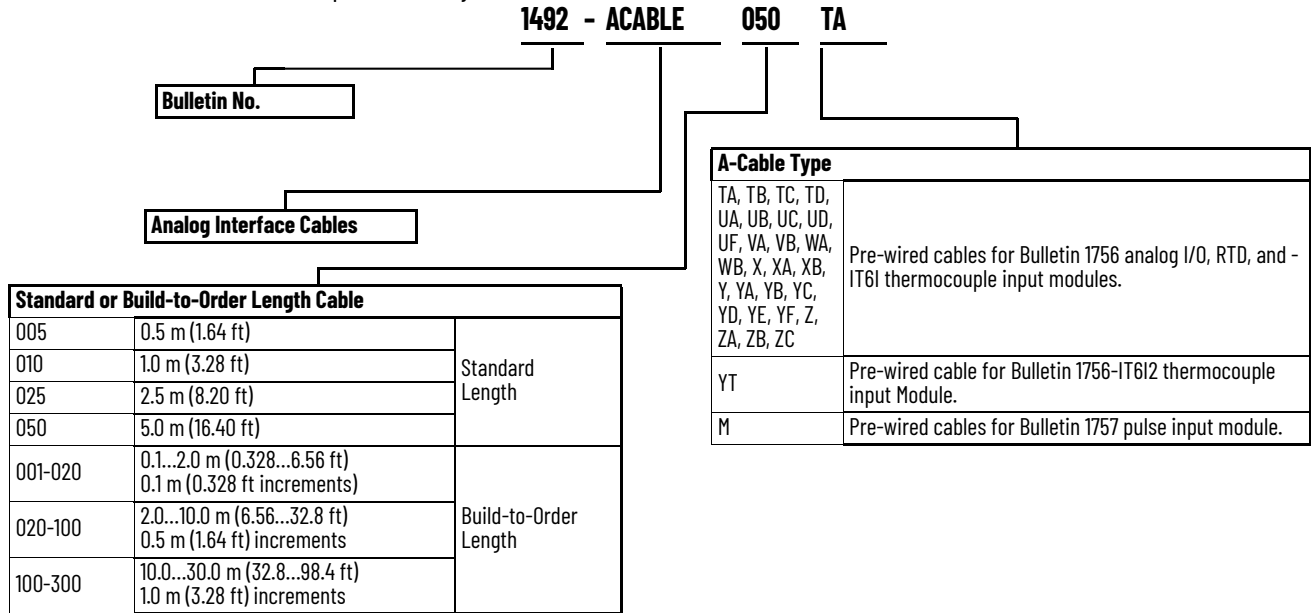
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Standard	Fusible, 8 Input, 2 Output	1	F	1492-AIFMPI	—	—	1492-ACABLE***M

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Pre-Wired Analog Cables for ControlLogix Analog I/O Modules

Catalog Number Explanation

This catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#). Then, use this breakdown for verification and explanation only.



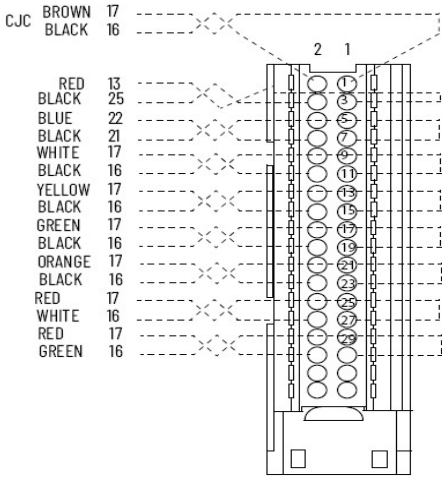
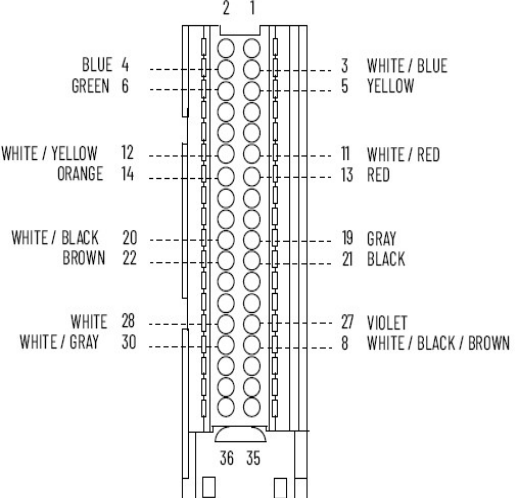
Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*Z	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBNH	
1492-ACABLE*TA	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*TB	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*TC	5 Twisted Pairs	22 AWG	8.43 mm (0.332")	1756-TBCH	

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*TD	5 Twisted Pairs	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*UA	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*UB	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*UC	9 Twisted Pairs	22 AWG	6.78 mm (0.267")	1756-TBCH	

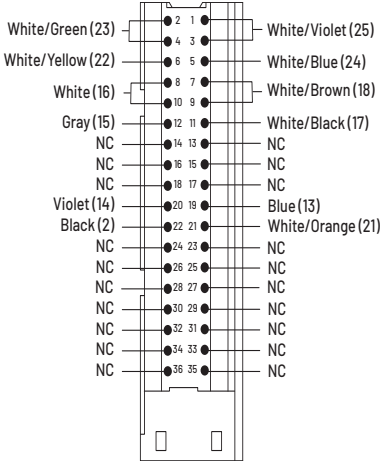
Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*UD	9 Twisted Pairs	22 AWG	6.78 mm (0.267")	1756-TBCH	<p>Red (3) Black (2) White (1) Black (14) Red (6) Green (19)</p> <p>Green (15) Black (16) Blue (17) Black (18) Yellow (12) Black (13) Brown (25) Black (24)</p> <p>Orange (23) Black (22) Red (20) White (21)</p> <p>J1 J2 J3 J4 J5 J6 J7 J8</p>
1492-ACABLE*VA	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBNH	<p>Red (8) Black (15) Black (13) White (14)</p> <p>Green (12) Black (11) Blue (10)</p> <p>2 1 4 3 6 5 8 7 10 9 12 11 14 13 16 15 18 17 20 19</p>
1492-ACABLE*VB	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBNH	<p>Red (8) Black (15) Black (13) White (14)</p> <p>Green (12) Black (11) Black (9) Blue (10)</p> <p>2 1 4 3 6 5 8 7 10 9 12 11 14 13 16 15 18 17 20 19</p>

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*WA	9 Twisted Pairs	22 AWG	6.78 mm (0.267")	1756-TBNH	
1492-ACABLE*WB	9 Twisted Pairs	22 AWG	6.78 mm (0.267")	1756-TBNH	
1492-ACABLE*XA	11 Twisted Pairs	22 AWG	11.5 mm (0.45")	1756-TBCH	

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*XB	11 Twisted Pairs	22 AWG	11.5 mm (0.45")	1756-TBCH	
1492-ACABLE*YA	8 Twisted Pairs	22 AWG	6.76 mm (0.266")	1756-TBCH	
1492-ACABLE*YB	8 Twisted Pairs	22 AWG	6.76 mm (0.266")	1756-TBCH	

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*YC	9 Twisted Pairs	22 AWG	6.76 mm(0.266")	1756-TBCH	 <p>CJC BROWN 17 BLACK 16</p> <p>RED 13 BLACK 25 BLUE 22 BLACK 21 WHITE 17 BLACK 16 YELLOW 17 BLACK 16 GREEN 17 BLACK 16 ORANGE 17 BLACK 16 RED 17 WHITE 16 RED 17 GREEN 16</p>
1492-ACABLE*YD	5 Twisted Pairs	22 AWG	6.76 mm(0.266")	1756-TBCH	 <p>BLUE 4 GREEN 6</p> <p>WHITE / YELLOW 12 ORANGE 14</p> <p>WHITE / BLACK 20 BROWN 22</p> <p>WHITE 28 WHITE / GRAY 30</p> <p>3 WHITE / BLUE 5 YELLOW 11 WHITE / RED 13 RED 19 GRAY 21 BLACK 27 VIOLET 8 WHITE / BLACK / BROWN</p> <p>36 35</p>

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*YE	5 Twisted Pairs	22 AWG	6.76 mm(0.266")	1756-TBCH	
1492-ACABLE*YF	24 Conductors	22 AWG	6.76 mm(0.266")	1756-TBCH	
1492-ACABLE*YT	8 Twisted Pairs	22 AWG	6.76 mm(0.266")	1756-TBCH	

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*ZA	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	 <p>The pinout diagram shows a 35-pin connector with the following color coding and labels:</p> <ul style="list-style-type: none"> Pin 2: White/Green (23) Pin 3: White/Violet (25) Pin 4: White/Yellow (22) Pin 5: White/Blue (24) Pin 6: White (16) Pin 7: White/Brown (18) Pin 8: Gray (15) Pin 9: White/Black (17) Pin 10: NC Pin 11: NC Pin 12: NC Pin 13: NC Pin 14: Violet (14) Pin 15: Blue (13) Pin 16: Black (2) Pin 17: White/Orange (21) Pin 18: NC Pin 19: NC Pin 20: NC Pin 21: NC Pin 22: NC Pin 23: NC Pin 24: NC Pin 25: NC Pin 26: NC Pin 27: NC Pin 28: NC Pin 29: NC Pin 30: NC Pin 31: NC Pin 32: NC Pin 33: NC Pin 34: NC Pin 35: NC

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Nominal Outer Diameter	I/O Module Connector	I/O Module Connector (Removable Terminal Block)	Pinout Diagram
1492-ACABLE*ZB	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-ACABLE*ZC	20 Conductors	22 AWG	8.43 mm (0.332")	1756-TBCH	
1492-C005005UF	9 Twisted Pairs	22 AWG	6.76 mm (0.266")	1756-TBCH	

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-ACABLE005A is for a 0.5 m cable for the 1746-NI4 I/O Module. Also refer to [Standard or Build-to-Order Length Cable on page 71](#).

(2) All pre-wired analog cables have an overall shield. On 1492-ACABLE0C and 1492-ACABLE0D, the drain wire is connected to the shield terminal on the I/O module connector. All other 1492-ACABLEs have a ring lug on the 7.87" (200 mm) exposed drain wire at the I/O module end of the cable. Not every connection is always used.

1769 CompactLogix Wiring Systems

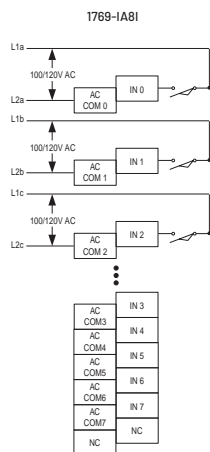
I/O Type		Cat. No.	Page
AC Digital	Input	1769-IA8I, 1769-IA8IK	83
		1769-IA16, 1769-IA16K	84
		1769-IM12	85
	Output	1769-OA8	86
		1769-OA16, 1769-OA16K	87
DC Digital	Input	1769-IQ16, 1769-IQ16K	88
		1769-IQ16F	89
		1769-IQ32, 1769-IQ32K	90
		1769-IQ32T	91
	Output	1769-OB8, 1769-OB8K	92
		1769-OB16, 1769-OB16K	93
		1769-OB16P	95
		1769-OB32, 1769-OB32K	97
		1769-OB32T	99
		1769-OV16	101
		1769-OV32T	102
		1769-OW8	103
		1769-OW8I, 1769-OW8IK	104
		1769-OW16, 1769-OW16K	105
		CompactLogix Digital Cables	
Analog	Input	1769-IF4	110
		1769-IF4I	111
		1769-IF4XOF2	112
		1769-IF4FXOF2F	113
		1769-IF8	114
		1769-IF16C	115
		1769-IF16V	116
	Output	1769-OF2	117
		1769-OF4	118
		1769-OF4CI	119
		1769-OF4VI	120
		1769-OF8C	121
		1769-OF8V	122
CompactLogix Analog Cables			124

1769 Digital IFMs

AC Digital Input

1769-IA8I, 1769-IA8IK

Compact individually-isolated 120V AC input module



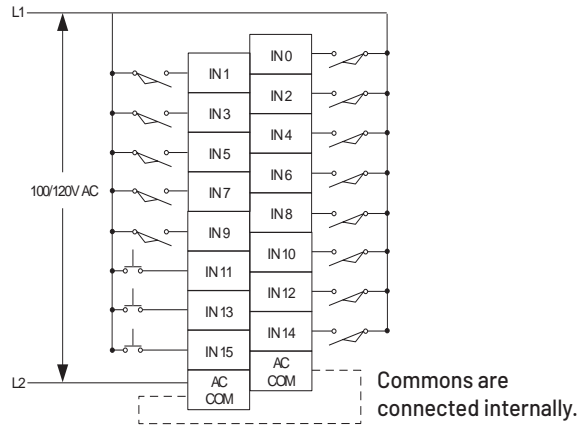
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***F69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***F69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***F69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***F69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***F69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***F69
Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***F69	
	1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***F69	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire which is rated at 2 amps per I/O channel. Please add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-IA16, 1769-IA16K

Compact 120V AC input module



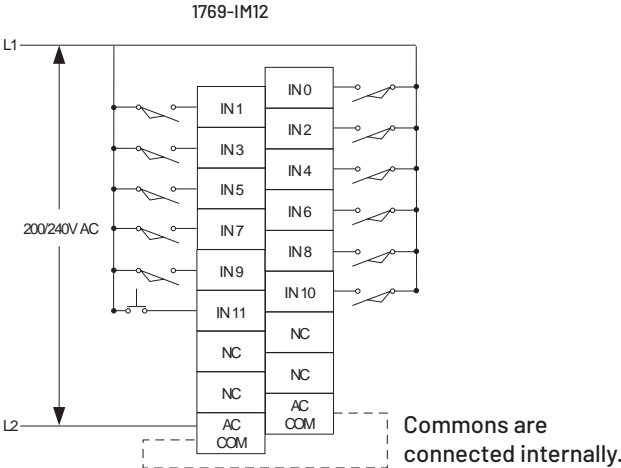
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***A69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***A69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***A69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A69
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***A69
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***A69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A69
Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***A69	
	2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A69	
Sensor	3	F	1492-IFM20F-3	—	—	1492-CAB***A69	
LED Indicating	Standard	1	F	1492-IFM20D120	—	—	1492-CAB***A69
	Narrow	1	F	1492-IFM20D120N	—	—	1492-CAB***A69
	Extra Terminals	2	F	1492-IFM20D120A-2	—	—	1492-CAB***A69
Fusible	Blown Fuse	2	F	1492-IFM20F-F120A-2	—	—	1492-CAB***A69
		2	R	1492-RIFM20F-F120A-2	RTB20N	RTB20P	1492-CAB***A69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-IM12

Compact 240V AC input module.



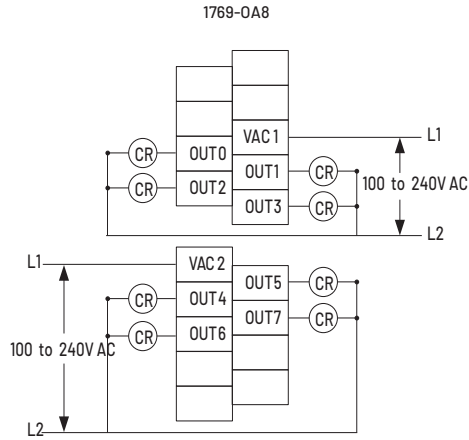
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready	—	—	—	—	—	—	1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***G69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***G69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***G69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***G69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***G69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***G69
Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***G69	
	2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***G69	
LED	Extra Terminals	2	F	1492-IFM20D240A-2	—	—	1492-CAB***G69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

AC Digital Output

1769-OA8

Compact 100/240V AC solid state output module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾	
					Screw	Push-in		
I/O Ready Cable	—	—	—	—	—	—	1492-CAB***RTN10	
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***C69	
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***C69	
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***C69	
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***C69	
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***C69	
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***C69	
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***C69	
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***C69	
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***C69	
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***C69	
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***C69	
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***C69	
	LED Indicating	Isolated	4	F	1492-IFM20DS120-4	—	—	1492-CAB***C69
	Fusible, Isolated	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CAB***C69
Blown Fuse		2	F	1492-IFM20F-FS120-2	—	—	1492-CAB***C69	
		4	F	1492-IFM20F-FS120-4	—	—	1492-CAB***C69	

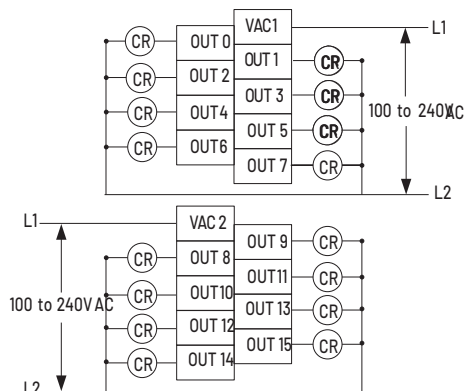
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-OA16, 1769-OA16K

Compact 120/240V AC solid-state output module

1769-OA16



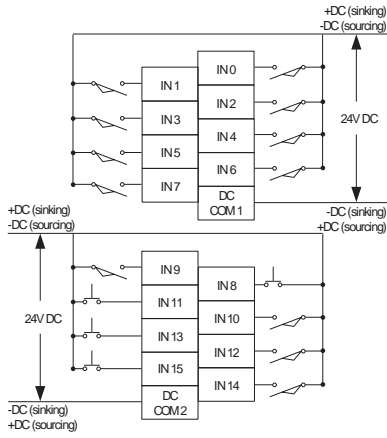
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable	-	-	-	-	-	-	1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	-	-	1492-CAB***M69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***M69
	Narrow	1	F	1492-IFM20FN	-	-	1492-CAB***M69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***M69
	Extra Terminals	2	F	1492-IFM20F-2	-	-	1492-CAB***M69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***M69
LED Indicating	Standard	1	F	1492-IFM20D120	-	-	1492-CAB***M69
	Narrow	1	F	1492-IFM20D120N	-	-	1492-CAB***H69
	Extra Terminals	2	F	1492-IFM20D120-2	-	-	1492-CAB***M69
		2	F	1492-IFM20D240-2	-	-	1492-CAB***M69
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	-	-	1492-CAB***M69
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***M69
	Blown Fuse	2	F	1492-IFM20F-F120-2	-	-	1492-CAB***M69
		2	R	1492-RIFM20F-F120-2	RTB20N	RTB20P	1492-CAB***M69
Relay	Master (LED Indication) - 8 Relays	1	F	1492-XIM20120-8R	-	-	1492-CAB***M69
	Master (LED Indication) - 16 Relays	1	F	1492-XIM20120-16R	-	-	1492-CAB***H69
	Master (LED Indication) - 16 Relays with Fusing	1	F	1492-XIM20120-16RF	-	-	1492-CAB***H69
	Expander (LED Indication and Fusing) - 8 Relays	2	F	1492-XIMF-F120-2	-	-	-
	Expander - Feed Through - 8 Channels	2	F	1492-XIMF-2	-	-	-

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

DC Digital Input

1769-IQ16, 1769-IQ16K

Compact 24V DC sink/source input module

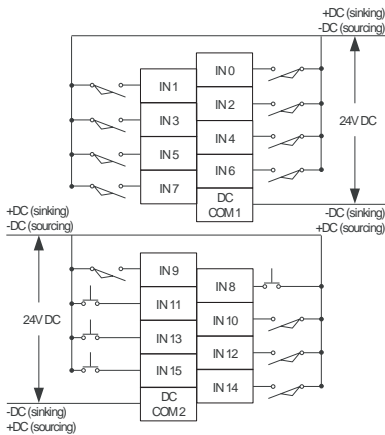


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CAB***RTN10
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***L69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***L69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***L69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***L69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***L69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***L69
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***L69
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***L69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***L69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***L69
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***L69
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***L69

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-IQ16F

Compact 24V DC sink/source input module

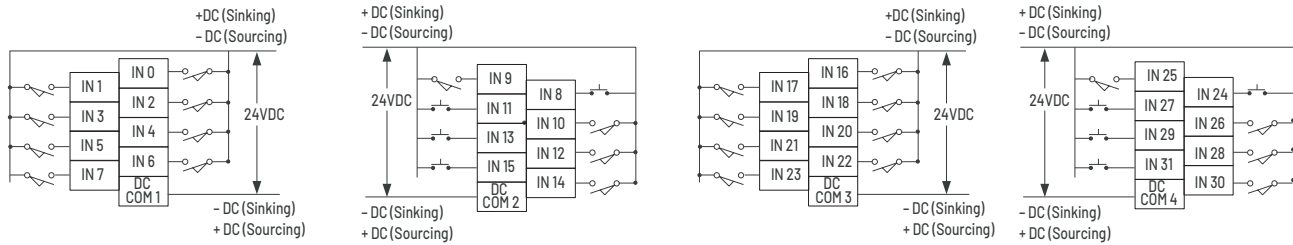


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***B69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***B69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***B69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***B69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***B69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***B69
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***B69
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***B69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***B69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***B69
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***B69
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***B69
Sensor	3	F	1492-IFM20F-3	—	—	1492-CAB***B69	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB***B69
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CAB***B69
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CAB***B69
	Sensor	3	F	1492-IFM20D24-3	—	—	1492-CAB***B69
	Blown Fuse	2	F	1492-IFM20F-F24A-	—	—	1492-CAB***B69
2		R	1492-RIFM20F-	RTB20N	RTB20P	1492-CAB***B69	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-IQ32, 1769-IQ32K

Compact 24V DC sink/source input module

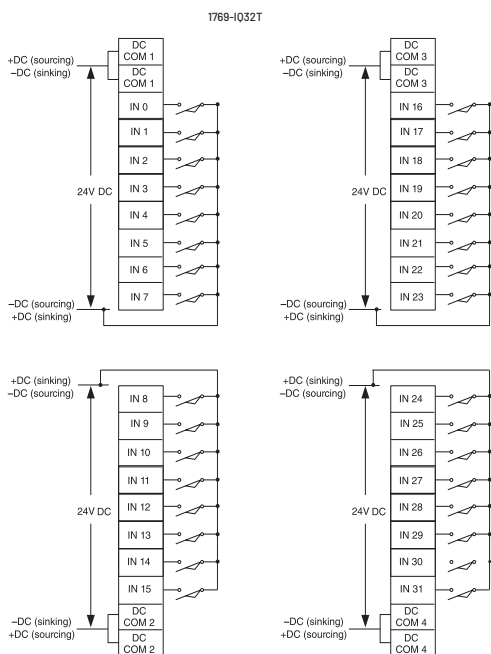


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CAB***J69
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***J69
	Standard Reduced Height	1	F	1492-IFM40FH	—	—	1492-CAB***J69
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***J69
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CAB***J69
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***J69
	Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***J69
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***J69
Sensor	3	F	1492-IFM40F-3	—	—	1492-CAB***J69	
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CAB***J69
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***J69
	Extra Terminals	2	F	1492-IFM40D24A-2	—	—	1492-CAB***J69
		2	R	1492-RIFM40D24A-2	RTB20N	RTB20P	1492-CAB***J69
	Sensor	3	F	1492-IFM40D24-3	—	—	1492-CAB***J69

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (3) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-IQ32T

Compact 24V DC sink/source, terminated input module



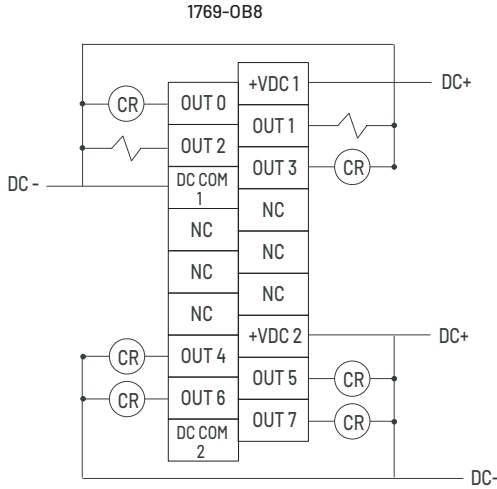
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
I/O Ready							1492-CAB***N3
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CAB***H
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***H
	Standard Reduced	1	F	1492-IFM40FH	—	—	1492-CAB***H
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***H
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CAB***H
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***H
	Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***H
2		R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***H	
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CAB***H
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***H
	Extra Terminals	2	F	1492-IFM40D24A-2	—	—	1492-CAB***H
		2	R	1492-RIFM40D24A-2	RTB20N	RTB20P	1492-CAB***H
	Sensor	3	F	1492-IFM40D24-3	—	—	1492-CAB***H

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (3) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

DC Digital Output

1769-OB8, 1769-OB8K

Compact solid state 24V DC source, high-current output module



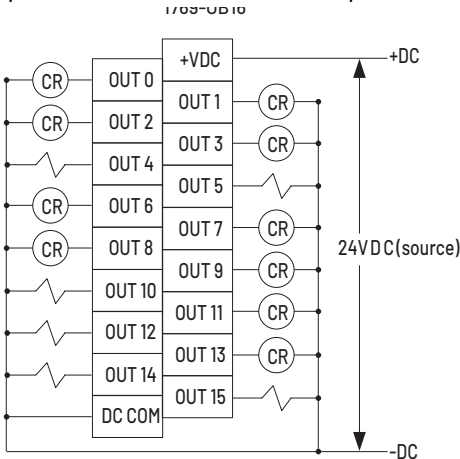
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾	Wiring Diagram
					Screw	Push-in		
I/O Ready Cable		—					1492-CAB***RTN10	40063-317
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***L69	41170-599
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***L69	41170-599
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***L69	41170-599
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***L69	41170-599
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***L69	41170-600
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***L69	41170-600
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***L69	41170-600
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***L69	41170-600
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***L69	41170-601
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***L69	41170-601
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***L69	41170-601
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***L69	41170-601

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-OB16, 1769-OB16K

Compact solid state 24V DC source output module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—	—	—	—	—	1492-CAB****RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB****E69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB****E69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB****E69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB****E69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB****E69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB****E69
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB****E69
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB****E69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB****E69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB****E69
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB****E69
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB****E69
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB****E69
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CAB****E69
	Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CAB****E69
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CAB****E69
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB****E69
	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CAB****E69
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB****E69

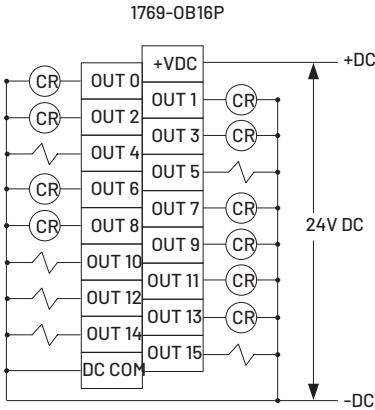
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Relay	High Density Master (LED Indication) - 16 Relays	1	F	1492-XIMTR2024-16R	—	—	1492-CAB***E69
		1	R	1492-RXIMTR2024-16R	RTB20N	RTB20P	1492-CAB***E69
	High Density Master (LED Indication) - 16 Relays Solid	1	F	1492-XIMTS2024-16R	—	—	1492-CAB***E69
		1	R	1492-RXIMTS2024-16R	RTB20N	RTB20P	1492-CAB***E69
	Master (LED Indication) - 16	1	F	1492-XIM2024-16R	—	—	1492-CAB***E69
	Master (LED Indication) - 16	1	F	1492-XIM2024-16RF	—	—	1492-CAB***E69
	Master/Expander Assembly (LED Indication) - 16 Total	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIM24-8R	—	—	1492-CAB***E69
	Master/Expander Assembly - 8 Relays and 8 Fused Feed	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIM24-8R	—	—	1492-CAB***E69
	Master/Expander Assembly - 8 Relays and 8 Feed Through	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIMF-2	—	—	1492-CAB***E69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-OB16P

Compact solid-state 24V DC source, protected output module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾	
					Screw	Push-in		
I/O Ready Cable		—	—	—	—	—	1492-CAB***RTN18	
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***E69	
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***E69	
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***E69	
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***E69	
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***E69	
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***E69	
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***E69	
	LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB***E69
		Narrow	1	F	1492-IFM20D24N	—	—	1492-CAB***E69
Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CAB***E69	
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***E69	
	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***E69	

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Relay	High Density Master (LED Indication) - 16 Relays	1	F	1492-XIMTR2024-16R	—	—	1492-CAB***E69
		1	R	1492-RXIMTR2024-16R	RTB20N	RTB20P	1492-CAB***E69
	High Density Master (LED Indication) - 16 Relays Solid	1	F	1492-XIMTS2024-16R	—	—	1492-CAB***E69
		1	R	1492-RXIMTS2024-16R	RTB20N	RTB20P	1492-CAB***E69
	Master (LED Indication) - 16	1	F	1492-XIM2024-16R	—	—	1492-CAB***E69
	Master (LED Indication) - 16	1	F	1492-XIM2024-16RF	—	—	1492-CAB***E69
	Master/Expander Assembly (LED Indication) - 16 Total	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIM24-8R	—	—	1492-CAB***E69
	Master/Expander Assembly - 8 Relays and 8 Fused	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIM24-8R	—	—	1492-CAB***E69
	Master/Expander Assembly - 8 Relays and 8 Feed	1	F	1492-XIM2024-8R	—	—	1492-CAB***E69
		1	F	1492-XIMF-2	—	—	1492-CAB***E69

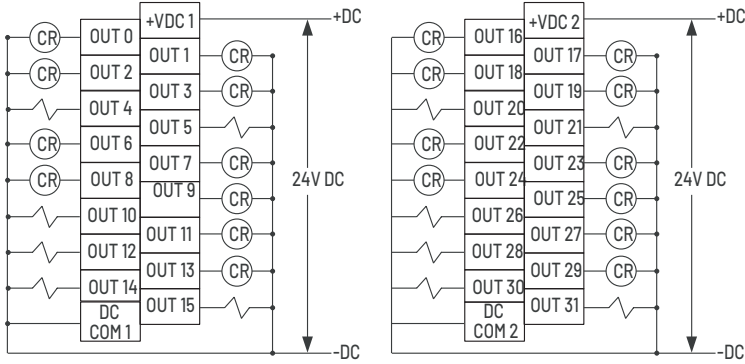
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Please add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-OB32, 1769-OB32K

Compact solid state 24V DC source output module

1769-OB32



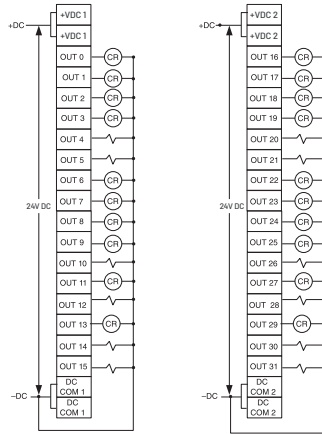
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
I/O Ready Cable							1492-CAB***RTN320
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CAB***K69
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***K69
	Standard Reduced Height	1	F	1492-IFM40FH	—	—	1492-CAB***K69
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***K69
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CAB***K69
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***K69
Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***K69	
	2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***K69	
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CAB***K69
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***K69
	Extra Terminals	2	F	1492-IFM40D24-2	—	—	1492-CAB***K69
Fusible	Extra Terminals	2	F	1492-IFM40F-F-2	—	—	1492-CAB***K69
		2	F	1492-IFM40F-F24-2	—	—	1492-CAB***K69
	Blown Fuse	2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CAB***K69

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
Relay	High Density Master (LED Indication) - 32 Relays Mechanical	1	F	1492-XIMTR4024-32R	—	—	1492-CAB***K69
		1	R	1492-RXIMTR4024-32R	RTB20N	RTB20P	1492-CAB***K69
	High Density Master (LED Indication) - 32 Relays Solid State	1	F	1492-XIMTS4024-32R	—	—	1492-CAB***K69
		1	R	1492-RXIMTS4024-32R	RTB20N	RTB20P	1492-CAB***K69
	Master/Expander Assembly (LED Indication) - 32 Total Relays with Fusing	1	F	1492-XIM4024-16RF	—	—	1492-CAB***K69
		1	F	1492-XIM24-16RF	—	—	1492-CAB***K69
	Master/Expander/Expander Assembly (LED Indication) - 32 Total Relays	1	R	1492-RXIM4024-16R	RTB14N	RTB14P	1492-CAB***K69
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	1492-CAB***K69
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	1492-CAB***K69
	Master/Expander/Expander Assembly (LED Indication) - 32 Total Relays	1	R	1492-XIM4024-16R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69
	Master/Expander/Expander Assembly - 24 Total Relays and 8 Feed Through Channels	1	R	1492-XIM4024-16R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69
	Master/Expander/Expander Assembly - 16 Relays and 16 Feed Through Channels	1	R	1492-XIM4024-16R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69
		1	R	1492-XIM24-8R	—	—	1492-CAB***K69

(1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
 (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (3) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-OB32T

Compact solid state 24V DC source, terminated output module



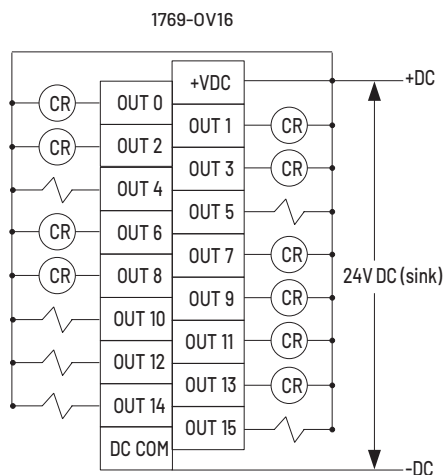
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
I/O Ready Cable							1492-CAB***N3
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CAB***H
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***H
	Standard Reduced Height	1	F	1492-IFM40FH	—	—	1492-CAB***H
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***H
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CAB***H
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***H
Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***H	
	2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***H	
LED Indicating	Standard	1	F	1492-IFM40D24	—	—	1492-CAB***H
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***H
	Extra Terminals	2	F	1492-IFM40D24-2	—	—	1492-CAB***H
Fusible	Extra Terminals	2	F	1492-IFM40F-F-2	—	—	1492-CAB***H
		2	F	1492-IFM40F-F24-2	—	—	1492-CAB***H
	Blown Fuse	2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CAB***H

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. ⁽¹⁾	RTB required ⁽²⁾		Cable Cat. No. ⁽³⁾
					Screw	Push-in	
Relay	High Density Master (LED Indication) - 32 Relays	1	F	1492-XIMTR4024-32R	—	—	1492-CAB***H
		1	R	1492-RXIMTR4024-32R	RTB20N	RTB20P	1492-CAB***H
	High Density Master (LED Indication) - 32 Relays	1	F	1492-XIMTS4024-32R	—	—	1492-CAB***H
		1	R	1492-RXIMTS4024-32R	RTB20N	RTB20P	1492-CAB***H
	Master/Expander Assembly (LED Indication)	1	F	1492-XIM4024-16RF	—	—	1492-CAB***H
		1	F	1492-XIM24-16RF	—	—	—
	Master/Expander/Expander Assembly (LED Indication) - 32 Total	1	R	1492-RXIM4024-16R	RTB14N	RTB14P	1492-CAB***H
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	1492-CAB***H
		1	R	1492-RXIM24-8R	RTB12N	RTB12P	1492-CAB***H
	Master/Expander/Expander Assembly (LED Indication) - 32 Total	1	R	1492-XIM4024-16R	—	—	1492-CAB***H
		1	R	1492-XIM24-8R	—	—	1492-CAB***H
		1	R	1492-XIM24-8R	—	—	1492-CAB***H
	Master/Expander/Expander Assembly - 24 Total Relays and 8 Feed	1	R	1492-XIM4024-16R	—	—	1492-CAB***H
		1	R	1492-XIM24-8R	—	—	1492-CAB***H
		1	R	1492-XIM24-8R	—	—	1492-CAB***H
	Master/Expander/Expander Assembly - 16 Relays and 16 Feed	1	R	1492-XIM4024-16R	—	—	1492-CAB***H
1		R	1492-XIM24-8R	—	—	1492-CAB***H	
1		R	1492-XIM24-8R	—	—	1492-CAB***H	

- (1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
- (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
- (3) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-OV16

Compact solid state 24V DC sink output module



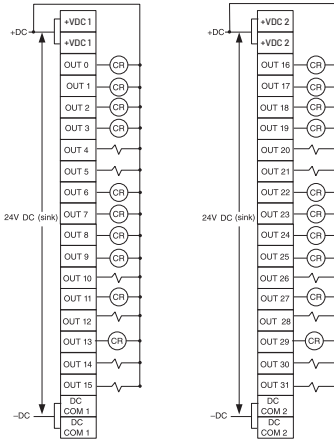
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾	
					Screw	Push-in		
I/O Ready Cable							1492-CAB***RTN18	
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***E69	
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***E69	
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***E69	
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***E69	
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***E69	
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***E69	
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***E69	
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***E69	
	LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB***E69
		Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CAB***E69
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CAB***E69	
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***E69	
				1492-IFM20F-F24A-2	—	—	1492-CAB***E69	
	Extra Terminals	2	F	1492-IFM20F-F-2	RTB20N	RTB20P	1492-CAB***E69	
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***E69	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-OV32T

Compact solid-state 24V DC sink, terminated output module

1769-OV32T

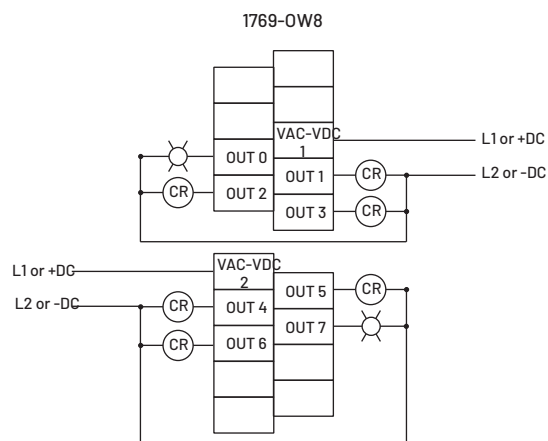


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No. (1)	RTB required (2)		Cable Cat. No. (3)
					Screw	Push-in	
I/O Ready Cable							1492-CAB***N3
Feed Through	Standard	1	F	1492-IFM40F	-	-	1492-CABLE***H
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CABLE***H
	Extra Terminals	2	F	1492-IFM40F-2	-	-	1492-CABLE***H
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CABLE***H
LED Indicating	Standard	1	F	1492-IFM40D24	-	-	1492-CABLE***H
		1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CABLE***H
	Extra Terminals	2	F	1492-IFM40D24-2	-	-	1492-CABLE***H
		2	R	1492-RIFM40D24-2	RTB20N	RTB20P	1492-CABLE***H
Fusible	Extra Terminals	2	F	1492-IFM40F-F-2	-	-	1492-CABLE***H
		2	F	1492-IFM40F-F24-2	-	-	1492-CABLE***H
	Blown Fuse	2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CABLE***H

(1) Bold Catalog Numbers require four RTB plugs. Order Qty. 2, each package contains two plugs.
 (2) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (3) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-OW8

Compact AC/DC relay contact module



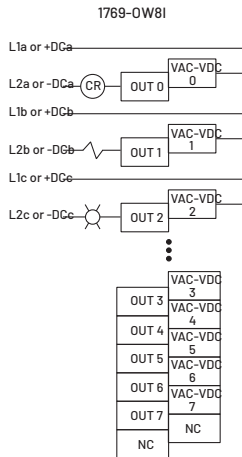
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable							1492-CAB***RTN10
Feed Through	Standard	1	F	1492-IFM20F	-	-	1492-CAB***C69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***C69
	Narrow	1	F	1492-IFM20FN	-	-	1492-CAB***C69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***C69
	Extra Terminals	2	F	1492-IFM20F-2	-	-	1492-CAB***C69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***C69
LED Indicating	Isolated	4	F	1492-IFM20DS24-4	-	-	1492-CAB***C69
		4	F	1492-IFM20DS120-4	-	-	1492-CAB***C69
Fusible, Isolated	Blown Fuse	2	F	1492-IFM20F-FS24-2	-	-	1492-CAB***C69
	Extra Terminals	2	F	1492-IFM20F-FS-2	-	-	1492-CAB***C69
	Blown Fuse	2	F	1492-IFM20F-FS120-2	-	-	1492-CAB***C69
		4	F	1492-IFM20F-FS120-4	-	-	1492-CAB***C69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926

1769-OW8I, 1769-OW8IK

Compact AC/DC individually isolated, relay contact module



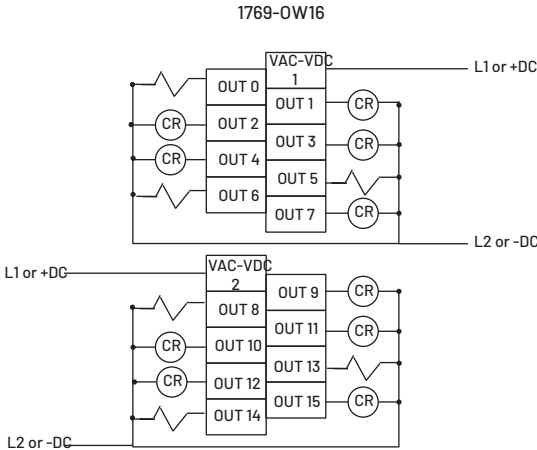
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable							1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***D69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***D69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***D69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***D69
LED Indicating	Isolated	4	F	1492-IFM20DS24-4	—	—	1492-CAB***D69
		4	F	1492-IFM20DS120-4	—	—	1492-CAB***D69
Fusible, Isolated	Blown Fuse	2	F	1492-IFM20F-FS24-2	—	—	1492-CAB***D69
	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CAB***D69
	Blown Fuse	2	F	1492-IFM20F-FS120-2	—	—	1492-CAB***D69
		4	F	1492-IFM20F-FS120-4	—	—	1492-CAB***D69
		4	F	1492-IFM20F-FS240-4	—	—	1492-CAB***D69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

1769-OW16, 1769-OW16K

Compact AC/DC relay contact module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable							1492-CAB***RTN18
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***M69
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***M69
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***M69
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***M69
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***M69
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***M69
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***M69
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***M69
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***M69
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***M69
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***M69
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***M69
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB***M69
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CAB***H69
	Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CAB***M69
	Standard	1	F	1492-IFMD120	—	—	1492-CAB***M69
	Narrow	1	F	1492-IFMD120N	—	—	1492-CAB***H69
	Extra Terminals	2	F	1492-IFMD120-2	—	—	1492-CAB***M69
Fusible	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CAB***M69
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***M69
	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CAB***M69
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***M69
	Blown Fuse	2	F	1492-IFM20F-F120-2	—	—	1492-CAB***M69
		2	R	1492-RIFM20F-F120-2	RTB20N	RTB20P	1492-CAB***M69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG. A 26 AWG version which provides greater flexibility is also available with the limitation of 1 amp per I/O channel. The standard design utilizes 22 AWG wire, which is rated at 2 amps per I/O channel. Add "26" to the end of the catalog number. Example: 1492-CAB***F69 becomes 1492-CAB***F6926.

Pre-Wired Digital Cables for CompactLogix Digital I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#).

1492- CAB 010 A69

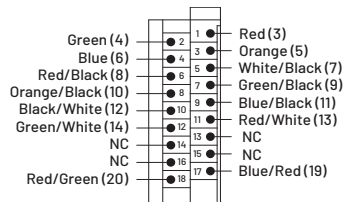
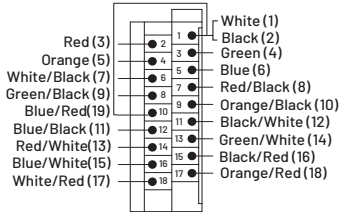
Standard or Build-to-Order Length Cable		
Code	Descriptions	
005	0.5 m (1.64 ft)	Standard Length
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001-020	0.1...2.0 m (0.328...6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order Length
020-100	2.0...10.0 m (6.56...32.8 ft) 0.5 m (1.64 ft increments)	
100-300	10.0...30.0 m (32.8...98.4 ft) 1.0 m (3.28 ft increments)	

Cable Type	
Code	Descriptions
A69, B69, C69, D69, E69, F69, G69, H69, J69, K69, L69, M69	Pre-wired cables for 8, 16, and 32-point Bulletin 1769 digital I/O modules
DIOL1, DIOL2, DIOL3	Pre-wired cables for Bulletin 1769 CompactLogix 5370 Controllers
H	
RTN10	I/O-ready cable with Catalog Number 1769-RTBN10 terminal block
RTN18	I/O-ready cable with Catalog Number 1769-RTBN18 terminal block
RTN32I	I/O-ready cable for 1769-IQ32 module
RTN32O	I/O ready cable for 1769-OB32 module

CompactLogix Digital Cables

Catalog Number ⁽¹⁾	No. of Conductors	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*A69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	
1492-CAB*B69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	
1492-CAB*C69	20	9.0 mm (0.36 in.)	1769-RTBN10 Removable Terminal Block	
1492-CAB*D69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	
1492-CAB*E69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	
1492-CAB*F69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	

Programmable Controller Wiring Systems

Catalog Number ⁽¹⁾	No. of Conductors	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*G69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	 <p>Green (4) 2, Blue (6) 4, Red/Black (8) 6, Orange/Black (10) 8, Black/White (12) 10, Green/White (14) 12, NC 14, NC 16, Red/Green (20) 18</p> <p>1 Red (3), 2 Orange (5), 3 White/Black (7), 4 Green/Black (9), 5 Blue/Black (11), 6 Red/White (13), 7 NC, 8 NC, 9 Blue/Red (19), 10</p>
1492-CAB*H69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	 <p>Red (3) 3, Orange (5) 5, White/Black (7) 7, Green/Black (9) 9, Blue/Red (19) 11, Blue/Black (11) 13, Red/White (13) 15, Blue/White (15) 17, White/Red (17) 19</p> <p>1 White (1), 2 Black (2), 3 Green (4), 4 Blue (6), 5 Red/Black (8), 6 Orange/Black (10), 7 Black/White (12), 8 Green/White (14), 9 Black/Red (16), 10 Orange/Red (18)</p>

Catalog Number ⁽¹⁾	No. of Conductors	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*J69 ⁽²⁾	40	11.1 mm (0.46 in.)	(2) 1769-RTBN18 Removable Terminal Block	
1492-CAB*K69	40	11.1 mm (0.46 in.)	(2) 1769-RTBN18 Removable Terminal Block	
1492-CAB*L69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	
1492-CAB*M69	20	9.0 mm (0.36 in.)	1769-RTBN18 Removable Terminal Block	

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-CABLE005A is for a 0.5 m cable. Refer to [Standard or Build-to-Order Length Cable on page 106](#)

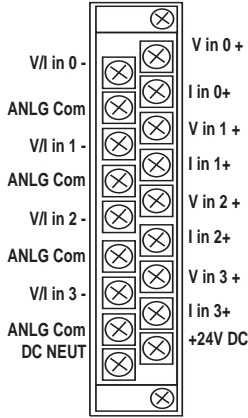
(2) 1492-CABQK69 and 1492-CABQJ69 are made up of two (2) individual 18-pin terminal blocks connected to a single cable assembly.

1769 Analog IFMs

Analog Input

1769-IF4

Compact voltage/current analog input module

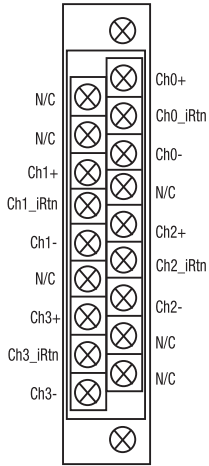


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single End Voltage	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BA69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BA69
	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BA69
Single End Current	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BB69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BB69
	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BB69
Differential Voltage	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BC69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BC69
	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BC69
Differential Current	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BD69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BD69
	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BD69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-IF4I

Compact voltage/current analog, individually-isolated input module

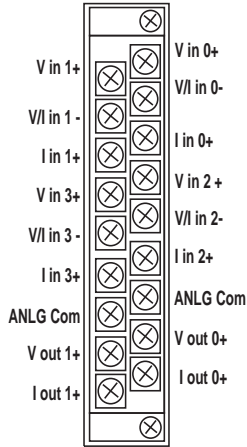


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BE69
	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BE69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BE69
Voltage	Fusible, 4 Channel, Blown Fuse	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***BF69
	4 Channel Input, Output or 2 Input / 2 Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***BE69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***BE69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-IF4XOF2

Compact combination input/output analog module

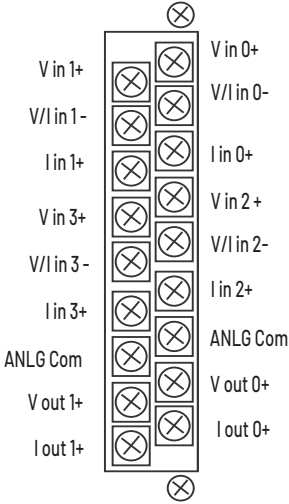


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current (In and Out)	6 Channel Isolated	4	F	1492-AIFM6S-3	-	-	1492-ACAB***CA69
	Fusible, 8 Channel, Blown Fuse	4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CA69
Voltage (In and Out)	6 Channel Isolated	5	F	1492-AIFM8-F-5	-	-	1492-ACAB***CB69
	Fusible, 8 Channel, Blown Fuse	4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CB69
Current In and Voltage Out	6 Channel Isolated	4	F	1492-AIFM6S-3	-	-	1492-ACAB***CC69
	Fusible, 8 Channel, Blown Fuse	4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CC69
Current In and Voltage Out	6 Channel Isolated	5	F	1492-AIFM8-F-5	-	-	1492-ACAB***CC69
	Fusible, 8 Channel, Blown Fuse	4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CC69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-IF4FX0F2F

Compact combination fast input/output analog module

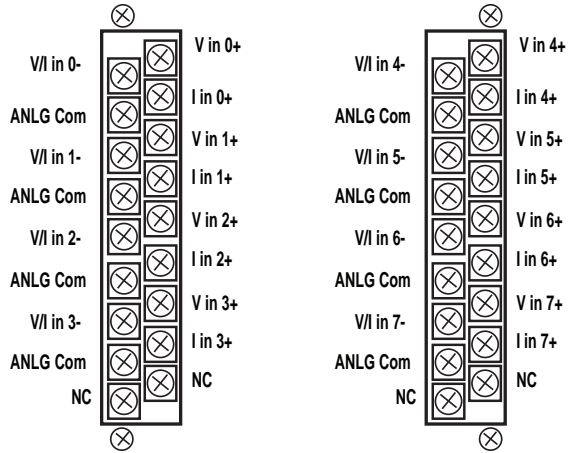


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current (In and Out)	6 Channel Isolated	4	F	1492-AIFM6S-3	-	-	1492-ACAB***CA69
		4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CA69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	-	-	1492-ACAB***CA69
Voltage (In and Out)	6 Channel Isolated	4	F	1492-AIFM6S-3	-	-	1492-ACAB***CB69
		4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CB69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	-	-	1492-ACAB***CB69
Current In and Voltage Out	6 Channel Isolated	4	F	1492-AIFM6S-3	-	-	1492-ACAB***CC69
		4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-ACAB***CC69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	-	-	1492-ACAB***CC69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1769-IF8

Compact voltage/current analog input module



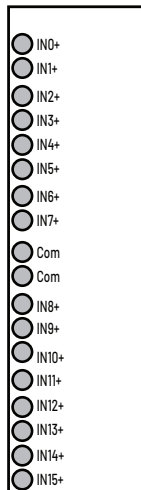
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Single End Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***EA69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***EA69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACAB***EA69
Single End Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***EB69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***EB69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACAB***EB69
Differential Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***EC69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***EC69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACAB***EC69
Differential Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***ED69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***ED69
	Fusible, 8 Channel, Blown Fuse	5	F	1492-AIFM8-F-5	—	—	1492-ACAB***ED69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-IF16C

Compact current analog input module

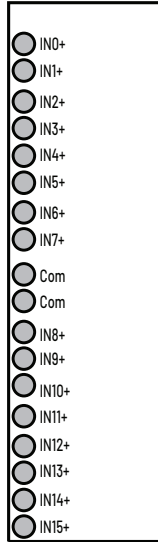


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***EE69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***EE69
	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—	1492-ACAB***EE69

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-IF16V

Compact voltage analog input module



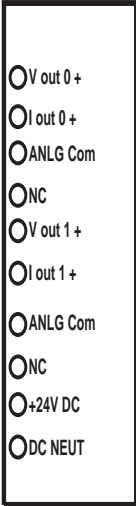
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***EE69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***EE69
	Fusible, 16 Channel, Blown Fuse	3	F	1492-AIFM16-F-3	—	—	1492-ACAB***EE69

(1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

Analog Output

1769-OF2

Compact voltage/current output analog module

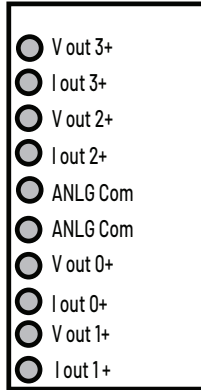


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage	4 Channel Input, Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***AA69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AA69
Current	4 Channel Input, Output	3	F	1492-AIFM4-3	—	—	1492-ACAB***AB69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AB69

(1) If removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-OF4

Compact voltage/current output analog module

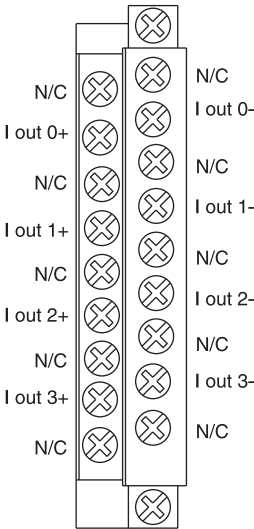


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	4 Channel Input, Output or 2 Input	3	F	1492-AIFM4-3	—	—	1492-ACAB***AC69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AC69
Voltage	4 Channel Input, Output or 2 Input	3	F	1492-AIFM4-3	—	—	1492-ACAB***AD69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AD69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB2DP.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-OF4CI

Compact current output, individually-isolated analog module

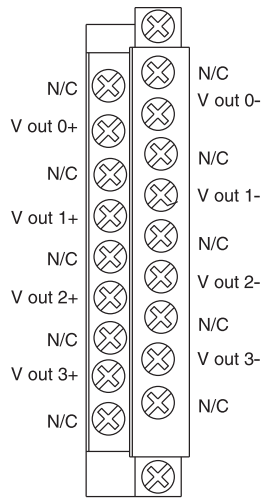


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	Fusible, 4 Channel, Blown Fuse 4 Channel Input, Output or 2 Input / 2 Output	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***AE69
		3	F	1492-AIFM4-3	—	—	1492-ACAB***AE69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AE69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-OF4VI

Compact voltage output, individually isolated analog module

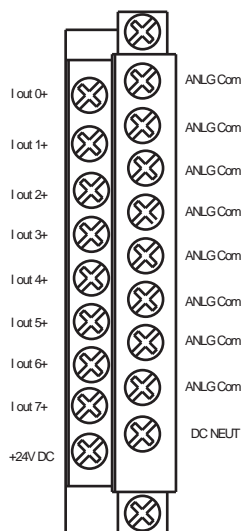


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage	Fusible, 4 Channel, Blown Fuse 4 Channel Input, Output or 2 Input / 2 Output	5	F	1492-AIFM4I-F-5	—	—	1492-ACAB***AE69
		3	F	1492-AIFM4-3	—	—	1492-ACAB***AE69
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACAB***AE69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-OF8C

Compact current output analog module

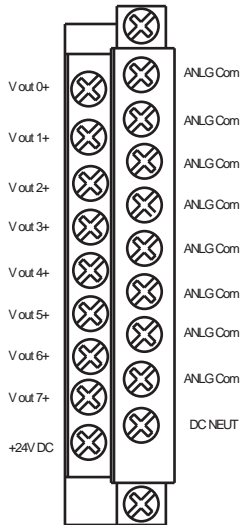


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Current	8 Channel Differential / 16 Channel Single Ended	3	F	1492-AIFM8-3	—	—	1492-ACAB***D69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***D69

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1769-OF8V

Compact voltage output analog module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Voltage	8 Channel Differential / 16	3	F	1492-AIFM8-3	—	—	1492-ACAB***D69
		3	R	1492-RAIFM8-3	RTB16N	RTB16P	1492-ACAB***D69

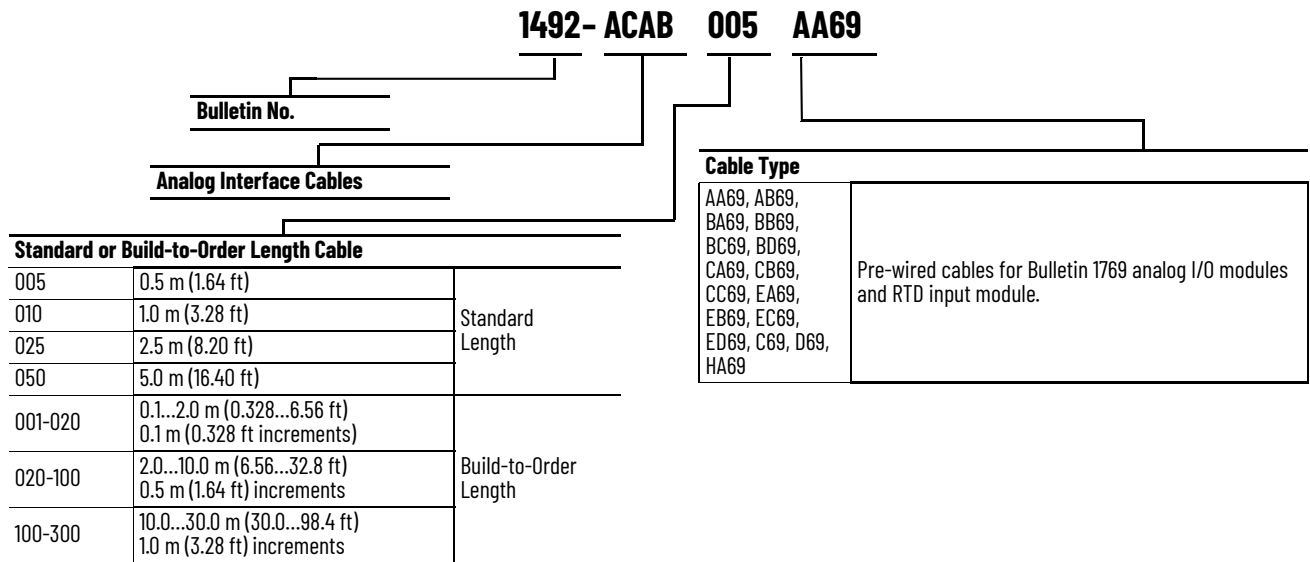
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

Pre-wired Analog Cables for CompactLogix Analog I/O Modules

Catalog Number Explanation

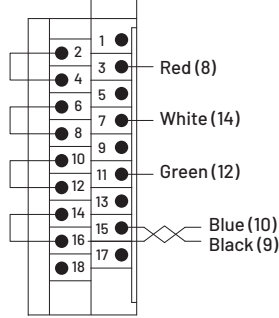
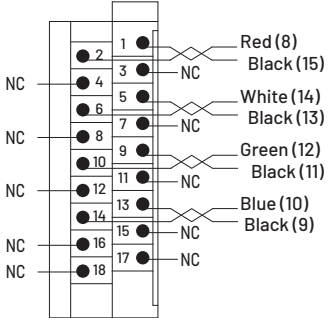
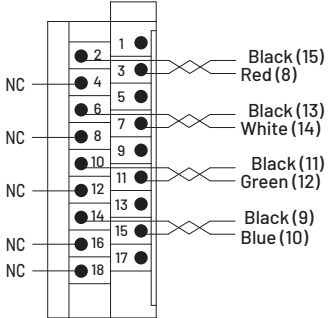
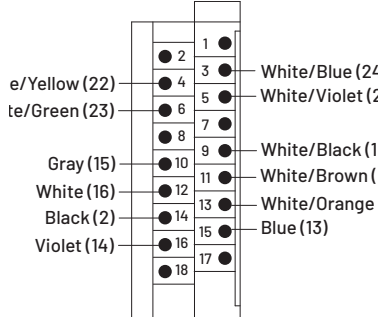
The following analog cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instruction in [Ordering Digital and Analog Wiring Systems on page 3](#).

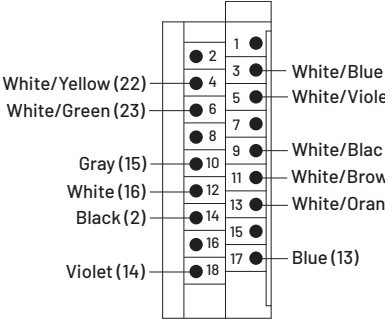
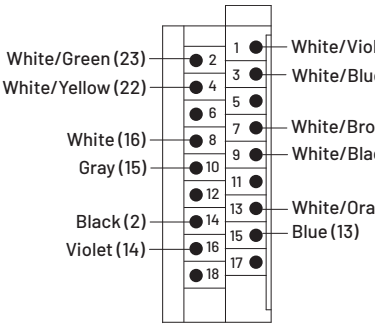
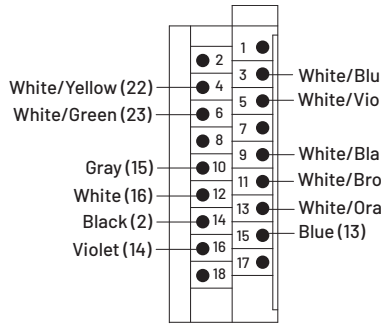
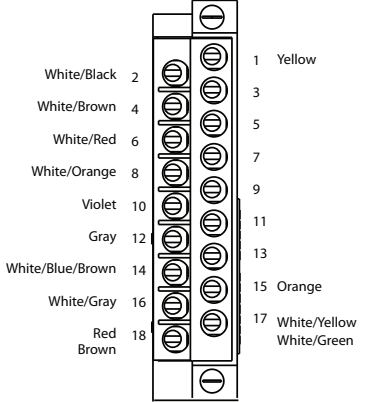


CompactLogix Analog Cables

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*AA69	1769-RTBN10 12-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*AB69	1769-RTBN10 12-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*AC69	1769-RTBN10 12-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*AD69	1769-RTBN10 12-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*AE69	1769-RTBN10 12-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*BA69	1769-RTBN18 20-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*BB69	1769-RTBN18 20-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*BC69	1769-RTBN18 20-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*BD69	1769-RTBN18 20-Position Removable Terminal Block	15-pin D-shell	5 Twisted Pairs	7.44 mm (0.293")	
1492-ACAB*CG69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*CA69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	
1492-ACAB*CB69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	
1492-ACAB*CC69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	
1492-ACAB*D69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*EA69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	
1492-ACAB*EB69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	
1492-ACAB*EC69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Nominal Outer Diameter	Pinout Diagram
1492-ACAB*ED69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	<p>Diagram showing two 20-pin plugs, labeled PLUG "A" and PLUG "B".</p> <ul style="list-style-type: none"> PLUG "A" pins: 1 (White/Brown), 2 (White), 3 (Black), 4 (White/Black), 5 (White/Orange), 6 (White/Red), 7 (Yellow), 8 (White/Brown), 9 (White/Black), 10 (White/Black), 11 (White/Black), 12 (White/Orange), 13 (White/Red), 14 (Yellow), 15 (White/Brown), 16 (White/Black), 17 (White/Black). PLUG "B" pins: 1 (Gray), 2 (Violet), 3 (White/Gray), 4 (White/Black/Brown), 5 (White/Blue), 6 (White/Violet), 7 (White/Green), 8 (White/Yellow), 9 (Orange), 10 (White/Blue), 11 (White/Violet), 12 (White/Green), 13 (White/Yellow), 14 (Orange), 15 (White/Blue), 16 (White/Violet), 17 (White/Green), 18 (White/Yellow), 19 (Orange), 20 (White/Blue).
1492-ACAB*EE69	1769-RTBN18 20-Position Removable Terminal Block	25-pin D-shell	20 Conductors	8.43 mm (0.332")	<p>Diagram showing a 20-pin plug with the following color-coded conductors:</p> <ul style="list-style-type: none"> 1 RED (3) 2 BROWN (2) 3 BLACK (1) 4 BLUE (14) 5 VIOLET (15) 6 GRAY (16) 7 WHITE (17) 8 WHITE/BLACK (18) 9 ORANGE (6) 10 WHITE/BROWN (19) 11 YELLOW (12) 12 GREEN (13) 13 WHITE/VIOLET (25) 14 WHITE/BLUE (24) 15 WHITE/GREEN (23) 16 WHITE/YELLOW (22) 17 WHITE/RED (20) 18 WHITE/ORANGE (21)
1492-ACAB*HA69	1769-RTBN18 20- Position Removable Terminal Block	25-pin D-shell	11 Twisted Pairs	11.5 mm (0.45")	<p>Diagram showing a 20-pin plug with the following twisted pair connections:</p> <ul style="list-style-type: none"> 1: White (15) and Red (12) 2: Blue (4) and Red (13) 3: Green (3) and Red (2) 4: Yellow (5) and Red (25) 5: Red (9) and Black (10) 6: White (11) and Black (24) 7: Green (23) and Black (22) 8: Blue (21) and Black (20) 9: Yellow (18) and Black (18) 10: Orange (17) and Black (18)

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-ACAB005AA69 is for 0.5 m cables. Also refer to [Standard or Build-to-Order Length Cable on page 123](#).

(2) All pre-wired analog cables have an overall shield. All 1492-ACABs have a ring lug on the 7.87" (200 mm) exposed drain wire at the I/O module end of the cable. Not every connection is always used.

Notes:

1769 CompactLogix 5370 Controllers Wiring Systems

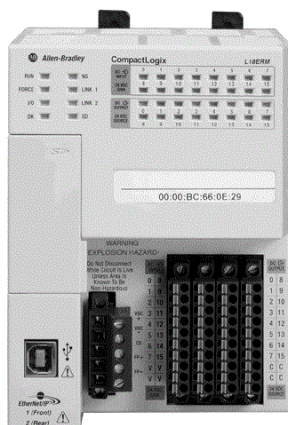
I/O Type	Cat. No.	Page
Embedded I/O	1769-L16ER-BB1B	131
	1769-L18ER-BB1B	131
	1769-L18RERM-BB1B	131
Embedded Digital I/O	1769-L24ER-QB1B	133
	1769-L24ER-QBFC1B	133
	1769-L27ERM-QBFC1B	133
Embedded Analog I/O	1769-L23-QBFC1B	135
	1769-L24ER-QBFC1B	135
	1769-L27ER-QBFC1B	135
	1769-L27ERM-QBFC1B	135

1769-L16ER-BB1B

1769-L18ER-BB1B

1769-L18RERM-BB1B

Embedded I/O



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	IFM RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Separate IFMs for Input/Output							
I/O Ready Cables							1492-CAB***DIOL2
Feed Through	Standard	1	F	1492-IFM20F	-	-	1492-CAB***20L1
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***20L1
	Narrow	1	F	1492-IFM20FN	-	-	1492-CAB***20L1
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CAB***20L1
	Extra Terminals	2	F	1492-IFM20F-2	-	-	1492-CAB***20L1
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***20L1

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	IFM RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed Through Reduced Height	Standard Reduced Height	1	F	1492-IFM20FH	-	-	1492-CAB***20L1
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***20L1
	Narrow Reduced Height	1	F	1492-IFM20FNH	-	-	1492-CAB***20L1
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CAB***20L1
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	-	-	1492-CAB***20L1
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***20L1
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	-	-	1492-CAB***20L1
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***20L1
	Blown Fuse Indicator, Extra Terminals	2	F	1492-IFM20F-F24-2	-	-	1492-CAB***20L1
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***20L1
High Density Relay	Electromechanical Relay	1	F	1492-XIMTR2024-16R	-	-	1492-CAB***20L1
		1	R	1492-RXIMTR2024-16R	RTB20N	RTB20P	1492-CAB***20L1
	Solid State Relay	1	F	1492-XIMTS2024-16R	-	-	1492-CAB***20L1
		1	R	1492-RXIMTS2024-16R	RTB20N	RTB20P	1492-CAB***20L1
Master/ Expander Relays	Electromechanical Relay	1	F	1492-XIM2024-16RF	-	-	1492-CAB***20L1
	Electromechanical Relay	1	F	1492-XIM2024-8R	-	-	1492-CAB***20L1
				1492-XIM24-8R	-	-	

Combined IFMs for Both Input and Output

Feed Through	Standard	1	F	1492-IFM40F	-	-	1492-CAB***40L1
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***40L1
	Extra Terminals	2	F	1492-IFM40F-2	-	-	1492-CAB***40L1
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***40L1
Feed Through Reduced Height	Standard Reduced Height	1	F	1492-IFM40FH	-	-	1492-CAB***40L1
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***40L1
	Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	-	-	1492-CAB***40L1
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***40L1
Fusible	Extra Terminals	2	F	1492-IFM40F-F-2	-	-	1492-CAB***40L1
		2	R	1492-RIFM40F-F-2	RTB20N	RTB20P	1492-CAB***40L1
	Blown Fuse Indicator, Extra Terminals	2	F	1492-IFM40F-F24-2	-	-	1492-CAB***40L1
		2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CAB***40L1

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

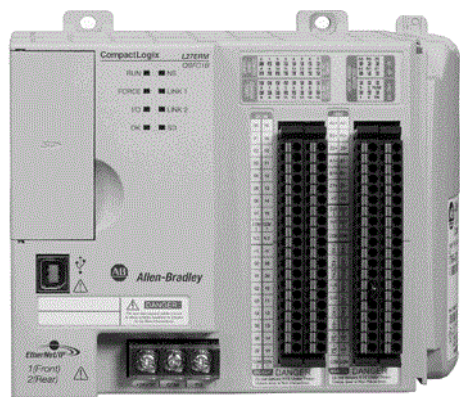
(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1769-L24ER-QB1B

1769-L24ER-QBFC1B

1769-L27ERM-QBFC1B

Embedded Digital I/O



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	IFM RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Separate IFMs for Input/Output							
I/O Ready Cables							1492-CAB***2D1OL2
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***2D1OL2
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***2D1OL2
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***2D1OL2
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CAB***2D1OL2
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***2D1OL2
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***2D1OL2
Feed Through Reduced Height	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***2D1OL2
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***2D1OL2
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***2D1OL2
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CAB***2D1OL2
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***2D1OL2
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***2D1OL2
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CAB***2D1OL2
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***2D1OL2
	Blown Fuse Indicator, Extra Terminals	2	F	1492-IFM20F-F24-2	—	—	1492-CAB***2D1OL2
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***2D1OL2
High Density Relay	Electromechanical Relay	1	F	1492-XIMTR2024-16R	—	—	1492-CAB***2D1OL2
		1	R	1492-RXIMTR2024-16R	RTB20N	RTB20P	1492-CAB***2D1OL2
	Solid State Relay	1	F	1492-XIMTS2024-16R	—	—	1492-CAB***2D1OL2
		1	R	1492-RXIMTS2024-16R	RTB20N	RTB20P	1492-CAB***2D1OL2

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	IFM RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Master/Expander Relays	Electromechanical Relay	1	F	1492-XIM2024-16R	—	—	1492-CAB***20DIOL2
	EM Relay with Fusing	1	F	1492-XIM2024-16RF	—	—	1492-CAB***20DIOL2
	Electromechanical Relay	1	F	1492-XIM2024-8R	—	—	1492-CAB***20DIOL2
Combined IFMs for Both Input and Output							
Feed Through	Standard	1	F	1492-IFM40F	—	—	1492-CAB***40DIOL2
		1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***40DIOL2
	Extra Terminals	2	F	1492-IFM40F-2	—	—	1492-CAB***40DIOL2
		2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***40DIOL2
Feed Through Reduced Height	Standard Reduced Height	1	F	1492-IFM40FH	—	—	1492-CAB***40DIOL2
		1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***40DIOL2
	Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***40DIOL2
		2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***40DIOL2
Fusible	Extra Terminals	2	F	1492-IFM40F-F-2	—	—	1492-CAB***40DIOL2
		2	R	1492-RIFM40F-F-2	RTB20N	RTB20P	1492-CAB***40DIOL2
	Blown Fuse Indicator, Extra Terminals	2	F	1492-IFM40F-F24-2	—	—	1492-CAB***40DIOL2
		2	R	1492-RIFM40F-F24-2	RTB20N	RTB20P	1492-CAB***40DIOL2

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

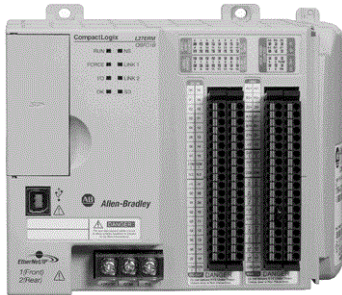
1769-L23-QBFC1B

1769-L24ER-QBFC1B

1769-L27ER- QBFC1B

1769-L27ERM- QBFC1B

Embedded Analog I/O



IFM Module Selection # of IFMs	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	IFM RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
High Speed Counter	Feed Through	1	F	1492-AIFMCE4	—	—	1492-ACAB***HSCL2
	Feed Through, Fused	1	F	1492-AIFMCE4-F	—	—	1492-ACAB***HSCL2
High Speed Counter (Choose 1)	Feed Through	1	F	1492-AIFMCE4	—	—	1492-ACAB***HSCAIOCL2
	Feed Through, Fused	1	F	1492-AIFMCE4-F	—	—	
Feed Through (Choose 1)	Feed Through, AIO	3	F	1492-AIFM8S-3	—	—	1492-ACAB***HSCAIOVL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
High Speed Counter (Choose 1)	Feed Through	1	F	1492-AIFMCE4	—	—	1492-ACAB***HSCAIOVL2
	Feed Through, Fused	1	F	1492-AIFMCE4-F	—	—	
Feed Through (Choose 1)	Feed Through, AIO	3	F	1492-AIFM8S-3	—	—	1492-ACAB***HSCRTDL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
High Speed Counter (Choose 1)	Feed Through	1	F	1492-AIFMCE4	—	—	1492-ACAB***HSCRTDL2
	Feed Through, Fused	1	F	1492-AIFMCE4-F	—	—	
Feed Through (Choose 1)	Feed Through, RTD	3	F	1492-AIFM8S-3	—	—	1492-ACAB***AIOCL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
High Speed Counter (Choose 1)	Feed Through	1	F	1492-AIFMCE4	—	—	1492-ACAB***AIOVL2
	Feed Through, Fused	1	F	1492-AIFMCE4-F	—	—	
Feed Through (Choose 1)	Feed Through with CJC	3	F	1492-AIFM8TC-3	—	—	1492-ACAB***RTDL2
		3	R	1492-RAIFM8TC-3	RTB20N	RTB20P	
Current	Feed Through, AIO	3	F	1492-AIFM8S-3	—	—	1492-ACAB***TCL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
Voltage	Feed Through, AIO	3	F	1492-AIFM8S-3	—	—	1492-ACAB***RTDL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
RTD	Feed Through, RTD	3	F	1492-AIFM8S-3	—	—	1492-ACAB***TCL2
		3	R	1492-RAIFM8S-3	RTB20N	RTB20P	
TC	Feed Through, Thermocouple with CJC	3	F	1492-AIFM8TC-3	—	—	1492-ACAB***TCL2
		3	R	1492-RAIFM8TC-3	RTB20N	RTB20P	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Notes:

1746 SLC500 Wirings Systems

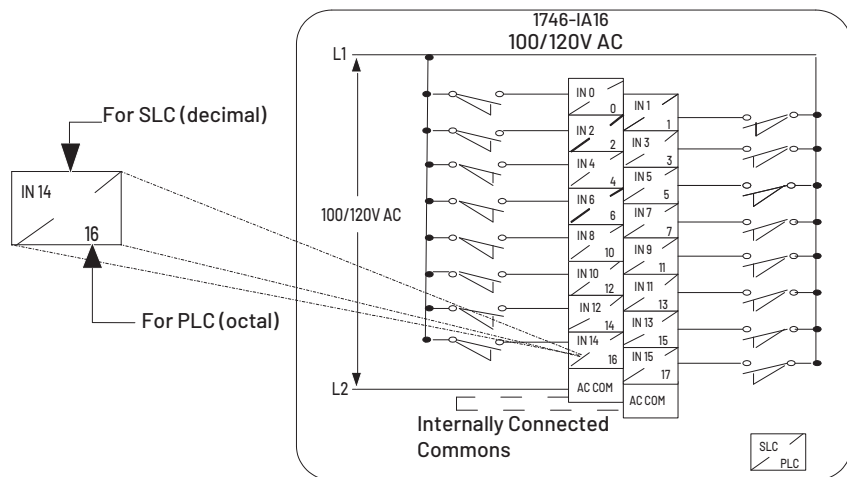
I/O Type	Cat. No.	Page	I/O Type	Cat. No.	Page
Digital Inputs	1746-IA16	138	Analog	1746-HSCE	162
	1746-IB16	139		1746-HSCE2	163
	1746-IC16	140		1746-FI04I	163
	1746-IG16	141		1746-FI04V	164
	1746-IH16	142		1746-NI4	164
	1746-IM16	143		1746-NI8	165
	1746-IN16	144		1746-NI04I	165
	1746-ITB16	145		1746-NI04V	166
	1746-ITV16	146		1746-N04I	166
	1746-IV16	147		1746-N08I	167
Digital Outputs	1746-OA16	148		1746-N04V	167
	1746-OB16	149		1746-N08V	168
	1746-OB16E	150		1746-NR4	168
	1746-OBP16	151		1746-N04V	167
	1746-OG16	152		1746-NR4	168
	1746-OV16	153		1746-QS	169
	1746-OVP16	154		1746-NI16I	169
	1746-OW16	155		1746-NI16V	170
	1746-OX8	156		Pre-Wired Digital Cables for 1746 SLC500 Digital I/O Modules	171
	Pre-Wired Digital Cables for 1746 SLC500 Digital I/O Modules	158			

1746 SLC500 Digital IFMs

Digital Inputs

1746-IA16

SLC 500™ 120V AC Input Module



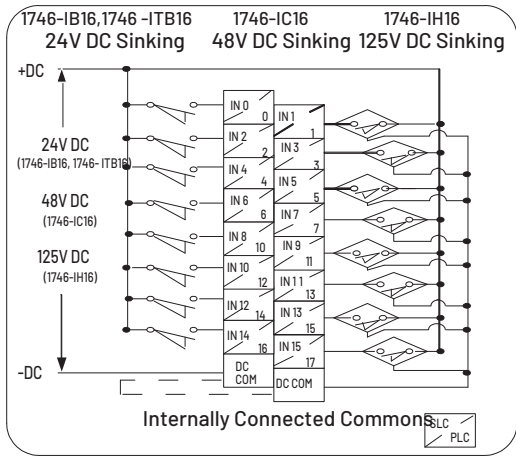
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBR
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***A
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***A
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***A
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***A
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***A
	2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***A	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***A
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***A
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***A
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***A
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***A
	2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***A	
LED Indicating	Standard	1	F	1492-IFM20D120N	—	—	1492-CABLE***A
	Extra Terminals	2	F	1492-IFM20D120A-2	—	—	1492-CABLE***A
Fusible	Extra Terminals	2	F	1492-IFM20F-F120A-2	—	—	1492-CABLE***A
		2	R	1492-RIFM20F-F120A-2	RTB20N	RTB20P	1492-CABLE***A

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IB16

SLC 500 24V DC Input Module

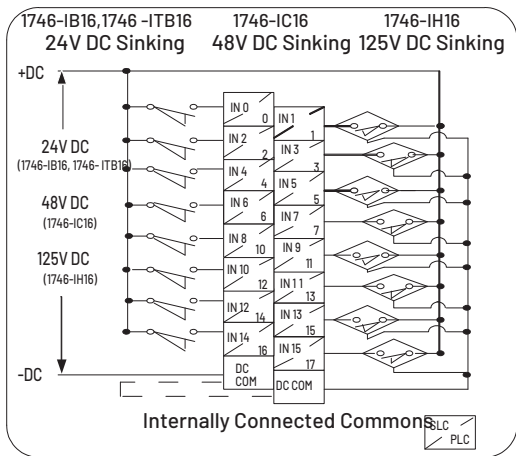


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***B
	Narrow	1	F	1492-IFM20D24N	—	—	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***B
	Sensor	3	F	1492-IFM20D24-3	—	—	1492-CABLE***B
Fusible	Extra Terminals	2	F	1492-IFM20F-F24A-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IC16

SLC 500 48V DC Input Module

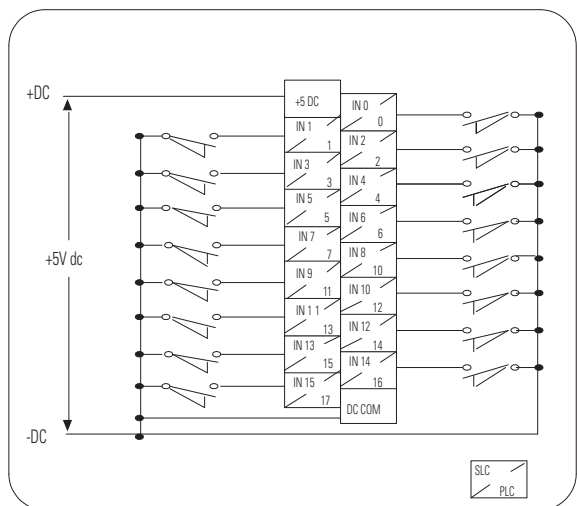


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IG16

SLC 500 5V DC TTL Input Module



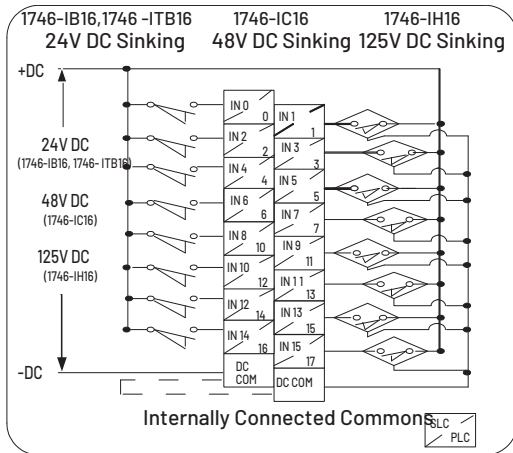
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***E
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***E	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IH16

SLC 500 125V DC Sinking Input Module

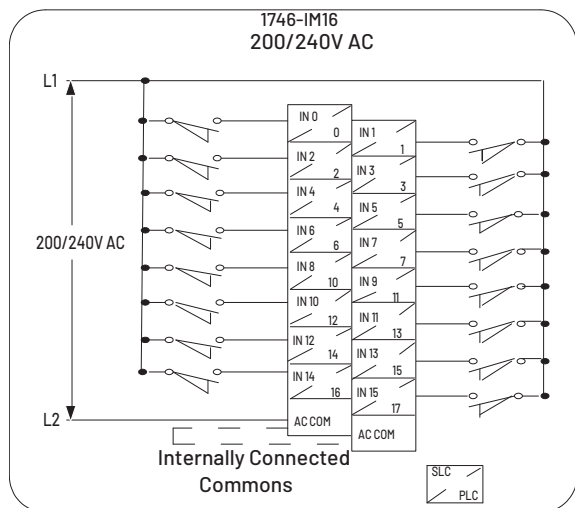


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B	
LED Indicating	Standard	1	F	1492-IFM20D120	—	—	1492-CABLE***B
Fusible	Extra Terminals	2	F	1492-IFM20F-F120A-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20F-F120A-2	—	—	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IM16

SLC 500 200/240V AC Input Module

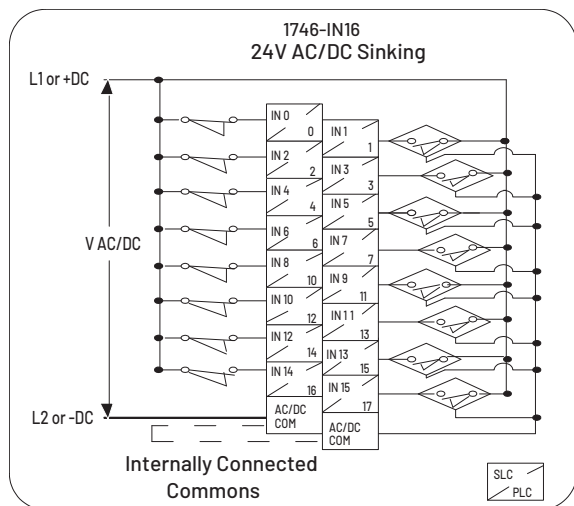


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBR
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***A
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***A
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***A
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***A
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***A
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***A
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***A
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***A
LED Indicating	Extra Terminals	2	F	1492-IFM20D120A-2	—	—	1492-CABLE***A

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IN16

SLC 500 24V AC/DC Sinking Input Module



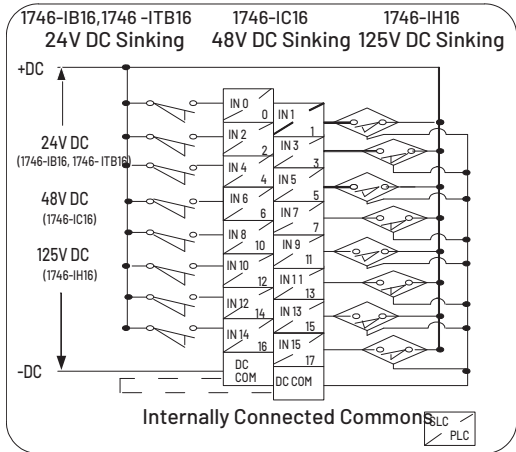
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B		
Sensor	3	F	1492-IFM20F-3	—	—	1492-CABLE***A	
	3	R	1492-RIFM20F-3	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B		
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***B
	Narrow			1492-IFM20D24N	—	—	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***B
	Sensor			1492-IFM20D24-3	—	—	1492-CABLE***B
Fusible	Extra Terminals	2	F	1492-IFM20F-F24A-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-ITB16

SLC 500 24V DC Sinking Input Module



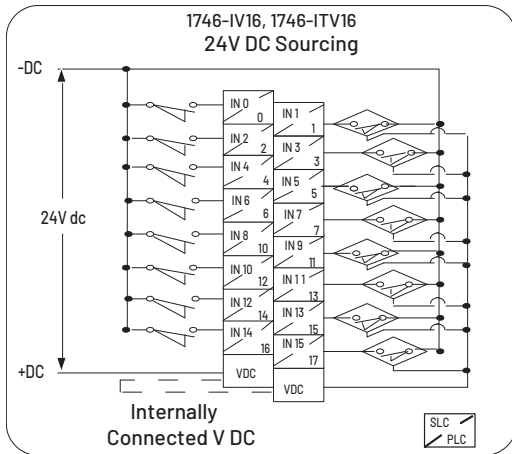
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B		
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B		
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***B
	Narrow			1492-IFM20D24N	—	—	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***B
	Sensor			1492-IFM20D24-3	—	—	1492-CABLE***B
Fusible	Extra Terminals	2	F	1492-IFM20F-F24A-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-ITV16

SLC 500 24V DC Sourcing Input Module



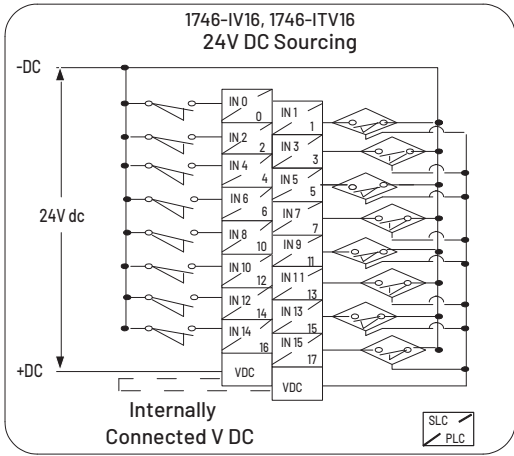
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B
	LED Indicating	Standard	1	F	1492-IFM20D24	—	—
Narrow				1492-IFM20D24N	—	—	1492-CABLE***B
Extra Terminals		2	F	1492-IFM20D24A-2	—	—	1492-CABLE***B
Sensor				1492-IFM20D24-3	—	—	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-IV16

SLC 500 24V DC Sourcing Input Module



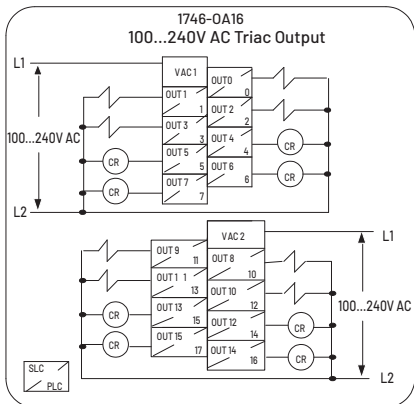
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***B
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***B
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***B
2		R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***B	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***B
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***B
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***B
2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***B	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***B
	Narrow			1492-IFM20D24N	—	—	1492-CABLE***B
	Extra Terminals	2	F	1492-IFM20D24A-2	—	—	1492-CABLE***B
	Sensor			1492-IFM20D24-3	—	—	1492-CABLE***B

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Digital Outputs

1746-0A16

SLC 500 100...240V AC Triac Output Module



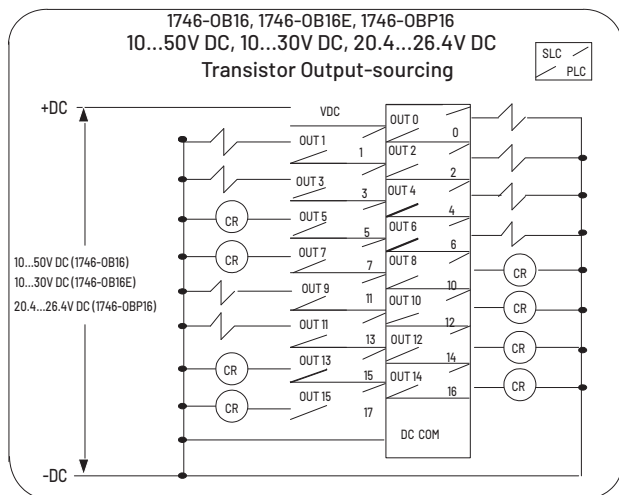
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBR
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***C
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***C
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***G
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***G
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***C
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***C
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***C
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***C
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***G
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***G
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***C
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***C
LED Indicating	Standard	1	F	1492-IFM20D120	—	—	1492-CABLE***C
	Narrow	2	F	1492-IFM20D120N	—	—	1492-CABLE***G
		1	F	1492-IFM20D120-2	—	—	1492-CABLE***C
	Extra Terminals	2	F	1492-IFM20D240-2	—	—	1492-CABLE***C
Fusible	Standard	1	F	1492-IFM20F-F120	—	—	1492-CABLE***C
		1	R	1492-RIFM20F-F120	RTB20N	RTB20P	1492-CABLE***C
	Extra Terminals	2	F	1492-IFM20F-F120-2	—	—	1492-CABLE***C
		2	R	1492-RIFM20F-F120-2	RTB20N	RTB20P	1492-CABLE***C
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***C
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***C
Relay Master	Eight 120V AC Relays	—	—	1492-XIM20120-8R	—	—	1492-CABLE***C
	Sixteen 120V AC Relays	—	—	1492-XIM20120-16R	—	—	1492-CABLE***C
	Sixteen 120V AC Relays w/ fusing	—	—	1492-XIM20120-16F	—	—	1492-CABLE***C

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OB16E

SLC 500 10...30V DC Transistor Output-Sourcing Module



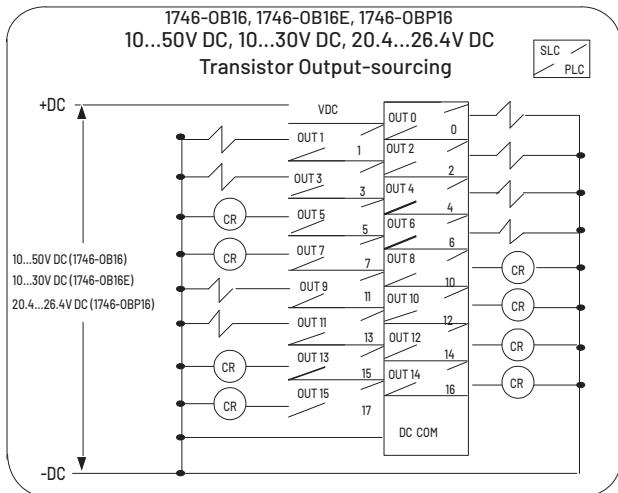
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***E
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N-2	—	—	1492-CABLE***E
Fusible	Standard	1	F	1492-IFM20F-F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***E
Relay Master	Eight 24V DC Relays	—	—	1492-XIM2024-8R	—	—	1492-CABLE***C
	Sixteen 24V DC Relays	—	—	1492-XIM2024-16R	—	—	1492-CABLE***C
	Sixteen 24V DC Relays w/ fusing	—	—	1492-XIM2024-16F	—	—	1492-CABLE***C

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OBP16

SLC 500 20.4...26.4V DC Transistor Output-Sourcing Module

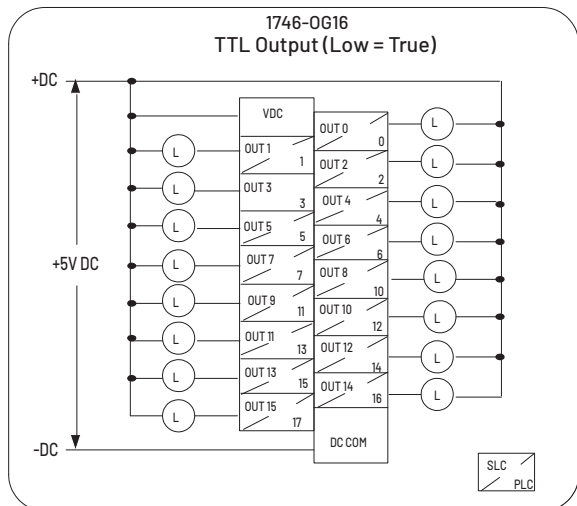


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***E	
	2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***E	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E	
	2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E	
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N-2	—	—	1492-CABLE***E
Fusible	Standard	1	F	1492-IFM20F-F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***E
Relay Master	Eight 24V DC Relays	—	—	1492-XIM2024-8R	—	—	1492-CABLE***C
	Sixteen 24V DC Relays	—	—	1492-XIM2024-16R	—	—	1492-CABLE***C
	Sixteen 24V DC Relays w/ fusing	—	—	1492-XIM2024-16F	—	—	1492-CABLE***C

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-0G16

SLC 500 5V DC TTL Output Module



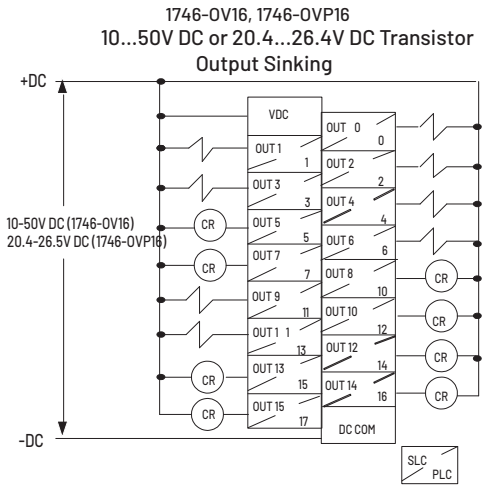
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
Feed Through-Reduced Height	Standard	2	F	1492-IFM20F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
LED Indicating	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E
	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***E
		2	F	1492-IFM20D24N	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N-2	—	—	1492-CABLE***E

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OV16

SLC 500 10...50V DC Transistor Output Sinking Module

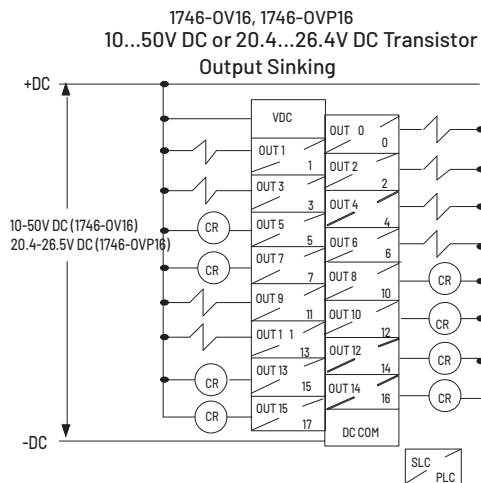


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CABLE***E
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N	—	—	1492-CABLE***E
	Extra Terminals	2	F	1492-IFM20D24N-2	—	—	1492-CABLE***E
Fusible	Standard	1	F	1492-IFM20F-F-2	—	—	1492-CABLE***E
	Extra Terminals	2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***E
		2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***E

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OVP16

SLC 500 20.4...26.4V DC Transistor Output Sinking Module



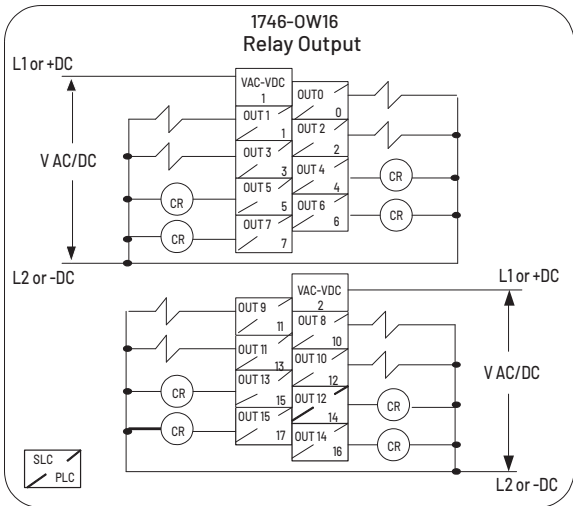
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBB
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***E
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***E
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***E
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***E
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***E
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***E
LED Indicating	Extra Terminals	2	F	1492-IFM20FH-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CABLE***E
	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***E
Fusible	Extra Terminals	2	F	1492-IFM20D24N	—	—	1492-CABLE***E
		2	F	1492-IFM20D24N-2	—	—	1492-CABLE***E
	Standard	1	F	1492-IFM20F-F-2	—	—	1492-CABLE***E
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***E
Extra Terminals	2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***E	
	2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***E	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OW16

SLC 500 DC Relay Output Module



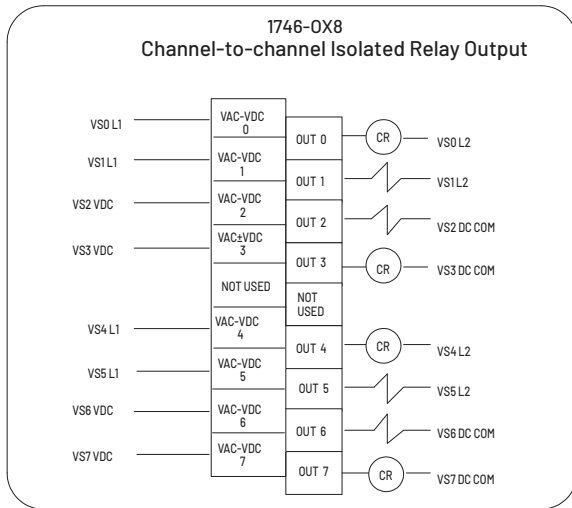
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾	
					Screw	Push-in		
I/O Ready Cable		—					1492-CABLE***RTB0	
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***D	
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***D	
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***N	
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***N	
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***D	
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***D	
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***N	
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***N	
	LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CABLE***D
			1	F	1492-IFM20D120	—	—	1492-CABLE***D
Narrow		1	F	1492-IFM20D24N	—	—	1492-CABLE***N	
		1	F	1492-IFM20D120N	—	—	1492-CABLE***N	
Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CABLE***D	
		2	F	1492-IFM20D120-2	—	—	1492-CABLE***D	
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CABLE***D	
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CABLE***D	
		2	F	1492-IFM20F-F24-2	—	—	1492-CABLE***D	
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CABLE***D	
		2	F	1492-IFM20F-F120-2	—	—	1492-CABLE***D	
		2	R	1492-RIFM20F-F120-2	RTB20N	RTB20P	1492-CABLE***D	
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***D	
		2	F	1492-IFM20F-F240-2	—	—	1492-CABLE***D	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-OX8

SLC 500 Chanel-to-Chanel Isolated Relay Output Module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
I/O Ready Cable		—					1492-CABLE***RTBO
Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CABLE***D
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CABLE***D
	Narrow	1	F	1492-IFM20FN	—	—	1492-CABLE***N
		1	R	1492-RIFM20FN	RTB20N	RTB20P	1492-CABLE***N
Feed Through-Reduced Height	Standard	1	F	1492-IFM20FH	—	—	1492-CABLE***D
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CABLE***D
	Narrow	1	F	1492-IFM20FNH	—	—	1492-CABLE***N
		1	R	1492-RIFM20FNH	RTB20N	RTB20P	1492-CABLE***N
LED Indicating	Individually Isolated	2	F	1492-IFM20DS24-4	—	—	1492-CABLE***S
		2	F	1492-IFM20DS120-4	—	—	1492-CABLE***S
Fusible	Individually Isolated	2	F	1492-IFM20F-FS-2	—	—	1492-CABLE***S
		2	F	1492-RIFM20F-FS24-2	—	—	1492-CABLE***S

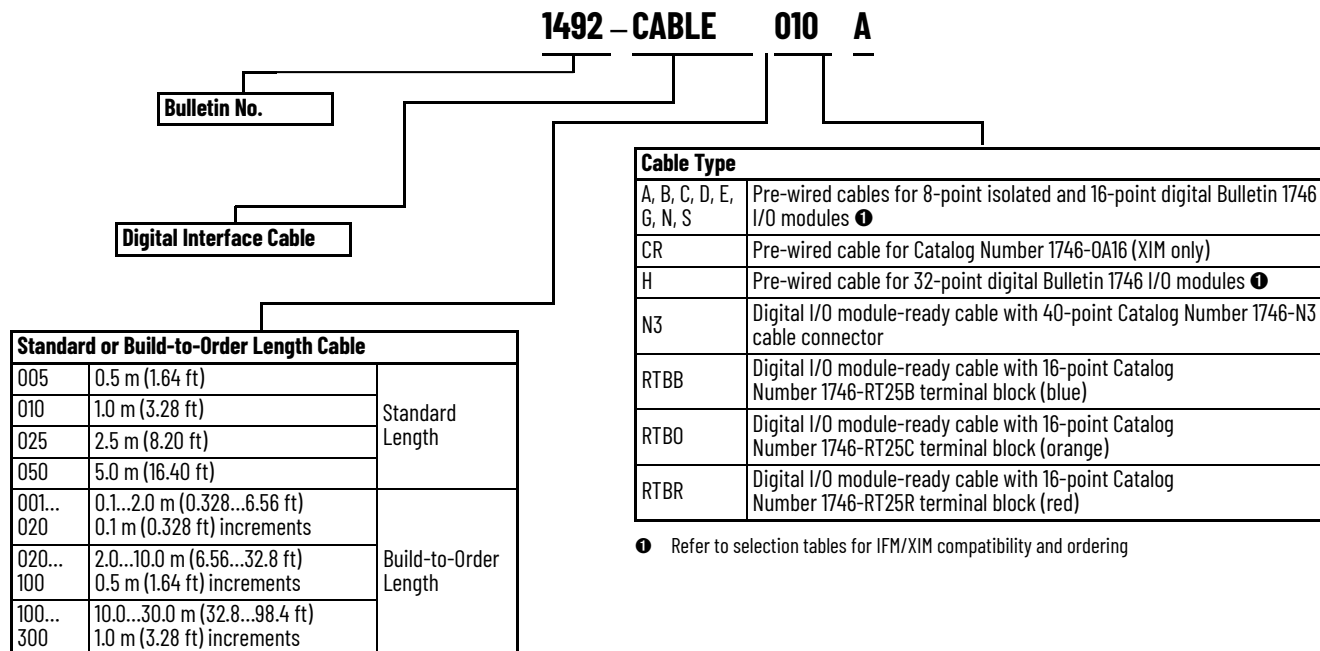
(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Pre-Wired Digital Cables for 1746 SLC500 Digital I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#)

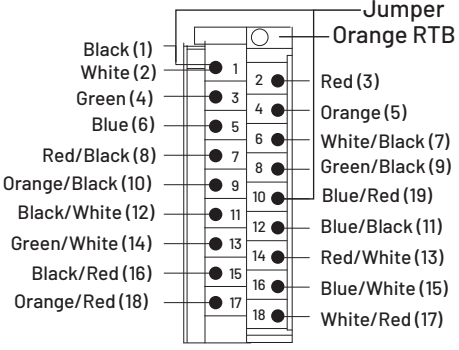


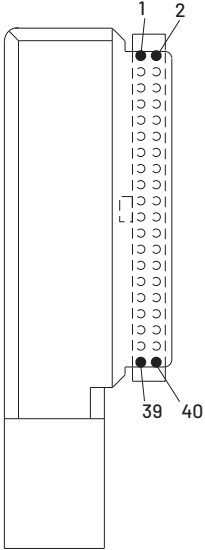
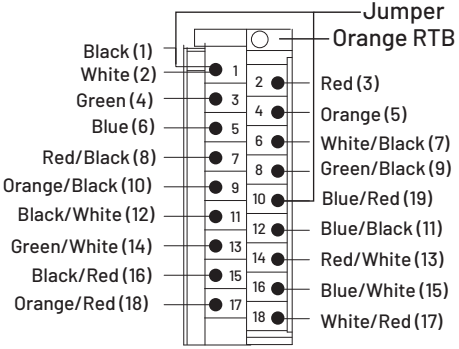
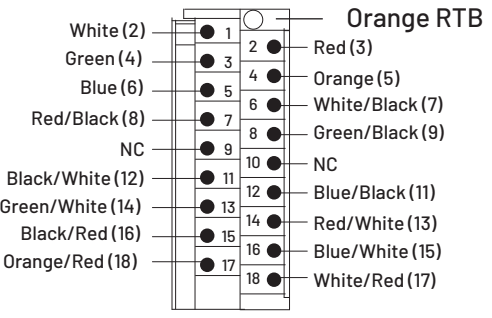
IMPORTANT The cables used for Relay Master/Expander XIMs are the same as those used for Digital I/O Modules with the exception of the Catalog Number 1746-0A16 output module, which uses the 1492-CABLE*CR cable.

1746 SLC500 Digital Cable Specifications

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CABLE*A	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25R Red	
1492-CABLE*B	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25B Blue	
1492-CABLE*C	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25R Red	
1492-CABLE*CR	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25R Red	
1492-CABLE*D	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25C Orange	

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CABLE*E	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25B Blue	<p>White (2) — Blue RTB Black (1) — Red (3) Green (4) — Orange (5) Blue (6) — White/Black (7) Red/Black (8) — Green/Black (9) Orange/Black (10) — Blue/Black (11) Black/White (12) — Red/White (13) Green/White (14) — Blue/White (15) Black/Red (16) — White/Red (17) Orange/Red (18) — Blue/Red (20) Red/Green (19)</p>
1492-CABLE*G	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25R Red	<p>White (2) — Jumper Black (1) — Red RTB Green (4) — Red (3) Blue (6) — Orange (5) Red/Black (8) — White/Black (7) Orange/Black (10) — Green/Black (9) Black/White (12) — Blue/Red (19) Green/White (14) — Blue/Black (11) Black/Red (16) — Red/White (13) Orange/Red (18) — Blue/White (15) White/Red (17)</p>
1492-CABLE*H	40	#22 AWG	11.7 mm (0.46 in.)	1746-N3	<p>Black (1) White (2) Red (3) Green (4) Orange (5) Blue (6) White/Black (7) Red/Black (8) Green/Black (9) Orange/Black (10) Blue/Black (11) Black/White (12) Red/White (13) Green/White (14) Blue/White (15) Black/Red (16) White/Red (17) Orange/Red (18) Blue/Red (19) Red/Green (20) Orange/Green (21) Black/White-Red (22) White/Black-Red (23) Red/Black-White (24) Green/Black-White (25) Orange/Black-White (26) Blue/Black-White (27) Black/Red-Green (28) White/Red-Green (29) Red/Black-Green (30) Green/Black-Orange (31) Orange/Black-Green (32) Blue/White-Orange (33) Black/White-Orange (34) White/Red-Orange (35) Orange/White-Blue (36) White/Red-Blue (37) Black/White-Green (38) White/Black-Green (39) Red/White-Green (40)</p>

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CABLE*N	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25C Orange	 <p>The pinout diagram shows a 1746-RT25C Orange connector with 18 pins. The pins are numbered 1 through 18. The color coding for each pin is as follows:</p> <ul style="list-style-type: none"> Pin 1: Black (1) Pin 2: White (2) Pin 3: Green (4) Pin 4: Green (4) Pin 5: Blue (6) Pin 6: Blue (6) Pin 7: Red/Black (8) Pin 8: Red/Black (8) Pin 9: Orange/Black (10) Pin 10: Orange/Black (10) Pin 11: Black/White (12) Pin 12: Black/White (12) Pin 13: Green/White (14) Pin 14: Green/White (14) Pin 15: Black/Red (16) Pin 16: Black/Red (16) Pin 17: Orange/Red (18) Pin 18: Orange/Red (18) <p>Additional labels on the right side of the diagram include:</p> <ul style="list-style-type: none"> Jumper Orange RTB (connected to pins 1 and 2) Red (3) Orange (5) White/Black (7) Green/Black (9) Blue/Red (19) Blue/Black (11) Red/White (13) Blue/White (15) White/Red (17)

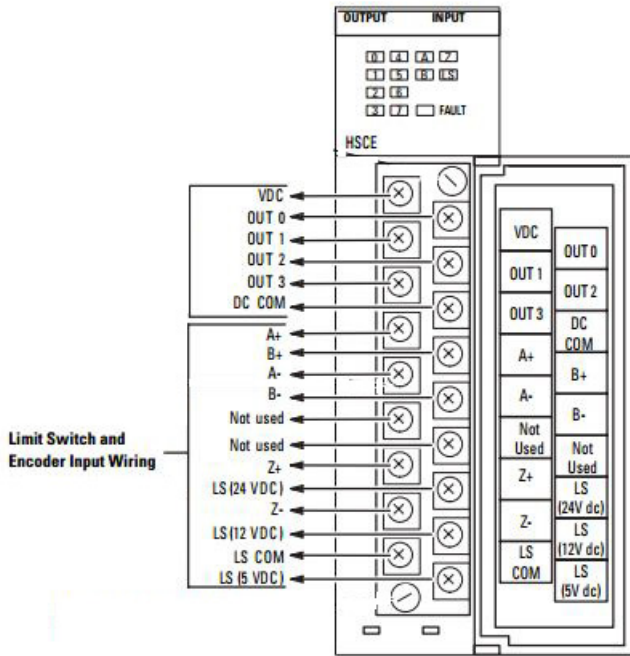
Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CABLE*N3				1746-N3	
1492-CABLE*RTBB				1746-RT25B Blue	
1492-CABLE*S	20	#22 AWG	9.0 mm (0.36 in.)	1746-RT25C Orange	

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-CABLE005A is for a 0.5 m cable. Also refer to [Standard or Build-to-Order Length Cable on page 157](#).

1746 SLC500 Analog IFMs

1746-HSCE

SLC 500 High Speed Counter Encoder Module

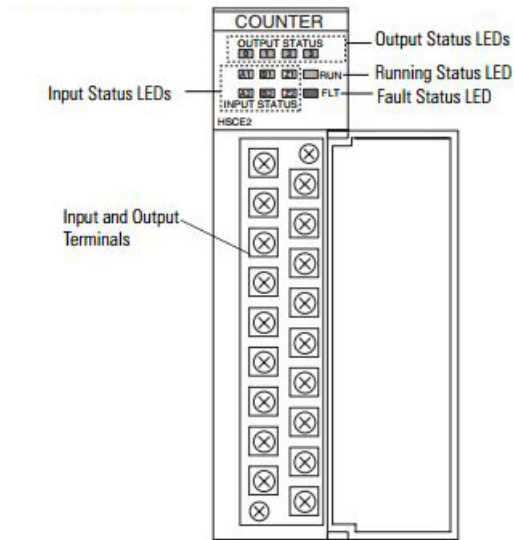


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
High-speed Counter/ Encoder	Standard	2	F	1492-AIFMCE4	1492-ACABLE***K
	Fused	2	F	1492-AIFMCE4-F	1492-ACABLE***K

(1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-HSCE2

SLC 500 Multi-Channel High Speed Counter Module

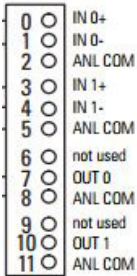


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
High-speed Counter/ Encoder	Standard	2	F	1492-AIFMCE4	1492-ACABLE***P
	Fused	2	F	1492-AIFMCE4-F	1492-ACABLE***P

(1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-F104I

SLC 500 (2) Fast Analog Inputs, (2) Analog Current Outputs Module



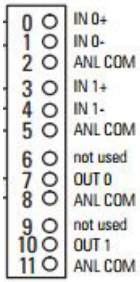
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***L
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***L
Fusible							
2-ch output/2-ch input with 24V blown fuse indicator		5/input, 3/output	F	1492-AIFM4C-F-5			1492-ACABLE***L

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-F104V

SLC 500 (2) Fast Analog Inputs, (2) Analog Voltage Outputs Module

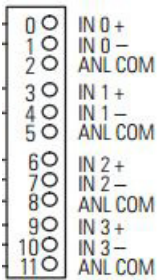


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***L
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***L
Fusible							
2-ch output/2-ch input with 24V blown fuse indicator		5/input, 3/output	F	1492-AIFM4C-F-5			1492-ACABLE***L

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N14

SLC Four Analog Input Module

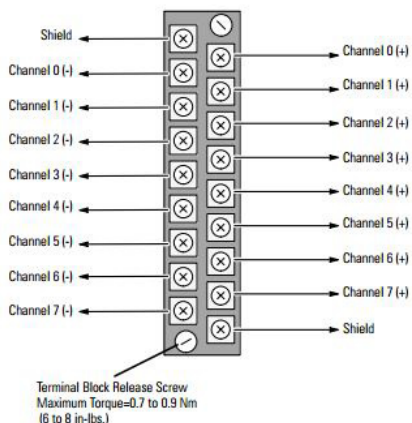


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***A
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***A
Fusible							
4-ch with 24V blown fuse indicator, test points		5/input	F	1492-AIFM4I-F-5			1492-ACABLE***A

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N18

SLC 500 Multi-Channel High Speed Counter Module

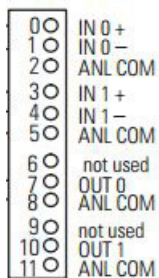


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
8-ch Differential, 16-ch Single ended		3	F	1492-AIFM8-3			1492-ACABLE***C
		3	R	1492-RAIFM8-3	RTB8N	RTB8P	1492-ACABLE***C
Fusible							
8-ch with 24V blown fuse indicator		5	F	1492-AIFM8-F-5			1492-ACABLE***C

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N104I

SLC 500 Two Analog Input, Two Analog Current Module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***L
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***L
Fusible							
2-ch output/2-ch input with 24V blown fuse indicator		5/input, 3/output	F	1492-AIFM4C-F-5			1492-ACABLE***L

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-NI04V

SLC 500 Two Analog Input, Two Analog Voltage Output Module

0	IN 0 +
1	IN 0 -
2	ANL COM
3	IN 1 +
4	IN 1 -
5	ANL COM
6	not used
7	OUT 0
8	ANL COM
9	not used
10	OUT 1
11	ANL COM

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***L
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***L
Fusible							
2-ch output/2-ch input with 24V blown fuse indicator		5/input, 3/output	F	1492-AIFM4C-F-5			1492-ACABLE***L

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N04I

SLC 500 4 Channel Analog Current Output Module

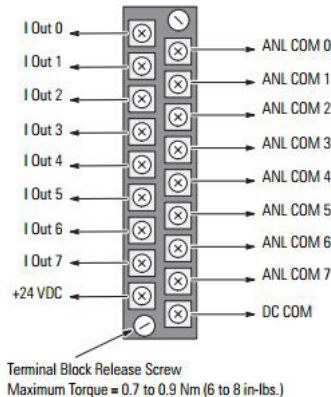
0	IN 0 +
1	IN 0 -
2	ANL COM
3	IN 1 +
4	IN 1 -
5	ANL COM
6	not used
7	OUT 0
8	ANL COM
9	not used
10	OUT 1
11	ANL COM

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***B
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***B

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N08I

SLC 500 8 Channel Analog Current Output Module

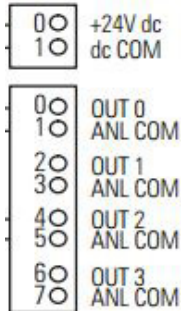


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
8-ch Differential, 16-ch Single ended		3	F	1492-AIFM8-3			1492-ACABLE***R
		3	R	1492-RAIFM8-3	RTB8N	RTB8P	1492-ACABLE***R

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N04V

SLC 500 8 Channel Analog Voltage Output Module

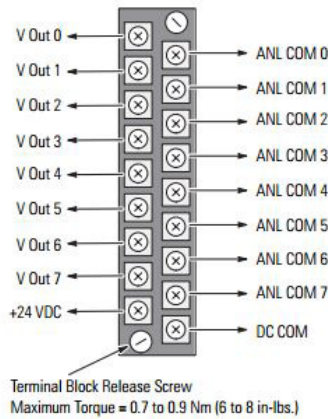


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
4-ch input/output or 2 in/2out combination		3	F	1492-AIFM4-3			1492-ACABLE***B
		3	R	1492-RAIFM4-3	RTB8N	RTB8P	1492-ACABLE***B

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-N08V

SLC 500 8 Channel Analog Voltage Output Module



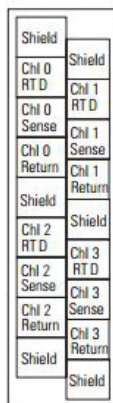
Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed-Through							
8-ch Differential, 16-ch Single ended		3	F	1492-AIFM8-3			1492-ACABLE***R
		3	R	1492-RAIFM8-3	RTB8N	RTB8P	1492-ACABLE***R

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of a code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-NR4

SLC 500 Multi-Channel High Speed Counter Module

Terminal Pin-outs

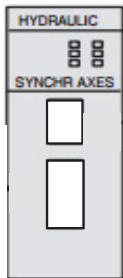


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
High-speed Counter/ Encoder	Standard	2	F	1492-AIFMCE4	1492-ACABLE***P
	Fused	2	F	1492-AIFMCE4-F	1492-ACABLE***P

- (1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-QS

SLC 500 Synchronized Axes Module

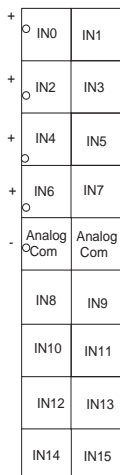


Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	Cable Cat. No. ⁽¹⁾
Fusible	Blown Fuse Indicator	2	F	1492-AIFM0S	1492-ACABLE***Q

(1) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-NI16I

SLC 500 (16) Analog Input Module, +/- 20 Ma Module



Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed Through	Standard	8	F	1492-AIFM8-3	—	—	1492-ACABLE***A46
		8	R	1492-RAIFM8-3	RTB16N	RTB16P	
Fusible	Extra Terminals	2	F	1492-AIFM16-F-3	—	—	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1746-NI16V

SLC 500 (16) Analog Input Module, +/- 10V DC Module

+	○ IN0	IN1
+	○ IN2	IN3
+	○ IN4	IN5
+	○ IN6	IN7
-	○ Analog Com	Analog Com
	IN8	IN9
	IN10	IN11
	IN12	IN13
	IN14	IN15

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Cat. No.	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
Feed Through	Standard	8	F	1492-AIFM8-3	—	—	1492-ACABLE***A46
		8	R	1492-RAIFM8-3	RTB16N	RTB16P	
Fusible	Extra Terminals	2	F	1492-AIFM16-F-3	—	—	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the end of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Pre-Wired Digital Cables for 1746 SLC500 Digital I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#)

1492 – CABLE 010 A

Bulletin No.

Digital Interface Cable

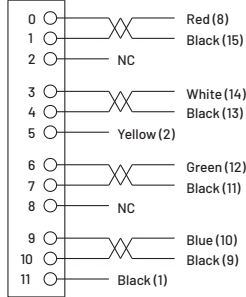
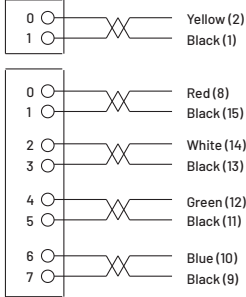
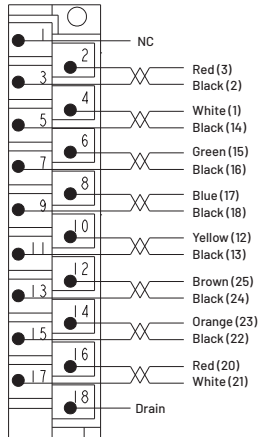
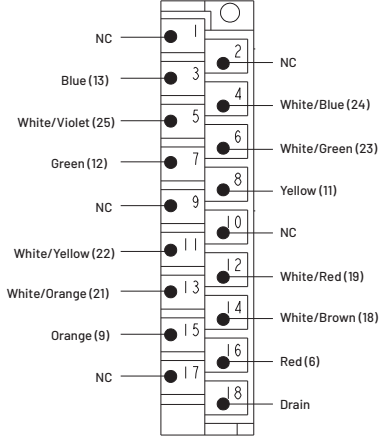
Standard or Build-to-Order Length Cable		
005	0.5 m (1.64 ft)	Standard Length
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001...	0.1...2.0 m (0.328...6.56 ft)	Build-to-Order Length
020	0.1 m (0.328 ft) increments	
020...	2.0...10.0 m (6.56...32.8 ft)	
100	0.5 m (1.64 ft) increments	
100...	10.0...30.0 m (32.8...98.4 ft)	
300	1.0 m (3.28 ft) increments	

Cable Type	
A, B, C, D, E, G, N, S	Pre-wired cables for 8-point isolated and 16-point digital Bulletin 1746 I/O modules ❶
CR	Pre-wired cable for Catalog Number 1746-0A16 (XIM only)
H	Pre-wired cable for 32-point digital Bulletin 1746 I/O modules ❶
N3	Digital I/O module-ready cable with 40-point Catalog Number 1746-N3 cable connector
RTBB	Digital I/O module-ready cable with 16-point Catalog Number 1746-RT25B terminal block (blue)
RTBO	Digital I/O module-ready cable with 16-point Catalog Number 1746-RT25C terminal block (orange)
RTBR	Digital I/O module-ready cable with 16-point Catalog Number 1746-RT25R terminal block (red)

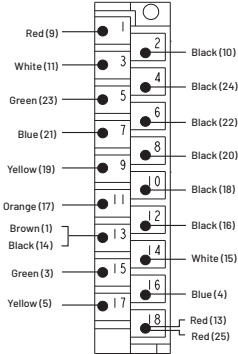
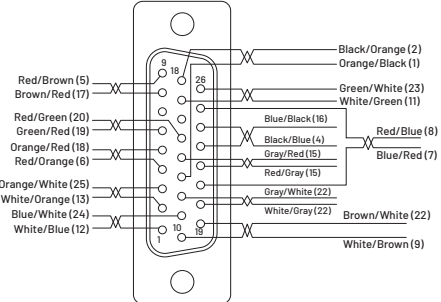
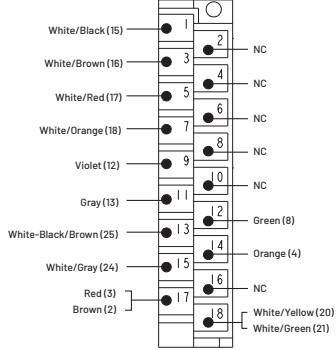
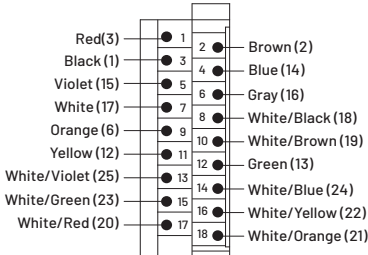
❶ Refer to selection tables for IFM/XIM compatibility and ordering

IMPORTANT The cables used for Relay Master/Expander XIMs are the same as those used for Digital I/O Modules with the exception of the Catalog Number 1746-0A16 output module, which uses the 1492-CABLE*CR cable.

1746 SLC500 Analog Cable Specifications

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Conductor Size	Nominal Outer Diameter	Pinout Diagram
1492-ACABLE* A	1746-RT28	15-pin D-shell	5 Twisted Pairs	22 AWG	7.44 mm (0.293")	
1492-ACABLE* B	1746-RT26 and 1746-RT27	15-pin D-shell	5 Twisted Pairs	22 AWG	7.44 mm (0.293")	
1492-ACABLE* C	1746-RT25G	25-pin D-shell	9 Twisted Pairs	22 AWG	6.78 mm (0.267")	
1492-ACABLE* D	1746-RT25G	25-pin D-shell	20 Conductors	22 AWG	8.43 mm (0.332")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Conductor Size	Nominal Outer Diameter	Pinout Diagram
1492-ACABLE* K	1746-RT25G	25-pin D-shell	11 Twisted Pairs	22 AWG	11.5 mm (0.45")	
1492-ACABLE* L	1746-RT28	15-pin D-shell	5 Twisted Pairs	22 AWG	7.44 mm (0.293")	

Catalog Number ⁽¹⁾	I/O Module Connector	AIFM Connector	No. of Conductors ⁽²⁾	Conductor Size	Nominal Outer Diameter	Pinout Diagram
1492-ACABLE*P	1746-RT25G	25-pin D-shell	11 Twisted Pairs	22 AWG	11.5 mm (0.45")	
1492-ACABLE*Q	1746-QS	25-pin D-shell	12 Twisted Pairs	22 AWG	10.2 mm (0.40")	
1492-ACABLE*R	1746-RT25G	25-pin D-shell	20 Conductors	22 AWG	8.43 mm (0.332")	
1492-ACABLE*A46	1746-RT25G	25-pin D-shell	20 Conductors	22 AWG	10.2 mm (0.40")	

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-ACABLE005A** is for a 0.5 m cable for the 1746-NI4 I/O Module. Also refer to [Standard or Build-to-Order Length Cable on page 171](#)

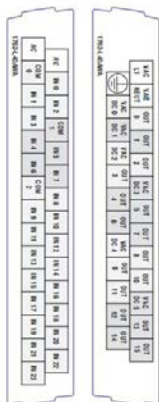
(2) All pre-wired analog cables have an overall shield. On 1492-ACABLE*C and 1492-ACABLE*D, the drain wire is connected to the shield terminal on the I/O module connector. All other 1492-ACABLEs have a ring lug on the 7.87" (200 mm) exposed drain wire at the I/O module end of the cable. Not every connection is always used.

1762 and 1764 MicroLogix Wiring Systems Selection

I/O Type	Cat. No.	Page
MicroLogix™	1762-L40AWA	176
	1762-L40BWA	177
	1762-L40BXB	178
	1762-0B32T	179
	1762-0V32T	179
	1762-IQ32T	180
	1764-24AWA	181
	1764-24BWA	182
	1764-24BXB	183

1762-L40AWA

MicroLogix 1200, 120/240V ac power, (24) 120V AC digital inputs, (16) relay outputs



Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	Inputs	40	—	—	—	—	—	1492-CAB***X62
	Outputs	25	—	—	—	—	—	1492-CAB***T62
Feed Through - Inputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***A62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***A62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***A62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***A62
Feed Through Reduced Height - Inputs	Standard	40	1	F	1492-IFM40FH	—	—	1492-CAB***A62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***A62
	Extra Terminals		2	F	1492-IFM40FH2	—	—	1492-CAB***A62
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***A62
Feed Through - Outputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***B62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***B62
Feed Through Reduced Height - Outputs	Standard	40	1	F	1492-IFM40FH	—	—	1492-CAB***B62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals		2	F	1492-IFM40FH-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***B62

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1762-L40BWA

120/240V AC power, (20) standard 24V DC and (4) Fast 24V DC digital inputs, (16) relay outputs



Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
1762-L40BWA								
I/O Ready Cable	Inputs	40	—	—	—	—	—	1492-CAB***X62
	Outputs	25	—	—	—	—	—	1492-CAB***T62
Feed Through - Inputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***A62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***A62
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***A62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***A62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***A62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***A62
	Extra Terminals Reduced Height		2	F	1492-IFM40FH-2	—	—	1492-CAB***A62
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***A62
Feed Through - Outputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***B62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B62
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals Reduced Height		2	F	1492-IFM40FH-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***B62

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1762-L40BxB

24V DC power, (20) standard 24V DC and (4) fast 24V DC digital inputs, (8) relay outputs, (7) standard 24V DC FET outputs, (1) fast 24V DC FET output



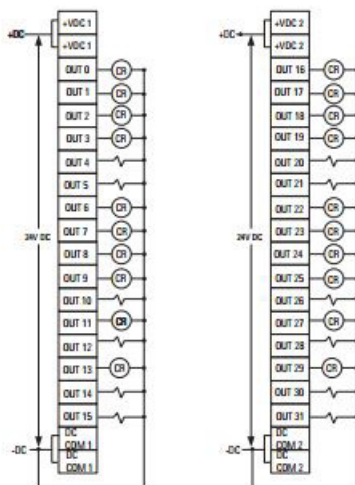
Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
1762-L40BxB								
I/O Ready Cable	Inputs	40	—	—	—	—	—	1492-CAB***X62
	Outputs	25	—	—	—	—	—	1492-CAB***T62
Feed Through - Inputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***A62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***A62
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***A62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***A62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***A62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***A62
Extra Terminals Reduced Height	2	F	1492-IFM40FH-2	—	—	1492-CAB***A62		
	2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***A62		
Feed Through - Outputs	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***B62
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B62
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B62
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***B62
	Extra Terminals Reduced Height		2	F	1492-IFM40FH-2	—	—	1492-CAB***B62
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***B62

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1762-OB32T

32 Point 24V DC Source Output Module

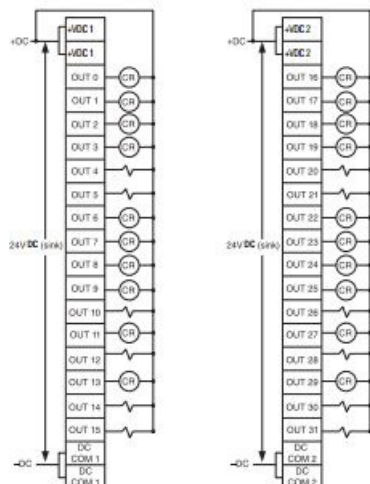


Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
1762-OB32T								
I/O Ready Cable	I/O Ready Cable	40	-	-	-	-	-	1492-CAB***P62★
								1492-CAB***U62★

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** of the Cable Cat. No. shown in the chart above. 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available. The cables shown are 22 AWG.

1762-OV32T

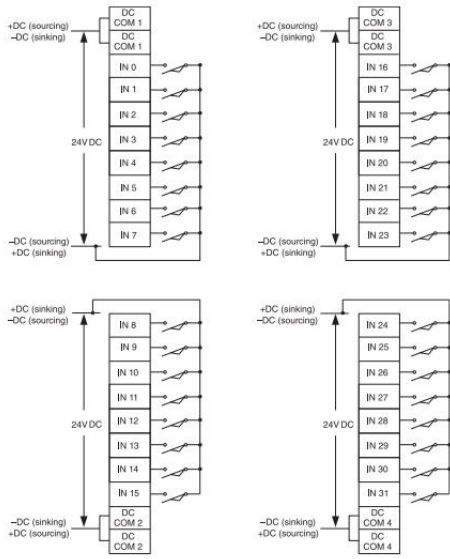
32 Point 24V DC Sink Output Module



Wiring System Type	Description	Number of Conductors	Cable Cat. No.
I/O Ready Cable	I/O Ready Cable	40	1492-CAB***P62★
			1492-CAB***U62★

1762-IQ32T

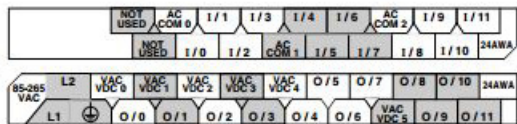
32 Point 24 V DC Sink/Source Input Module



Wiring System Type	Description	Number of Conductors	Cable Cat. No.
I/O Ready Cable	I/O Ready Cable	40	1492-CAB***P62★
			1492-CAB***U62★

1764-24AWA

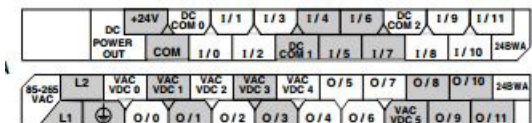
120V AC In / Relay Out / AC Power Module



Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	Screw RTB required	Push-in RTB required	Cable Cat. No.	
I/O Ready Cable	Inputs	20	—	—	—	—	—	1492-CAB***W64	
	Outputs		—	—	—	—	—	1492-CAB***T64	
Feed Through - Inputs	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A64	
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A64	
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A64	
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A64	
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A64	
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A64	
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A64	
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A64	
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A64	
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A64	
	Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***A64	
			2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A64	
	Feed Through - Outputs		Standard	1	F	1492-IFM20F	—	—	1492-CAB***C64
				1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***C64
Standard Reduced Height			1	F	1492-IFM20FH	—	—	1492-CAB***C64	
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***C64	
Narrow			1	F	1492-IFM20FN	—	—	1492-CAB***C64	
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***C64	
Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***C64		
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***C64		
Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***C64		
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***C64		
Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***C64		
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***C64		

1764-24BWA

24V DC In / Relay Out / AC Power Module



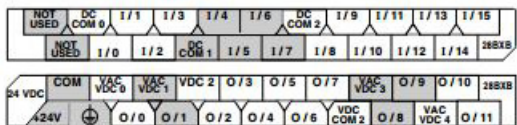
Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	Inputs	20	—	—	—	—	—	1492-CAB***W64
	Outputs		—	—	—	—	—	1492-CAB***T64
Feed Through - Inputs	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A64
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A64
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A64
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A64
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A64
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A64
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A64
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A64
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A64
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A64
	Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***F64
			2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***F64
	Feed Through - Outputs	Standard	1	F	1492-IFM20F	—	—	1492-CAB***C64
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***C64
Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***C64	
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***C64	
Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***C64	
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***C64	
Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***F64	
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***F64	
Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***C64	
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***C64	
Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***F64	
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***F64	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1764-24BxB

120V AC In / Relay Out / AC Power Module



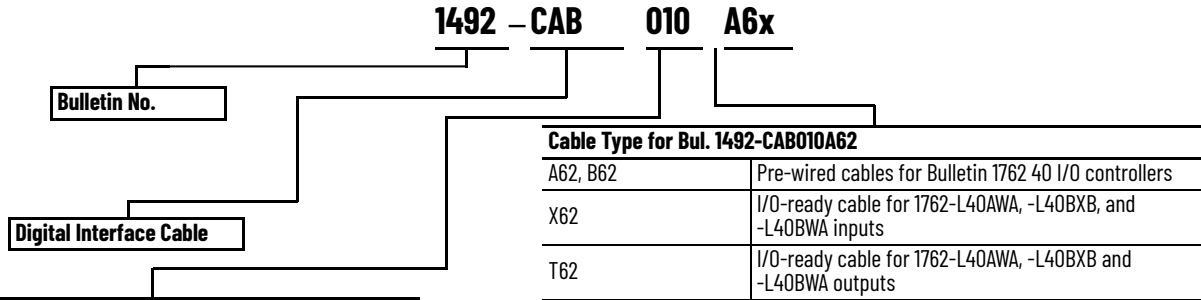
Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)
						Screw	Push-in	
I/O Ready Cable	Inputs	20	—	—	—	—	—	1492-CAB***X64
	Outputs		—	—	—	—	—	1492-CAB***U64
Feed Through - Inputs	Standard		1	F	1492-IFM20F	—	—	1492-CAB***B64
	Standard Reduced Height		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***B64
			1	F	1492-IFM20FH	—	—	1492-CAB***B64
	Narrow		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***B64
			1	F	1492-IFM20FN	—	—	1492-CAB***B64
	Narrow Reduced Height		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***B64
			1	F	1492-IFM20FNH	—	—	1492-CAB***F64
	Extra Terminals		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***F64
			2	F	1492-IFM20F-2	—	—	1492-CAB***B64
	Extra Terminals Reduced Height		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***B64
2			F	1492-IFM20FH-2	—	—	1492-CAB***F64	
Feed Through - Outputs	Standard		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***F64
		2	F	1492-IFM20F	—	—	1492-CAB***F64	
	Standard Reduced Height	1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***F64	
		1	F	1492-IFM20FH	—	—	1492-CAB***F64	
	Narrow	1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***F64	
		1	F	1492-IFM20FN	—	—	1492-CAB***F64	
	Narrow Reduced Height	1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***F64	
		1	F	1492-IFM20FNH	—	—	1492-CAB***F64	
	Extra Terminals	1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***F64	
		2	F	1492-IFM20F-2	—	—	1492-CAB***F64	
Extra Terminals Reduced Height	2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***F64		
	2	F	1492-IFM20FH-2	—	—	1492-CAB***F64		
			2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***F64

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
 (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Pre-wired Cables for 1762 and 1764 MicroLogix I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#)



Standard or Build-to-Order Length Cable		
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...	0.1...2.0 m (0.328...6.56 ft)	Build-to-Order Length
020	0.1 m (0.328 ft) increments	
020...	2.0...10.0 m (6.56...32.8 ft)	
100	0.5 m (1.64 ft) increments	
100...	10.0...30.0 m (32.8...98.4 ft)	
300	1.0 m (3.28 ft) increments	

Cable Type for Bul. 1492-CAB010A62	
A62, B62	Pre-wired cables for Bulletin 1762 40 I/O controllers
X62	I/O-ready cable for 1762-L40AWA, -L40BXXB, and -L40BWA inputs
T62	I/O-ready cable for 1762-L40AWA, -L40BXXB and -L40BWA outputs

Cable Type for Bul. 1492-CAB010A64	
A64, B64, C64, F64	Pre-wired cables for Bulletin 1764 I/O base units
W64	I/O-ready cable for 1764-24AWA, -24BWA base unit inputs
X64	I/O-ready cable 1764-28BXXB base unit inputs
T64	I/O-ready cable for 1764-24AWA, -24BWA base unit outputs
U64	I/O-ready cable for 1764-28BXXB base unit outputs

Pre-wired Cable Specifications

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*A62	40	#22 AWG	11.7 mm (0.46 in.)	1762-L40xxx Input Terminal	<p>Pinout diagram for 1762-L40xxx Input Terminal. The terminal has two rows of 15 pins each. Row A (Low Row) and Row B (High Row) are numbered 1 through 15. The color codes for each pin are as follows:</p> <ul style="list-style-type: none"> Row A (Low Row): 1: Orange/Red (18), 2: Green/White (14), 3: Orange/Black (10), 4: Blue (6), 5: Blue/White/Orange (35), 6: White/Red/Orange (31), 7: Blue/Black/White (27), 8: White/Black/Red (23), 9: White/Black/Blue (37), 10: Black/White/Green (38), 11: White/Red (17), 12: Red (3), 13: Blue/Black (11), 14: White/Black (7), 15: White (4). Row B (High Row): 1: Red/Green (20), 2: Black/Red (16), 3: Black/White (12), 4: Red/Black (8), 5: White/Red/Orange (35), 6: Blue/Black/White (27), 7: White/Black/Red (23), 8: White/Black/Blue (37), 9: Black/White/Green (38), 10: White/Red (17), 11: Red (3), 12: Blue/Black (11), 13: White/Black (7), 14: White (4).
1492-CAB*B62	40	#22 AWG	11.7 mm (0.46 in.)	1762-L40xxx Output Terminal	<p>Pinout diagram for 1762-L40xxx Output Terminal. The terminal has two rows of 15 pins each. Row A (Low Row) and Row B (High Row) are numbered 1 through 15. The color codes for each pin are as follows:</p> <ul style="list-style-type: none"> Row A (Low Row): 1: White (2), 2: Green (4), 3: Black (1), 4: Red (3), 5: Black/White (12), 6: Black/Red (16), 7: Black/Green (20), 8: Red/Black/White (24), 9: Red/Red/Green (28), 10: Orange/Black/Green (32), 11: Black/White/Orange (34), 12: Black/White/Green (38), 13: Red/White/Orange (40). Row B (High Row): 1: Blue (6), 2: Red/Black (8), 3: Orange/Black (10), 4: Green/White (14), 5: Orange/Red (18), 6: Black/White/Red (22), 7: Orange/Black/White (26), 8: Red/Black/Green (30), 9: White/Red/Blue (37), 10: White/Black/Blue (39), 11: Orange/White/Blue (36), 12: Red/White/Green (40).
1492-CAB*A64	20	#22 AWG	9.0 mm (0.36 in.)	1764-24AWA, -24BWA Input Terminal	<p>Pinout diagram for 1764-24AWA, -24BWA Input Terminal. The terminal has two rows of 9 pins each. Row A (Low Row) and Row B (High Row) are numbered 1 through 9. The color codes for each pin are as follows:</p> <ul style="list-style-type: none"> Row A (Low Row): 1: Green/White (14), 2: Black/White (12), 3: Blue/Red (19), 4: Red/Green (20), 5: Green/Black (9), 6: White/Black (7), 7: Blue (6), 8: Green (4), 9: Black (1). Row B (High Row): 1: Red/White (13), 2: Blue/Black (11), 3: Orange/Black (10), 4: Red/Black (8), 5: White (2), 6: Orange (5), 7: Red (3).

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram																																																																											
1492-CAB*B64	20	#22 AWG	9.0 mm (0.36 in.)	1764-28BxB Input Terminal	<p>Pinout diagram for 1764-28BxB Input Terminal. The diagram shows two rows of 10 pins each. Row B (High Row) and Row A (Low Row) are labeled. The color codes for each pin are as follows:</p> <table border="1"> <thead> <tr> <th>Row</th> <th>Pin</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>Row B</td><td>1</td><td>White/Red (17)</td></tr> <tr><td>Row B</td><td>2</td><td>Blue/White (15)</td></tr> <tr><td>Row B</td><td>3</td><td>Red/White (13)</td></tr> <tr><td>Row B</td><td>4</td><td>Blue/Black (11)</td></tr> <tr><td>Row B</td><td>5</td><td>Orange/Black (10)</td></tr> <tr><td>Row B</td><td>6</td><td>White (2)</td></tr> <tr><td>Row B</td><td>7</td><td>Red/Black (8)</td></tr> <tr><td>Row B</td><td>8</td><td>Orange (5)</td></tr> <tr><td>Row B</td><td>9</td><td>Red (3)</td></tr> <tr><td>Row B</td><td>10</td><td>Black (1)</td></tr> <tr><td>Row A</td><td>1</td><td>Orange/Red (16)</td></tr> <tr><td>Row A</td><td>2</td><td>Black/White (14)</td></tr> <tr><td>Row A</td><td>3</td><td>Green/White (12)</td></tr> <tr><td>Row A</td><td>4</td><td>Blue/Red (18)</td></tr> <tr><td>Row A</td><td>5</td><td>Red/Green (20)</td></tr> <tr><td>Row A</td><td>6</td><td>Green/Black (9)</td></tr> <tr><td>Row A</td><td>7</td><td>White/Black (7)</td></tr> <tr><td>Row A</td><td>8</td><td>Blue (6)</td></tr> <tr><td>Row A</td><td>9</td><td>Green (4)</td></tr> <tr><td>Row A</td><td>10</td><td>Black (1)</td></tr> </tbody> </table>	Row	Pin	Color	Row B	1	White/Red (17)	Row B	2	Blue/White (15)	Row B	3	Red/White (13)	Row B	4	Blue/Black (11)	Row B	5	Orange/Black (10)	Row B	6	White (2)	Row B	7	Red/Black (8)	Row B	8	Orange (5)	Row B	9	Red (3)	Row B	10	Black (1)	Row A	1	Orange/Red (16)	Row A	2	Black/White (14)	Row A	3	Green/White (12)	Row A	4	Blue/Red (18)	Row A	5	Red/Green (20)	Row A	6	Green/Black (9)	Row A	7	White/Black (7)	Row A	8	Blue (6)	Row A	9	Green (4)	Row A	10	Black (1)												
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1492-CAB*C64	20	#22 AWG	9.0 mm (0.36 in.)	1764-24AWA, -24BWA Output Terminal	<p>Pinout diagram for 1764-24AWA, -24BWA Output Terminal. The diagram shows two rows of 10 pins each. Row B (High Row) and Row A (Low Row) are labeled. The color codes for each pin are as follows:</p> <table border="1"> <thead> <tr> <th>Row</th> <th>Pin</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>Row B</td><td>1</td><td>Black (1)</td></tr> <tr><td>Row B</td><td>2</td><td>White (2)</td></tr> <tr><td>Row B</td><td>3</td><td>Blue/White (15)</td></tr> <tr><td>Row B</td><td>4</td><td>Black/Red (16)</td></tr> <tr><td>Row B</td><td>5</td><td>White/Red (17)</td></tr> <tr><td>Row B</td><td>6</td><td>Orange/Red (18)</td></tr> <tr><td>Row B</td><td>7</td><td>Red/Black (8)</td></tr> <tr><td>Row B</td><td>8</td><td>Orange/Black (10)</td></tr> <tr><td>Row B</td><td>9</td><td>Blue/Red (19)</td></tr> <tr><td>Row B</td><td>10</td><td>Red/Green (20)</td></tr> <tr><td>Row A</td><td>1</td><td>Red (3)</td></tr> <tr><td>Row A</td><td>2</td><td>Green (4)</td></tr> <tr><td>Row A</td><td>3</td><td>Blue (6)</td></tr> <tr><td>Row A</td><td>4</td><td>White/Black (7)</td></tr> <tr><td>Row A</td><td>5</td><td>Green/Black (9)</td></tr> <tr><td>Row A</td><td>6</td><td>Blue/Red (19)</td></tr> <tr><td>Row A</td><td>7</td><td>Red/Green (20)</td></tr> <tr><td>Row A</td><td>8</td><td>Black/White (12)</td></tr> <tr><td>Row A</td><td>9</td><td>Red/White (11)</td></tr> <tr><td>Row A</td><td>10</td><td>Green/White (14)</td></tr> </tbody> </table>	Row	Pin	Color	Row B	1	Black (1)	Row B	2	White (2)	Row B	3	Blue/White (15)	Row B	4	Black/Red (16)	Row B	5	White/Red (17)	Row B	6	Orange/Red (18)	Row B	7	Red/Black (8)	Row B	8	Orange/Black (10)	Row B	9	Blue/Red (19)	Row B	10	Red/Green (20)	Row A	1	Red (3)	Row A	2	Green (4)	Row A	3	Blue (6)	Row A	4	White/Black (7)	Row A	5	Green/Black (9)	Row A	6	Blue/Red (19)	Row A	7	Red/Green (20)	Row A	8	Black/White (12)	Row A	9	Red/White (11)	Row A	10	Green/White (14)												
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1492-CAB*F64	20	#22 AWG	9.0 mm (0.36 in.)	1764-28BxB Output Terminal	<p>Pinout diagram for 1764-28BxB Output Terminal. The diagram shows two rows of 10 pins each. Row B (High Row) and Row A (Low Row) are labeled. The color codes for each pin are as follows:</p> <table border="1"> <thead> <tr> <th>Row</th> <th>Pin</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>Row B</td><td>1</td><td>Black (1)</td></tr> <tr><td>Row B</td><td>2</td><td>White (2)</td></tr> <tr><td>Row B</td><td>3</td><td>Blue/White (15)</td></tr> <tr><td>Row B</td><td>4</td><td>Black/Red (16)</td></tr> <tr><td>Row B</td><td>5</td><td>Blue (6)</td></tr> <tr><td>Row B</td><td>6</td><td>Red/Black (8)</td></tr> <tr><td>Row B</td><td>7</td><td>Orange/Black (10)</td></tr> <tr><td>Row B</td><td>8</td><td>Blue/Red (19)</td></tr> <tr><td>Row B</td><td>9</td><td>Orange/Red (18)</td></tr> <tr><td>Row B</td><td>10</td><td>Blue/Black (11)</td></tr> <tr><td>Row A</td><td>1</td><td>Red (3)</td></tr> <tr><td>Row A</td><td>2</td><td>Green (4)</td></tr> <tr><td>Row A</td><td>3</td><td>Orange (5)</td></tr> <tr><td>Row A</td><td>4</td><td>White/Black (7)</td></tr> <tr><td>Row A</td><td>5</td><td>Green/Black (9)</td></tr> <tr><td>Row A</td><td>6</td><td>White/Red (17)</td></tr> <tr><td>Row A</td><td>7</td><td>Orange/Red (18)</td></tr> <tr><td>Row A</td><td>8</td><td>Blue/Black (11)</td></tr> <tr><td>Row A</td><td>9</td><td>Red/White (11)</td></tr> <tr><td>Row A</td><td>10</td><td>Red/White (11)</td></tr> <tr><td>Row A</td><td>11</td><td>Green/White (14)</td></tr> </tbody> </table>	Row	Pin	Color	Row B	1	Black (1)	Row B	2	White (2)	Row B	3	Blue/White (15)	Row B	4	Black/Red (16)	Row B	5	Blue (6)	Row B	6	Red/Black (8)	Row B	7	Orange/Black (10)	Row B	8	Blue/Red (19)	Row B	9	Orange/Red (18)	Row B	10	Blue/Black (11)	Row A	1	Red (3)	Row A	2	Green (4)	Row A	3	Orange (5)	Row A	4	White/Black (7)	Row A	5	Green/Black (9)	Row A	6	White/Red (17)	Row A	7	Orange/Red (18)	Row A	8	Blue/Black (11)	Row A	9	Red/White (11)	Row A	10	Red/White (11)	Row A	11	Green/White (14)									
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1492-CAB*T62	25	#18 AWG	13.2 mm (0.52 in.)	1762-L40xxx Output Connector	<p>Pinout diagram for 1762-L40xxx Output Connector. The diagram shows two rows of 12 pins each. Row B (High Row) and Row A (Low Row) are labeled. The color codes for each pin are as follows:</p> <table border="1"> <thead> <tr> <th>Row</th> <th>Pin</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>Row B</td><td>1</td><td>Black</td></tr> <tr><td>Row B</td><td>2</td><td>White</td></tr> <tr><td>Row B</td><td>3</td><td>Blue/White</td></tr> <tr><td>Row B</td><td>4</td><td>Black/Red</td></tr> <tr><td>Row B</td><td>5</td><td>White/Red</td></tr> <tr><td>Row B</td><td>6</td><td>Orange/Red</td></tr> <tr><td>Row B</td><td>7</td><td>Blue/Red</td></tr> <tr><td>Row B</td><td>8</td><td>Red/Green</td></tr> <tr><td>Row B</td><td>9</td><td>Orange/Green</td></tr> <tr><td>Row B</td><td>10</td><td>Black/White/Red</td></tr> <tr><td>Row B</td><td>11</td><td>White/Black/Red</td></tr> <tr><td>Row B</td><td>12</td><td>Red/Black/White</td></tr> <tr><td>Row A</td><td>1</td><td>Green</td></tr> <tr><td>Row A</td><td>2</td><td>Red</td></tr> <tr><td>Row A</td><td>3</td><td>Orange</td></tr> <tr><td>Row A</td><td>4</td><td>Blue</td></tr> <tr><td>Row A</td><td>5</td><td>White/Black</td></tr> <tr><td>Row A</td><td>6</td><td>Red/Black</td></tr> <tr><td>Row A</td><td>7</td><td>Green/Black</td></tr> <tr><td>Row A</td><td>8</td><td>Orange/Black</td></tr> <tr><td>Row A</td><td>9</td><td>Blue/Black</td></tr> <tr><td>Row A</td><td>10</td><td>Black/White</td></tr> <tr><td>Row A</td><td>11</td><td>Red/White</td></tr> <tr><td>Row A</td><td>12</td><td>Green/White</td></tr> </tbody> </table>	Row	Pin	Color	Row B	1	Black	Row B	2	White	Row B	3	Blue/White	Row B	4	Black/Red	Row B	5	White/Red	Row B	6	Orange/Red	Row B	7	Blue/Red	Row B	8	Red/Green	Row B	9	Orange/Green	Row B	10	Black/White/Red	Row B	11	White/Black/Red	Row B	12	Red/Black/White	Row A	1	Green	Row A	2	Red	Row A	3	Orange	Row A	4	Blue	Row A	5	White/Black	Row A	6	Red/Black	Row A	7	Green/Black	Row A	8	Orange/Black	Row A	9	Blue/Black	Row A	10	Black/White	Row A	11	Red/White	Row A	12	Green/White
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Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*X62	40	#22 AWG	11.7 mm (0.46 in.)	1762-L40xxx Input Connector	<p>Pinout diagram for 1762-L40xxx Input Connector. Row B (High Row) has 20 pins numbered 1-20 with colors: White/Red/Green, Black/Red/Green, Blue/Black/White, Orange/Black/White, Green/Black/White, Red/Black/White, White/Black/Red, Black/Black/Red, Orange/Green, Red/Green, Blue/Red, Orange/Red, White/Red, Black/Red, White/Red, Black. Row A (Low Row) has 20 pins numbered 1-20 with colors: Blue/White, Green/White, Red/White, Black/White, Blue/Black, Orange/Black, Green/Black, Red/Black, White/Black, Orange/Green, Blue/Red, Orange/Red, White/Red, Black/Red, White/Red, Blue.</p>
1492-CAB*T64	20	#18 AWG	11.4 mm (0.45 in.)	1764-24AWA, -24BWA Output Terminal	<p>Pinout diagram for 1764-24AWA, -24BWA Output Terminal. Row B (High Row) has 10 pins numbered 1-10 with colors: Black, Red/White, Green/White, Blue/White, White/Red, Orange/Red, Blue/Red, Red/Green, Orange/Green. Row A (Low Row) has 10 pins numbered 1-10 with colors: White, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White.</p>
1492-CAB*U64	20	#18 AWG	11.4 mm (0.45 in.)	1764-28BxB Output Terminal	<p>Pinout diagram for 1764-28BxB Output Terminal. Row B (High Row) has 10 pins numbered 1-10 with colors: Black, Red/White, Green/White, Blue/White, White/Red, Orange/Red, Blue/Red, Red/Green, Orange/Green. Row A (Low Row) has 10 pins numbered 1-10 with colors: Blue, Green, White, Red, Orange, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black.</p>
1492-CAB*W64	20	#22 AWG	9.0 mm (0.36 in.)	1764-24AWA, -BWA Input Terminal	<p>Pinout diagram for 1764-24AWA, -BWA Input Terminal. Row B (High Row) has 8 pins numbered 1-8 with colors: White/Blue, White/Green, White/Yellow, White/Orange, White/Red, White/Brown, White/Black, Black. Row A (Low Row) has 9 pins numbered 1-9 with colors: White, Gray, Violet, Blue, Yellow, Orange, Red, Brown, Green.</p>
1492-CAB*X64	20	#22 AWG	9.0 mm (0.36 in.)	1764-28BxBH Input Terminal	<p>Pinout diagram for 1764-28BxBH Input Terminal. Row B (High Row) has 8 pins numbered 1-8 with colors: White/Blue, White/Green, White/Yellow, White/Orange, White/Red, White/Brown, White/Black, Black. Row A (Low Row) has 9 pins numbered 1-9 with colors: White, Gray, Violet, Blue, Yellow, Orange, Red, Brown, Green.</p>

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-ACABLE005A** is for a 0.5 m cable for the 1764-NI4 I/O Module. Also refer to [Standard or Build-to-Order Length Cable on page 184](#)

1794 Flex I/O Modules Wiring Systems Selection

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	1794-IB16D	189
	1794-IV16	190
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	1794-OB8EP	192
	1794-OB16	193
	1794-OB32P	194
	1794-OV16	195
	1794-OV16P	196
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	1794-IB10XOB6	197
	1794-IB16XOB16P	198

1794-IB8

Input Module, 24V DC, 8 Sink Inputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
Sensor	3		F	1492-IFM20F-3	—	—	1492-CAB***A94	
LED Indicating	Narrow		1	F	1492-IFM20D24N	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24A-2	—	—	1492-CAB***A94
Fusible	Blown Fuse		2	F	1492-IFM20F-F24A-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CAB***A94

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1794-IB16

Input Module, 24V DC, 16 Sink Inputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***A94	
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
Sensor		3	F	1492-IFM20F-3	—	—	1492-CAB***A94	
LED Indicating	Narrow		1	F	1492-IFM20D24N	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24A-2	—	—	1492-CAB***A94
Fusible	Blown Fuse		2	F	1492-IFM20F-F24A-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F24A-2	RTB20N	RTB20P	1492-CAB***A94

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1794-IB16D

Input Module, 24V DC, 16 Sink Inputs, Diagnostics

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—		—	—	—	—	—	1492-CAB***H94
Feed Through	Standard	40	1	F	1492-IFM40F	—	—	1492-CAB***B94
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B94
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B94
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B94
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B94
			2	R	1492-RIFM40F-2#	RTB20N	RTB20P	1492-CAB***B94
	Extra Terminals Reduced Height		2	F	1492-IFM40FH-2	—	—	1492-CAB***B94
			2	R	1492-RIFM40FH-2#	RTB20N	RTB20P	1492-CAB***B94

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1794-IV16

Input Module, 24V DC, 16 Source Inputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
Sensor	3		F	1492-IFM20F-3	—	—	1492-CAB***A94	
LED Indicating	Extra Terminals		2	F	1492-IFM20D24A-2	—	—	1492-CAB***A94

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
To order add 1492- in front of the code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-IB32

Input Module, 24V DC, 32 Sink Inputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)	
						Screw	Push-in		
I/O Ready Cable	—	40	—	—	—	—	—	1492-CAB***H94	
Feed Through	Standard		1	F	1492-IFM40F	—	—	1492-CAB***B94	
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B94	
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B94	
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B94	
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B94	
			2	R	1492-RIFM40F-2	RTB20N	RTB20P	1492-CAB***B94	
	Extra Terminals Reduced Height		2	F	1492-IFM40FH-2	—	—	1492-CAB***B94	
			2	R	1492-RIFM40FH-2	RTB20N	RTB20P	1492-CAB***B94	
	LED Indicating		Standard	1	F	1492-IFM40D24	—	—	1492-CAB***B94
				1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***B94
Extra Terminals			2	F	1492-IFM40D24A-2	—	—	1492-CAB***B94	
			2	R	1492-RIFM40D24A-2	RTB20N	RTB20P	1492-CAB***B94	

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
To order add 1492- in front of the code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OB8

24V DC, 8 Source Outputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
LED Indicating	Standard		1	F	1492-IFM20D24	—	—	1492-CAB***A94
	Narrow		1	F	1492-IFM20D24N	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CAB***A94
Fusible	Extra Terminals		2	F	1492-IFM20F-F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***A94
	Blown Fuse		2	F	1492-IFM20F-F24-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***A94
Relay	Master (LED Indication) - 8 Relays	1	F	1492-XIM2024-8R	—	—	1492-CAB***A94	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
 To order add 1492- in front of the code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OB8EP

Output Module, 24V DC, 8 Outputs, Electronically Protected

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
LED Indicating	Standard		1	F	1492-IFM20D24	—	—	1492-CAB***A94
	Narrow		1	F	1492-IFM20D24N	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CAB***A94
Fusible	Extra Terminals		2	F	1492-IFM20F-F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***A94
	Blown Fuse		2	F	1492-IFM20F-F24-2	—	—	1492-CAB***A94
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***A94	
Relay	Master (LED Indication) - 8 Relays	1	F	1492-XIM2024-8R	—	—	1492-CAB***A94	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.

To order add 1492- in front of the code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OB16

Output Module, 24V DC, 16 Source Outputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
LED Indicating	Standard		1	F	1492-IFM20D24	—	—	1492-CAB***A94
	Narrow		1	F	1492-IFM20D24N	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CAB***A94
Fusible	Extra Terminals		2	F	1492-IFM20F-F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***A94
	Blown Fuse		2	F	1492-IFM20F-F24-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***A94
Relay	Master (LED Indication) - 16 Relays	1	F	1492-XIM2024-16R	—	—	1492-CAB***A94	
	Master (LED Indication) - 16 Relays with Fusing	1	F	1492-XIM2024-16RF	—	—	1492-CAB***A94	
	Master/ Expander Assembly - 8 Relays and 8 Feed Through Channels	1	F	1492-XIM2024-8R	—	—	1492-CAB***A94	
		2	F	1492-XIMF-2	—	—	—	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
 To order add 1492- in front of the code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OB32P

Output Module, 24V DC, 32 Source (2 groups of 16) Outputs, Protected

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)
						Screw	Push-in	
I/O Ready	—	40	—	—	—	—	—	1492-CAB***H94
Feed Through	Standard		1	F	1492-IFM40F	—	—	1492-CAB***B94
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B94
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B9426
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B9426
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B94
			2	R	1492-RIFM40F-2#	RTB20N	RTB20P	1492-CAB***B94
Extra Terminals Reduced Height	2		F	1492-IFM40FH-2	—	—	1492-CAB***B9426	
	2		R	1492-RIFM40FH-2#	RTB20N	RTB20P	1492-CAB***B9426	
LED Indicating	Standard		1	F	1492-IFM40D24	—	—	1492-CAB***B94
			1	R	1492-RIFM40D24	RTB20N	RTB20P	1492-CAB***B94
Fusible	Extra Terminals		2	F	1492-IFM40F-F-2	—	—	1492-CAB***B94
			2	F	1492-IFM40F-F24-2	—	—	1492-CAB***B94
	Blown Fuse		2	R	1492-RIFM40F-F24-	RTB20N	RTB20P	1492-CAB***B94
			1	F	1492-XIM4024-16RF	—	—	1492-CAB***B94
Relay	Master/Expander Assembly (LED Indication) - 32 Total Relays with Fusing		1	F	1492-XIM24-16RF	—	—	
			1	R	1492-RXIM4024-	RTB14N	RTB14P	1492-CAB***B94
	Master/Expander/Expander Assembly (LED Indication) - 32 Total Relays		1	R	1492-RXIM24-8R	RTB12N	RTB12P	
			1	R	1492-RXIM24-8R	RTB12N	RTB12P	
	Master/Expander/Expander Assembly (LED Indication) - 32 Total Relays		1	F	1492-XIM4024-16R	—	—	1492-CAB***B94
			1	F	1492-XIM24-8R	—	—	
			1	F	1492-XIM24-8R	—	—	
			1	F	1492-XIM4024-16R	—	—	
	Master/Expander/Expander Assembly - 24 Total Relays and 8 Feed Through Channels		1	F	1492-XIM24-8R	—	—	1492-CAB***B94
			2	F	1492-XIMF-2	—	—	
1			F	1492-XIM4024-16R#	—	—		
Master/Expander/Expander Assembly - 16 Relays and 16 Feed Through Channels	1		F	1492-XIMF-2	—	—	1492-CAB***B94	
	1		F	1492-XIMF-2	—	—		
	2	F	1492-XIMF-2	—	—			

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
 To order add 1492- in front of the code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050.
 Custom lengths are available.

1794-OV16

Output Module, 24V DC, 16 Sink Outputs

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)	Wiring Diagram
						Screw	Push-in		
I/O Ready Cable	—		—	—	—	—	—	1492-CAB***G94	—
Feed Through	Standard	20	1	F	1492-IFM20F	—	—	1492-CAB***A94	41170-802
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94	41170-802
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94	41170-802
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94	41170-802
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94	41170-808
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94	41170-808
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94	41170-808
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94	41170-808
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94	41170-803
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94	41170-803
	Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***A94	41170-803
			2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	41170-803
LED Indicating	Standard	1	F	1492-IFM20D24	—	—	1492-CAB***A94	41170-804	
	Extra Terminals	2	F	1492-IFM20D24-2	—	—	1492-CAB***A94	41170-805	
Fusible	Extra Terminals	2	F	1492-IFM20F-F-2	—	—	1492-CAB***A94	41170-806	
		2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***A94	41170-806	
	Blown Fuse	2	F	1492-IFM20F-F24-2	—	—	1492-CAB***A94	41170-807	
		2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***A94	41170-807	

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OV16P

Output Module, 24V DC, 16 Sink Outputs, Protected

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	20	—	—	—	—	—	1492-CAB***G94
Feed Through	Standard		1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
Extra Terminals Reduced Height	2		F	1492-IFM20FH-2	—	—	1492-CAB***A94	
	2		R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94	
LED Indicating	Standard		1	F	1492-IFM20D24	—	—	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20D24-2	—	—	1492-CAB***A94
Fusible	Extra Terminals		2	F	1492-IFM20F-F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F-2	RTB20N	RTB20P	1492-CAB***A94
	Blown Fuse		2	F	1492-IFM20F-F24-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-F24-2	RTB20N	RTB20P	1492-CAB***A94

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
To order add 1492- in front of the code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable =010, 2.5M Cable = 025, 5.0M Cable =050. Custom lengths are available.

1794-OW8

Relay Contact Output Module, 8 Point Isolated

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)	
						Screw	Push-in		
I/O Ready Cable	—		—	—	—	—	—	1492-CAB***G94	
Feed Through	Standard	20	1	F	1492-IFM20F	—	—	1492-CAB***A94	
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94	
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94	
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94	
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94	
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94	
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94	
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94	
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94	
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94	
	Extra Terminals Reduced Height		2	F	1492-IFM20F-2H	—	—	1492-CAB***A94	
			2	R	1492-RIFM20F-2H	RTB20N	RTB20P	1492-CAB***A94	
	LED Indicating		Isolated	4	F	1492-IFM20DS24-4	—	—	1492-CAB***A94
				4	F	1492-IFM20DS120-4	—	—	1492-CAB***A94
Fusible, Isolated	Extra Terminals	2	F	1492-IFM20F-FS-2	—	—	1492-CAB***A94		
		2	F	1492-IFM20F-FS24-2	—	—	1492-CAB***A94		
	Blown Fuse	2	F	1492-IFM20F-FS120-2	—	—	1492-CAB***A94		

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5M Cable = 005, 1.0M Cable = 010, 2.5M Cable = 025, 5.0M Cable = 050. Custom lengths are available.

1794-IB10XOB6

Combination Module, 24V DC, 10 In Sink/6 Out Source

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. (2)
						Screw	Push-in	
I/O Ready Cable	—		—	—	—	—	—	1492-CAB***G94
Feed Through	Standard	20	1	F	1492-IFM20F	—	—	1492-CAB***A94
			1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A94
	Standard Reduced Height		1	F	1492-IFM20FH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A94
	Narrow		1	F	1492-IFM20FN	—	—	1492-CAB***A94
			1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A94
	Narrow Reduced Height		1	F	1492-IFM20FNH	—	—	1492-CAB***A94
			1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A94
	Extra Terminals		2	F	1492-IFM20F-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A94
	Extra Terminals Reduced Height		2	F	1492-IFM20FH-2	—	—	1492-CAB***A94
			2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A94

- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

1794-IB16XOB16P

Combination Module, 24V DC, 16 In Sink/16 Out Source

Wiring System Type	Description	Number of Conductors	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
						Screw	Push-in	
I/O Ready Cable	—	40	—	—	—	—	—	1492-CAB***H94
Feed Through	Standard		1	F	1492-IFM40F	—	—	1492-CAB***B94
			1	R	1492-RIFM40F	RTB20N	RTB20P	1492-CAB***B94
	Standard Reduced Height		1	F	1492-IFM40FH	—	—	1492-CAB***B94
			1	R	1492-RIFM40FH	RTB20N	RTB20P	1492-CAB***B94
	Extra Terminals		2	F	1492-IFM40F-2	—	—	1492-CAB***B94
			2	R	1492-RIFM40F-2#	RTB20N	RTB20P	1492-CAB***B94
Extra Terminals Reduced Height	2		F	1492-IFM40FH-2	—	—	1492-CAB***B94	
	2	R	1492-RIFM40FH-2#	RTB20N	RTB20P	1492-CAB***B94		

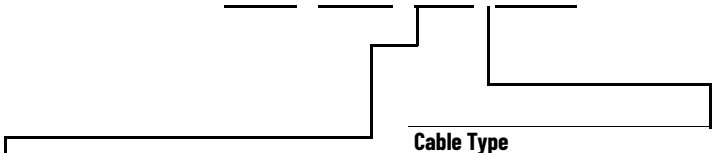
- (1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types.
 To order add 1492- in front of the code listed above. Example: 1492-RTB20P.
- (2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Pre-Wired Cable for 1794 Flex I/O Modules

Catalog Number Explanation

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instructions in See [Ordering Digital and Analog Wiring Systems on page 3](#)

1492 - CAB 010 A94



Standard or Build-to-Order Length Cable		
Code	Descriptions	
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...98.4 ft) 1.0 m (3.28 ft) increments	

Cable Type	
Code	Descriptions
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 for digital I/O using the Bulletin 1794 TB37DS base
H94	Digital I/O ready cable for digital I/O using the Bulletin 1794 TB62DS base

Digital Cable Specifications

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*A94	20	#22 AWG	9.0 mm (0.36 in.)	37-Pin male D-shell (mates with 1794 Flex D-shell style base: 1794-TB37DS)	<p>Flex D-shell End</p>
1492-CAB*B94	40	#22 AWG	11.7 mm (0.46 in.)	62-Pin male D-shell (mates with 1794 Flex D-shell style base: 1794-TB62DS)	<p>End 1 End 2</p>

Cable Wiring Table Conductor for 1492-CAB*B94

Connector 62 Pin D-Shell Reference, End 1	Conductor Color Code	Connectors 40-Pin Reference, End 2	Connector 62 Pin D-Shell Reference, End 1	Conductor Color Code	Connectors 40-Pin Reference, End 2
15	Black	1	39	Orange/Green	21
23	White	2	28	Black/White/Red	22
16	Red	3	40	White/Black/Red	23
24	Green	4	29	Red/Black/White	24
17	Orange	5	41	Green/Black/White	25
4	Blue	6	45	Orange/Black/White	26
18	White/Black	7	42	Blue/Black/White	27
5	Red/Black	8	46	Black/Red/Green	28
19	Green/Black	9	59	White/Red/Green	29
6	Orange/Black	10	47	Red/Black/Green	30
20	Blue/Black	11	60	Green/Black/Orange	31
7	Black/White	12	48	Orange/Black/Green	32
21	Red/White	13	61	Blue/White/Orange	33
8	Green/White	14	49	Black/White/Orange	34
36	Blue/White	15	62	White/Red/Orange	35
25	Black/Red	16	50	Orange/White/Blue	36

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-CAB005A94 is for a 0.5 m cable. Also refer to [Standard or Build-to-Order Length Cable on page 199](#).

I/O Module-Ready Cable Specifications

Catalog Number ⁽¹⁾	No. of Conductors	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-CAB*G94	20	#22 AWG	9.0 mm (0.36 in.)	37-Pin male D-shell (mates with 1794 Flex D-shell style base: 1794-TB37DS)	
1492-CAB*H94	40	#22 AWG	11.7 mm (0.46 in.)	62-Pin male D-shell (mates with 1794 Flex D-shell style base: 1794-TB62DS)	

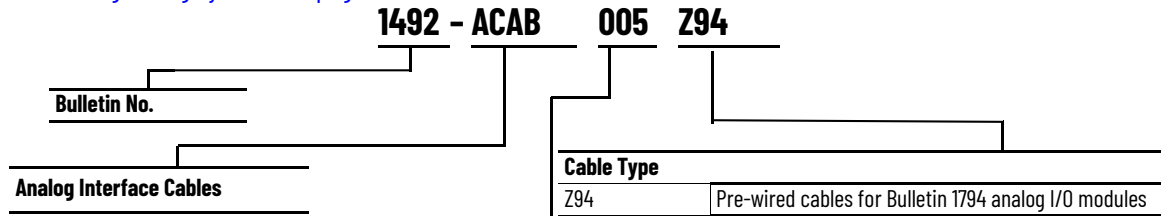
Cable Wiring Table Conductor for 1492-CAB*H94

62-Pin D-shell End	Conductor Color Code	62-Pin D-shell End	Conductor Color Code
15	Black	39	Orange/Green
23	White	28	Black/White/Red
16	Red	40	White/Black/Red
24	Green	29	Red/Black/White
17	Orange	41	Green/Black/White
4	Blue	45	Orange/Black/White
18	White/Black	42	Blue/Black/White
5	Red/Black	46	Black/Red/Green
19	Green/Black	59	White/Red/Green
6	Orange/Black	47	Red/Black/Green
20	Blue/Black	60	Green/Black/Orange
7	Black/White	48	Orange/Black/Green
21	Red/White	61	Blue/White/Orange
8	Green/White	49	Black/White/Orange
36	Blue/White	62	White/Red/Orange
25	Black/Red	50	Orange/White/Blue
37	White/Red	57	White/Red/Blue
26	Orange/Red	1	Black/White/Green
38	Blue/Red	58	White/Black/Green
27	Red/Green	2	Red/White/Green

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-CAB005G94 is for a 0.5 m cable. Also refer to [Standard or Build-to-Order Length Cable on page 199](#).

Pre-Wired Cables for 1794 Flex I/O Analog I/O Modules

The following digital cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers. See selection tables for IFM compatibility and ordering. Refer to the instructions in [Ordering Digital and Analog Wiring Systems on page 3](#)



Standard or Build-to-Order Length Cable	
005	0.5 m (1.64 ft)
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
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 (30.0...98.4 ft) 1.0 m (3.28 ft) increments

Catalog Number ⁽¹⁾	No. of Conductors ⁽²⁾	Conductor Size	Nominal Outer Diameter	I/O Module Connector	Pinout Diagram
1492-ACAB*Z94	20	22 AWG	8.43 mm (0.332")	1794-TB37DS Base	

(1) Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m and 5.0 m. To order, insert the desired cable length code into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: Catalog Number 1492-CAB005694 is for a 0.5 m cable. Also refer to [Standard or Build-to-Order Length Cable on page 202](#).
 (2) All pre-wired analog cables have an overall shield. All 1492-ACABs have a ring lug on the 7.87" (200 mm) exposed drain wire at the I/O module end of the cable. Not every connection is always used.

20C PowerFlex and 700-S/-H I/O Wiring Systems Selection

I/O Type	Cat. No.	Page
Power Flex and 700S/H I/O	20C-D01 and 20C-DA1-A	203
	20C-D01 and 20C-DA1-B	203
	700S-TB2	203
	20C-DA1-A	203
	20C-DA1-B	203
	700S-TB1 (Pins 1...12)	204
	700S-TB1 (Pins 13...24)	204

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	

20C-D01 and 20C-DA1-A

Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***A7H
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A7H
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***A7H26
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A7H26
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***A7H
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***A7H
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***A7H26
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***A7H26
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***A7H
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***A7H
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***A7H26
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***A7H26

20C-D01 and 20C-DA1-B

Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***B7H
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***B7H
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***B7H26
		1	R	1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***B7H26
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***B7H
		1	R	1492-RIFM20FN	RTB10N	RTB10P	1492-CAB***B7H
	Narrow Reduced Height	1	F	1492-IFM20FNH	—	—	1492-CAB***B7H26
		1	R	1492-RIFM20FNH	RTB10N	RTB10P	1492-CAB***B7H26
	Extra Terminals	2	F	1492-IFM20F-2	—	—	1492-CAB***B7H
		2	R	1492-RIFM20F-2	RTB20N	RTB20P	1492-CAB***B7H
	Extra Terminals Reduced Height	2	F	1492-IFM20FH-2	—	—	1492-CAB***B7H26
		2	R	1492-RIFM20FH-2	RTB20N	RTB20P	1492-CAB***B7H26

700S-TB2

Feed Through	Standard	1	F	1492-IFM20F	—	—	1492-CAB***A7S
		1	R	1492-RIFM20F	RTB20N	RTB20P	1492-CAB***A7S
	Standard Reduced Height	1	F	1492-IFM20FH	—	—	1492-CAB***A7S26
		1		1492-RIFM20FH	RTB20N	RTB20P	1492-CAB***A7S26
	Narrow	1	F	1492-IFM20FN	—	—	1492-CAB***A7S

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Wiring System Type	Description	Terminals per Channel	Fixed or Removable Terminals	Wiring System Module Catalog	RTB Required ⁽¹⁾		Cable Cat. No. ⁽²⁾
					Screw	Push-in	
<i>20C-DA1-A</i>							
Feed Through	6 Channel Isolated	3 ... 4	F	1492-AIFM6S-3	—	—	1492-CAB***Z7H
<i>20C-DA1-B</i>							
Feed Through	6 Channel Isolated	3 ... 4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-CAB***Z7H
<i>700S-TB1 (Pins 1...12)</i>							
Feed Through	6 Channel Isolated	3 ... 4	F	1492-AIFM6S-3	—	—	1492-CAB***Z7S
		3 ... 4	R	1492-RAIFM6S-3	RTB12N	RTB12P	1492-CAB***Z7S
<i>700S-TB1 (Pins 13...24)</i>							
Feed Through	2 Channel Counter, Input, 4 Output	4	F	1492-AIFMCE4	—	—	1492-CAB***X7S
	2 Channel Fused Counter, 4 Fused Output	4	F	1492-AIFMCE4-F	—	—	1492-CAB***X7S

(1) If a removable terminal block version is selected, the terminal plugs must be ordered separately (two plugs per catalog number). Plugs are available in screw style and push-in style terminal types. To order add 1492- in front of the code listed above. Example: 1492-RTB20P.

(2) To order a Pre-wired Cable, add the appropriate length code to the *** shown in the Cable Cat. No., 0.5 m cable = 005, 1.0 m cable = 010, 2.5 m cable = 025, 5.0 m cable = 050. Custom lengths are available.

Digital Interface Modules (IFMs)

IMPORTANT The following analog cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers.

1492 - IFM 20 F120 2
 a b c d

a		b		c		d	
Modules		Digital Cable Connector Size		Module Type (all types do not configure a catalog number)		Number of Field Side Wiring Terminals	
Code	Description	Code	Description	Code	Description	Code	Description
IFM	Digital Interface Modules with Fixed Terminal Block	20	20 Pins	A	Input Module	Blank	One per I/O connection (Standard Terminals)
RIFM	Digital Interface Modules with Removable Terminal Block	40	40 Pins	F	Feedthrough	2	Two per I/O connection (Extra Terminals)
TIFM	Digital Interface Modules for SIL2 (Safety Integrity Level 2)			F24	Fused 24 Volt	3	Three per I/O connection (Sensor Terminals)
				F120	Fused 120 Volt	4	Four per I/O connection (Special Terminal)
				FS	Fused Isolated		
				D	LEDs		
				N	Narrow		
				24	240 Volt		
				120	120 Volt		
				240	240 Volt		

Digital Interface Modules (XIMs) Relay

IMPORTANT The following analog cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers.

1492 - XIM 20 24 16RF
 a b c d

a		b		c		d	
Modules		No. Cable Connector Pins		Module Type (all types do not configure a catalog number)		No. Cable Connector Pins	
Code	Description	Code	Description	Code	Description	Code	Description
XIM	Relay Interface Module with Fixed Terminal Block	20	20 Pins	F	24V relay coil	2	2 terminals per point
RXIM	Relay Interface Module with Removable Terminal Block	40	40 Pins	F-F24	50 x 20 mm fuse holders with 24V blown fuse indication	8R	8 relays
XIMTR	Mechanical High Density Relay Interface Module with Fixed Terminal Block	Blank	Expander module	F-F120	50 x 20 mm fuse holders with 120V blown fuse indication D	16R	16 relays
RXITRM	Mechanical High Density Relay Interface Module with Removable Terminal Block			24	24V relay coil	16RF	16 fused relays
XIMTS	Solid-State High Density Relay Interface Module with Fixed Terminal Block			120	120V relay coil	32R	32 relays
RXIMTS	Solid-State High Density Relay Interface Module with Removable Terminal Block						

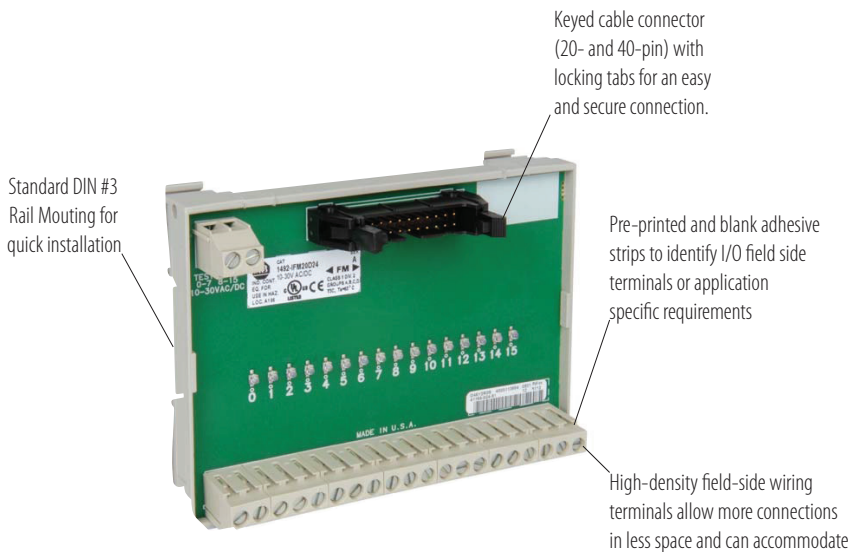
d	
Number of Fields Side Wiring Terminals	
Blank	One per I/O connection (Standard Terminals)
2	Two per I/O connection (Extra Terminals)
3	Three per I/O connection (Sensor Terminals)
4	Four per I/O connection (Special Terminal)

Digital IFM Selection

Catalog Number	Page	Catalog Number	Page	Catalog Number	Page
1492-IFM20F	212	1492-IFM40F	228	1492-XIM2024-8R	251
1492-RIFM20F	212	1492-RIFM40F	228	1492-XIM20120-8R	252
1492-IFM20FH	212	1492-IFM40FH	228	1492-XIM2024-16R	253
1492-RIFM20FH	212	1492-RIFM40FH	228	1492-XIM2024-16RF	254
1492-IFM20FN	213	1492-IFM40F-2	229	1492-XIM20120-16R	255
1492-RIFM20FN	213	1492-RIFM40F-2	229	1492-XIM20120-16RF	256
1492-IFM20FNH	213	1492-IFM40FH-2	229	1492-XIM4024-8R	257
1492-RIFM20FNH	213	1492-RIFM40FH-2	229	1492-XIM4024-16R	258
1492-IFM20F-2	213	1492-IFM40D24	230	1492-RXIM4024-16R	258
1492-RIFM20F-2	213	1492-RIFM40D24	230	1492-XIM4024-16RF	259
1492-IFM20FH-2	213	1492-IFM40F-3	230	1492-XIM24-8R	260
1492-RIFM20FH-2	213	1492-IFM40D24-2	231	1492-RXIM24-8R	260
1492-IFM20F-3	214	1492-IFM40D24A-2	232	1492-XIM120-8R	260
1492-IFM20D24	214	1492-RIFM40D24A-2	232	1492-XIM24-16RF	261
1492-IFM20D24N	215	1492-IFM40D120-2	233	1492-XIMF-F24-2	262
1492-IFM20D120	215	1492-IFM40D120A-2	234	1492-XIMF-F120-2	262
1492-IFM20D120N	216	1492-IFM40D24-3	235	1492-XIMF-2	263
1492-IFM20D24-2	216	1492-IFM40DS24-4	236	1492-XIMTR2024-16R	264
1492-IFM20D24A-2	217	1492-IFM40DS24A-4	237	1492-RXIMTR2024-16R	264
1492-IFM20D120-2	217	1492-IFM40DS120-4	237	1492-XIMTR4024-32R	265
1492-IFM20D120A-2	218	1492-IFM40DS120A-4	238	1492-RXIMTR4024-32R	265
1492-IFM20D240-2	218	1492-IFM40DS240A-4	238	1492-XIMTS2024-16R	266
1492-IFM20D240A-2	219	1492-IFM40F-F-2	239	1492-RXIMTS2024-16R	266
1492-IFM20D24-3	219	1492-IFM40F-F24-2	239	1492-XIMTS4024-32R	267
1492-IFM20DS24-4	220	1492-RIFM40F-F24-2	239	1492-RXIMTS4024-32R	267
1492-IFM20DS120-4	220	1492-IFM40F-F24D-2	240		
1492-IFM20F-F-2	221	1492-IFM40F-F24AD-4	241		
1492-RIFM20F-F-2	221	1492-IFM40F-F120-2	242		
1492-IFM20F-F24-2	221	1492-IFM40F-FS-2	242		
1492-RIFM20F-F24-2	221	1492-IFM40F-FS24-2	243		
1492-IFM20F-F24A-2	222	1492-IFM40F-FS24-4	243		
1492-RIFM20F-F24A-2	222	1492-IFM40F-FS-4	244		
1492-IFM20F-F120-2	222	1492-IFM40F-FS120-2	244		
1492-RIFM20F-F120-2	222	1492-RIFM40F-FS120-2	244		
1492-IFM20F-F120A-2	223	1492-IFM40F-FS120-4	245		
1492-RIFM20F-F120A-2	223	1492-RIFM40F-FS120-4	245		
1492-IFM20F-F240-2	223	1492-IFM40F-FS240-4	246		
1492-IFM20F-FS-2	224	1492-IFM40F-FS24A-4	247		
1492-IFM20F-FS24-2	224	1492-IFM40F-FSA-4	247		
1492-IFM20F-FS24A-4	225	1492-IFM40F-FS120A-4	248		
1492-IFM20F-FS120-2	225	1492-RIFM40F-FS120A-4	248		
1492-IFM20F-FS120-4	226	1492-IFM40F-FS240A-4	248		
1492-IFM20F-FS120A-4	227	1492-TIFM40F-24-2	249		
1492-IFM20F-FS240-4	228	1492-TIFM40F-F24A-2	250		

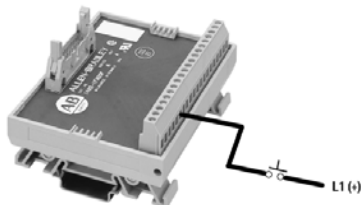
Digital IFM Options and Features

Digital IFMs, similar to groups of terminal blocks, are available with either 20-pin (typically 8 to 16 PLC I/O points) or 40-pin (typically 16 to 32 PLC I/O points) cable connectors. The number of field-side wiring terminals varies with the type of module – from one to three terminals per I/O point. Status indicators, fuse clips, and relays are available on-board the IFMs to customize your wiring system to your application and provide assistance with troubleshooting your control panel. The IFMs are compatible with both the pre-wired cables and the IFM-ready cables.



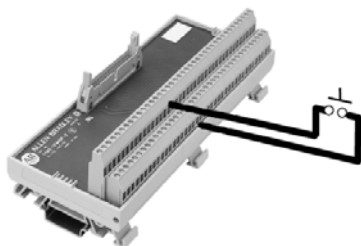
Digital IFM Options and Features

Standard Terminal Modules



- 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
- Ideal for applications in which the I/O device commons are terminated in the field or remotely from the I/O module panel

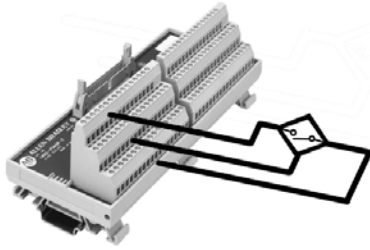
Extra Terminal Modules



- Extra terminal modules provide **two or four** field-side terminals per input or output point.
- IFMs which are **not** point-to-point isolated have two terminals per input or output point.
- Point-to-point isolated IFMs have two or four terminals per input or output point.
- Non-isolated IFMs have the lower row of extra terminals commoned together in groups of 10⁽¹⁾ to serve as a power bus for the field device commons.
- 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 modules are beneficial in applications in which the I/O devices are terminated within the same panel as the I/O modules – eliminating the need for many additional terminal blocks.
- These modules are also available with optional field-side status LEDs for troubleshooting inputs and outputs.

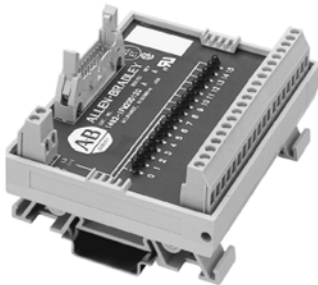
Digital IFM Options and Features

Sensor Modules



- Sensor modules provide **three** field-side terminals per input point
- The middle and lower rows of terminals, commoned together in groups of 18, serve as power busses for 3-wire sensor types of devices – eliminating additional terminal blocks and jumpering systems
- The sensor modules provide a compact method of terminating and powering 24V AC/DC or 120V AC (Catalog Number IFM20F-3 only) 3-wire devices

LED Module



- Voltage-indicating LEDs are available on the 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 field device/wiring
- The LED modules have unique circuitry that allows compatibility with sinking or sourcing input or output modules

Fusible Module

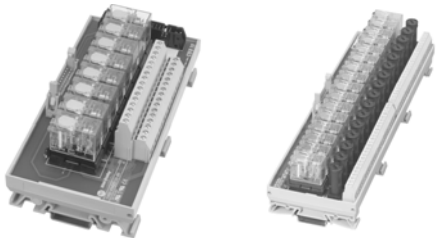


- Fusible modules provide a convenient method of adding overcurrent protection into your programmable controller field wiring
- These modules have 5 x 20 mm fuse clips onboard and are available with and without blown fuse indication
- The 24V or 120V blown fuse indicators reduce the troubleshooting time to locate and replace a blown fuse on the IFM
- The fusible modules have an easy-to-remove see-through acrylic cover to help 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).
- The fusible modules also have two or four terminals per I/O point to create a power bus for input or output load connections
- Fusible modules are available in both isolated and non-isolated versions. There are a select number of fusible IFMs available for input modules

(1) Except Catalog Numbers 1492-IFM20D24A-2 and -IFM20D120A-2, which are in groups of 20.

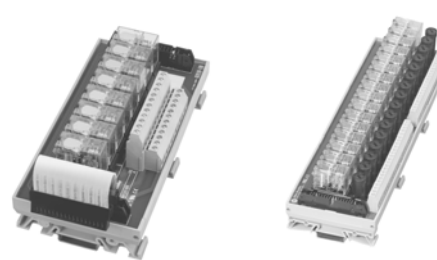
Relay and Relay Expander IFM Options and Features

Relay Master



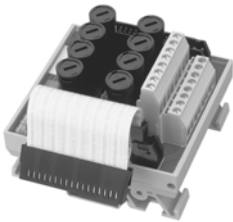
- Field-replaceable relays with 120V or 24V rated coils
- The field-side Form C contacts are rated 240V 10 A (de-rated to 12 A per adjacent pair on the XIM)
- The Form C relay output provides isolated output channels and a different voltage level from one output channel to the next
- Coil-side LED indicating the PLC output module status
- Transient suppression on each coil
- 16-point relay masters are available with or without 5 x 20 fuse holders so customers can fuse the output contacts

Relay Expanders



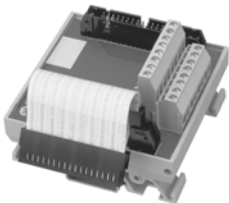
- Eight field-replaceable relays with 120V or 24V rated coils
- Field-side form C contacts are rated 240V 10 A (de-rated to 12 A per adjacent pair on the XIM)
- The form C relay output provides isolated output channels and a different voltage level from one output channel to the next
- Coil-side LED indicating the PLC output module status, and transient suppression on each coil
- A relay expander can have 5 x 20 fuse holders so customers can fuse the output contacts
- Expander cable is provided for connection to the mating module

Fusible Expanders



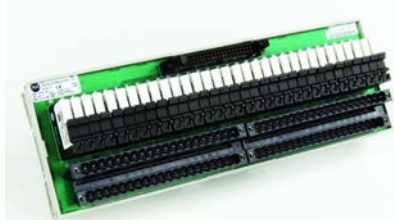
- Eight 5 x 20 mm finger-safe fuse holders
- Blown fuse indicators
- Extra terminals for landing two wires per field-side device
- They are offered with eight fuse holders for both 24V and 120V applications
- An expander cable is provided for connection to the mating module
- Fuses are not provided

Feed-Through Expander



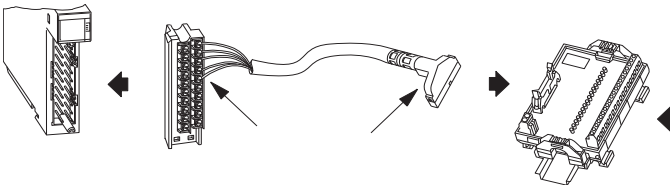
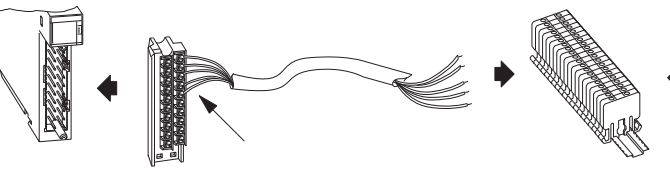
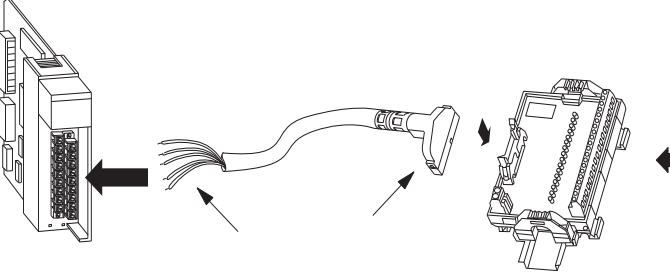
- Eight channels with extra terminals for landing two wires per field-side device
- An expander cable is provided for connection to the mating module

Slim Line Relays



- 50% reduction in width vs. existing relay modules using 700-HLT or 700-HLS Terminal Block Relays
- Available in 16pt or 32pt modules
- Eliminates the need for extender relay modules
- Electromechanical or Solid-state relays
- Status indicator lights
- Removable terminal blocks (optional) for field wiring

Digital IFM Cable Options

<p>Digital Pre-Wired Cables</p>  <p>Pre-Wired Cable and Interface Module</p>	<ul style="list-style-type: none">• Minimize control wiring in a panel by replacing the point-to-point wiring between Allen-Bradley programmable controller I/O modules and individual terminal blocks• Features a removable terminal block or wiring arm at the I/O end of the cable and a cable connector on the other end to connect to the IFM• Uses #22 AWG wire and are 100% tested for continuity to make a perfect connection every time• Four standard lengths of 0.5, 1.0, 2.5, and 5.0 m to fit a variety of applications• Custom Cable lengths are available
<p>I/O Module Ready Digital Cables</p>  <p>Digital I/O Module-Ready Cable and Standard Terminal Block</p>	<ul style="list-style-type: none">• I/O removable terminal block or wiring arm pre-wired to one end to the cable and free connectors on the other end for wiring into standard terminal blocks or other type of connectors• Individual color-coded conductors for quick wire-to-terminal coordination• Most I/O-ready cables use #18 AWG conductors for higher current applications or longer cable runs• Standard lengths of 1.0, 2.5, and 5.0 m to a variety of applications• Custom Cable lengths are available
<p>IFM Ready Cables</p>  <p>IFM-Ready Cable and Interface Module</p>	<ul style="list-style-type: none">• IFM-ready cables have a cable connector that attaches to the IFM pre-wired to one end and free connectors ready to wire to I/O modules or other components on the other end• Use #22 AWG wire and have individual color-coded conductors for quick wire-to-terminal coordination• Standard lengths of 1.0, 2.5, and 5.0 m fit a variety of applications• Custom Cable lengths are available

Digital IFMs

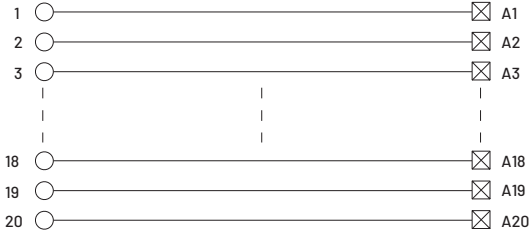
1492-IFM20F

1492-RIFM20F

1492-IFM20FH

1492-RIFM20FH

Feed-Through Standard 264V AC/DC Max.



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F	0...264V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.62 lb. (278 g.)	W4600630001 W4600634001
1492-RIFM20F				4.72 x 3.27 x 2.78						
1492-IFM20FH	0...132V AC/DC			4.72 x 2.78 x 2.78						
1492-RIFM20FH				5.11 x 2.78 x 2.78						

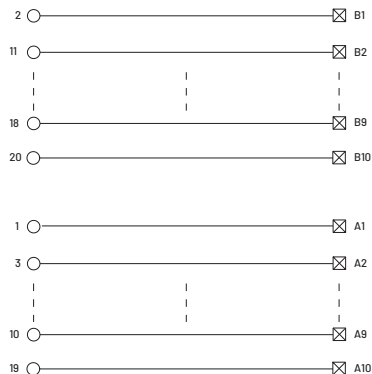
1492-IFM20FN

1492-RIFM20FN

1492-IFM20FNH

1492-RIFM20FNH

Feed-Through Narrow Standard 132V AC/DC Max.



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20FN	0...132V AC/DC	2 A	12 A	2.36 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.62 lb. (278 g.)	W4600630701 W4600633001 W4600634401
1492-RIFM20FN				2.75 x 3.27 x 2.78						
1492-IFM20FNH				2.36 x 3.27 x 2.78						
1492-RIFM20FNH				2.75 x 3.27 x 2.78						

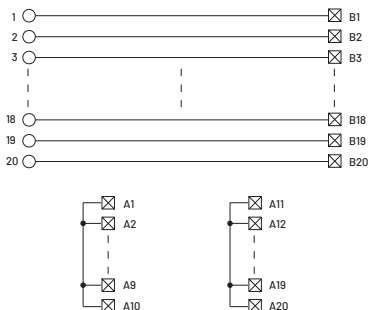
1492-IFM20F-2

1492-RIFM20F-2

1492-IFM20FH-2

1492-RIFM20FH-2

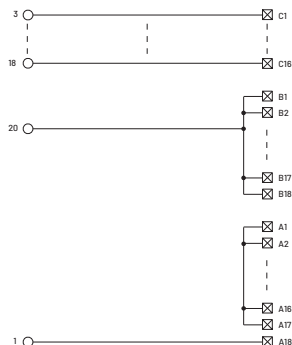
Feed-Through Extra Terminals (2 per I/O) 264V AC/DC Max.



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20F-2	0...264V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630201 W4600633101 W4600634201
1492-RIFM20F-2				4.72 x 3.27 x 2.78						
1492-IFM20FH-2	0...132V AC/DC			4.72 x 2.78 x 2.78						
1492-RIFM20FH-2				5.11 x 2.78 x 2.78						

1492-IFM20F-3

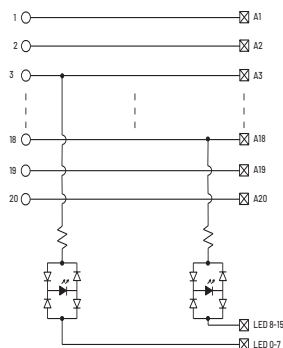
Feed-Through 3-Wire Sensor Type Input Devices 132V AC/DC Max



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20F-3	0...264V	2 A	12 A	4.33 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.77 lb.	W4600632001

1492-IFM20D24

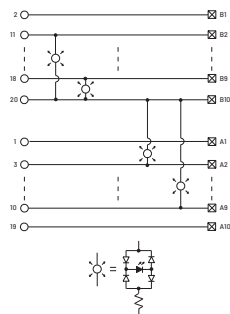
LED Indicating Standard with 24V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D24	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	20 mA	600 Vp	0...60 C	5...95%	0.62 lb. (278 g.)	W4600630001

1492-IFM20D24N

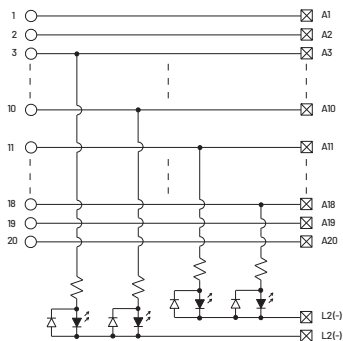
LED Indicating Narrow Standard with 24V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D24N	10...30V AC/DC	2 A	12 A	2.36 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	0.77 lb. (351 g.)	W4600630701 W4600634401 W4600633001

1492-IFM20D120

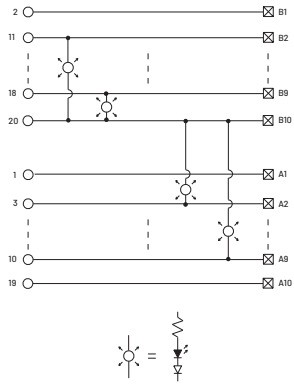
LED Indicating Standard with 120V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D120	85...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.62 lb. (278 g.)	W4600630001 W4600634001

1492-IFM20D120N

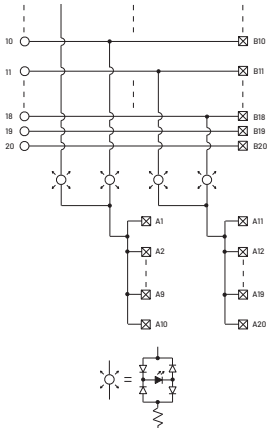
LED Indicating Standard with 120V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D120N	85...132V AC/DC	2 A	12 A	2.36 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630701 W4600634401 W4600633001

1492-IFM20D24-2

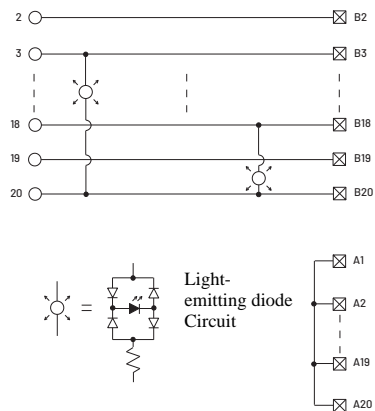
LED Indicating 24V AC/DC LEDs & Extra Terminals for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D24-2	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630201 W4600634201 W4600633101

1492-IFM20D24A-2

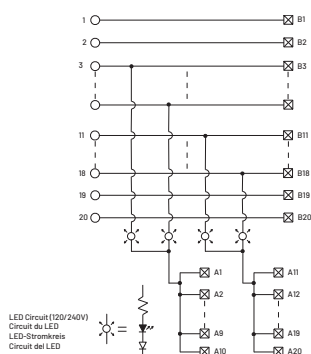
LED Indicating 24V AC/DC LEDs & Extra Terminals for Inputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D24A-2	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600632101

1492-IFM20D120-2

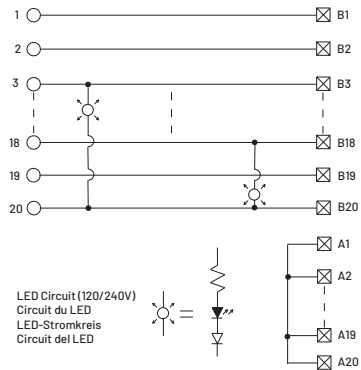
LED Indicating 120V AC LEDs & Extra Terminals for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D120-2	85...132V AC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630201 W4600634201 W4600633101

1492-IFM20D120A-2

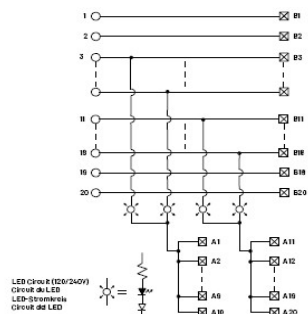
LED Indicating 120V AC LEDs & Extra Terminals for Inputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D120A-2	85...132V AC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600632101

1492-IFM20D240-2

LED Indicating 240V AC LEDs & Extra Terminals for Outputs

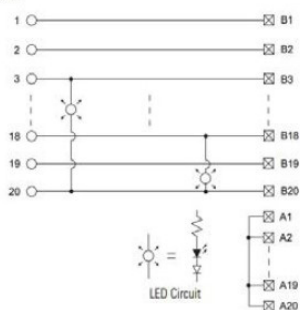


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D240-2	168...264V AC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630201 W4600634201 W4600633101

1492-IFM20D240A-2

LED Indicating Standard with 240 AC/DC LEDs.

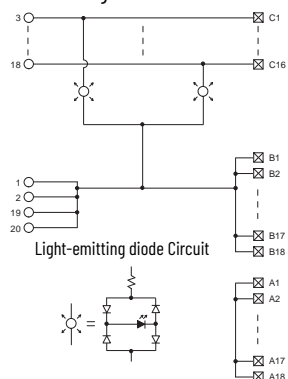
Pinout



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D240A-2	168...264V AC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	0.67 lb. (305 g.)	W4600630201 W4600634201 W4600633101

1492-IFM20D24-3

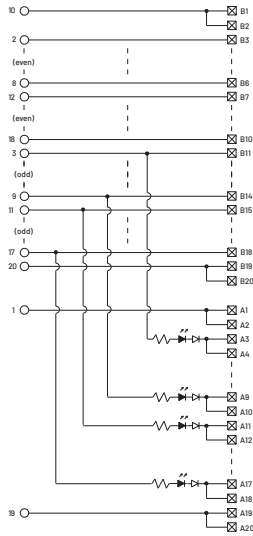
LED Indicating 3-Wire Sensor with 24V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20D24-3	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	0.77 lb. (371 g.)	W4600630301 W4600634301

1492-IFM20DS24-4

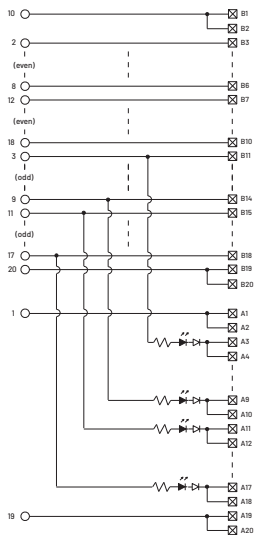
LED Indicating 8 Individually Isolated with 24/48V AC/DC LEDs & 4 Terminals/
Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20DS24-4	10...60V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	<2.0 mA	600 Vp	0...60 C	5...95%	0.65 lb. (299 g.)	W4600631901

1492-IFM20DS120-4

LED Indicating 8 Individually Isolated with 120V AC V AC/DC LEDs & 4 Terminals/
Output

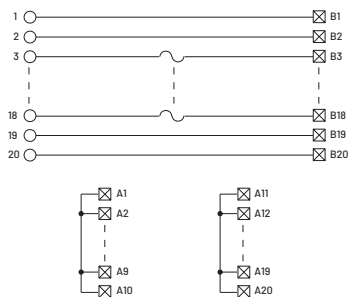


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20DS120-4	85...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	<2.6 mA	600 Vp	0...60 C	5...95%	0.65 lb. (299 g.)	W4600631901

1492-IFM20F-F-2

1492-RIFM20F-F-2

Fusible Extra Terminals for Outputs

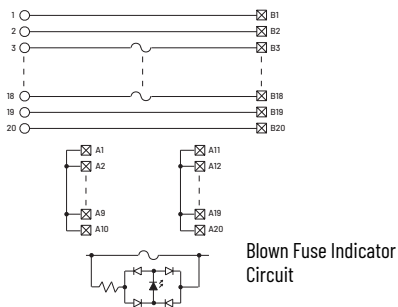


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20F-F-2	0...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.76 lb. (344 g.)	W4600630201
1492-RIFM20F-F-2				4.72 x 3.27 x 2.78						W4600633101

1492-IFM20F-F24-2

1492-RIFM20F-F24-2

Fusible Extra Terminals with 24V AC/DC Blown Fuse Indicators

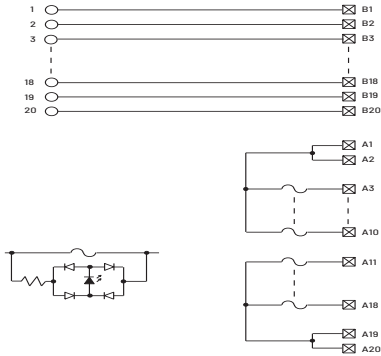


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20F-F24-2	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	0.76 lb. (344 g.)	W4600630201
1492-RIFM20F-F24-2				4.72 x 3.27 x 2.78						W4600633101

1492-IFM20F-F24A-2

1492-RIFM20F-F24A-2

Fusible Extra Terminals with 24V AC/DC Blown Fuse Indicators

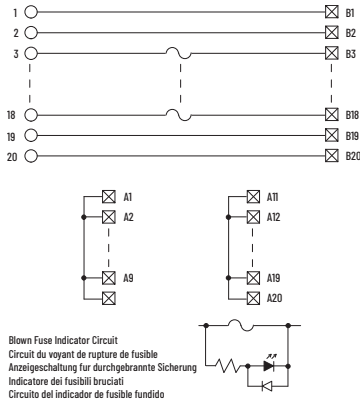


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Cat. No.
1492-IFM20F-F24A-2	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2.4 mA	600 Vp	0...60 C	5...95%	0.72 lb. (343 g.)	W4600629901
1492-RIFM20F-F24A-2				4.72 x 3.27 x 2.78						

1492-IFM20F-F120-2

1492-RIFM20F-F120-2

Fusible Extra Terminals with 120V AC/DC Blown Fuse Indicators

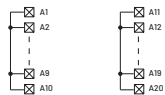
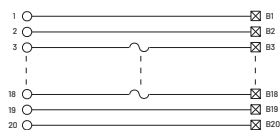


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)
1492-IFM20F-F120-2	85...132V AC	2 A	12 A	4.33 x 3.27 x 2.78	2.5 mA
1492-RIFM20F-F120-2					

1492-IFM20F-F120A-2

1492-RIFM20F-F120A-2

Fusible Extra Terminals with 120V AC/DC Blown Fuse Indicators



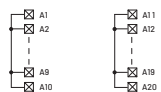
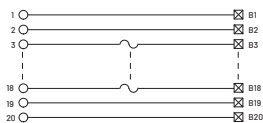
Blown Fuse Indicator Circuit



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-F120A-2	85...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	1.2 mA	600 Vp	0...60 C	5...95%	0.72 lb. (343 g.)	W4600632201 W4600629901
1492-RIFM20F-F120A-2				4.72 x 3.27 x 2.78						

1492-IFM20F-F240-2

Fusible Extra Terminals with 240V AC/DC Blown Fuse Indicators



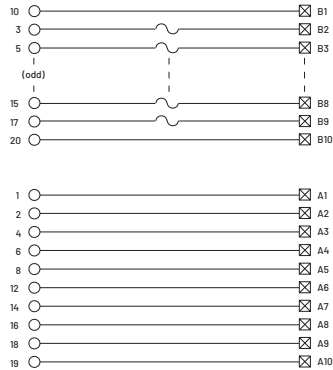
Blown Fuse Indicator Circuit



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-F240-2	168...264V AC/DC	0.5 A	4 A	4.72 x 3.27 x 2.78	<1.5 mA	600 Vp	0...60 C	5...95%	0.772 lb. (347 g.)	W4600630201 W4600633101 W4600634201

1492-IFM20F-FS-2

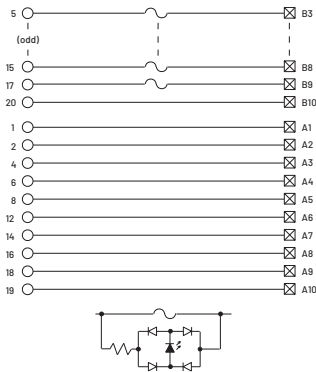
Fusible 8 Individually Isolated 120V AC/DC with Extra Terminals for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-FS-2	0...132V AC/DC	2 A	12 A	2.36 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	0.51 lb. (233 g.)	W4600631401

1492-IFM20F-FS24-2

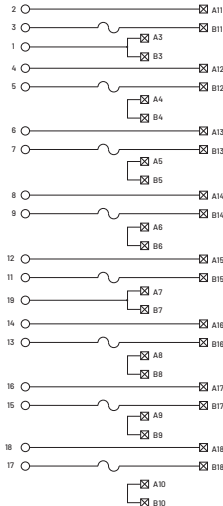
Fusible 8 Individually Isolated with Extra Terminals and 24V AC/DC Blown Fuse Indicators



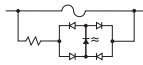
Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-FS24-2	10...30 AC/DC	2 A	12 A	2.36 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	0.51 lb. (233 g.)	W4600631401

1492-IFM20F-FS120-4

Fusible 8 Individually Isolated with 4 Terminals/Output and 120V AC/DC Blown Fuse LED Indicators



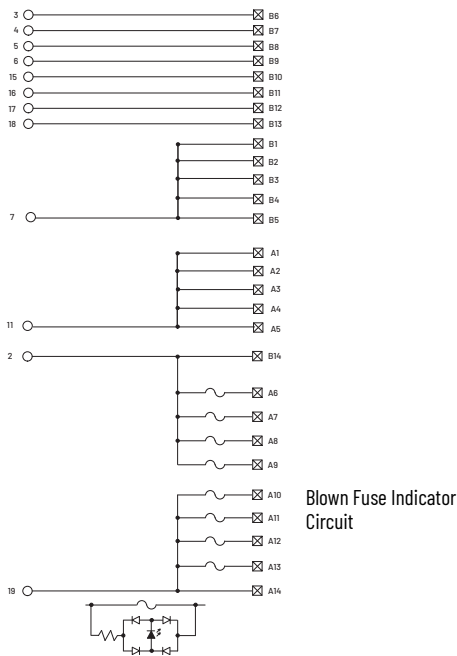
Blown Fuse Indicator Circuit



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-FS120-4	85...132V	2 A	12 A	7.09 x 3.27 x 2.78	1.5 mA	600 Vp	0...60 C	5...95%	1.18 lb.	W4600632301

1492-IFM20F-FS120A-4

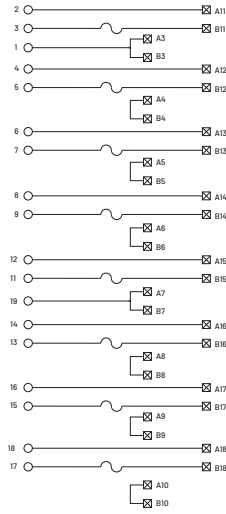
Fusible Two 4-Point Isolated Groups with 4 Terminals/Input and 120V AC/DC
Blown Fuse LED Indicators



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-FS120A-4	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.5 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632401

1492-IFM20F-FS240-4

Fusible 8 Individually Isolated with 4 Terminals/Output and 240V AC/DC Blown Fuse LED Indicators



Blown Fuse Indicator Circuit



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM20F-FS240-4	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.5 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632301

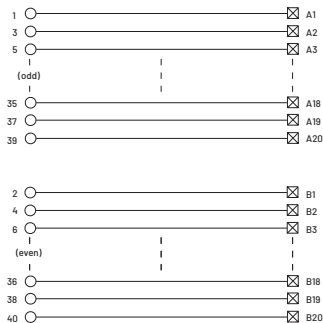
1492-IFM40F

1492-RIFM40F

1492-IFM40FH

1492-RIFM40FH

Feed-Through Standard 132V AC/DC



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	<1.4 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600630101 W4600634101 W4600634901
1492-RIFM40F										
1492-IFM40FH										
1492-RIFM40FH										

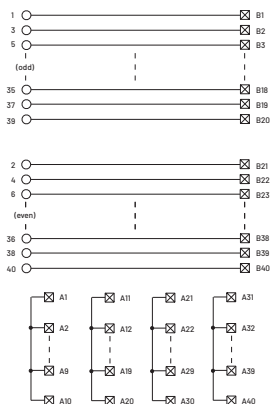
1492-IFM40F-2

1492-RIFM40F-2

1492-IFM40FH-2

1492-RIFM40FH-2

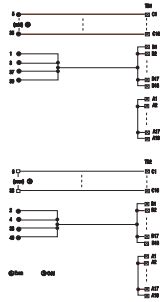
Feed-Through Extra Terminals (2 per I/O) 132V AC/DC



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-2	0...132V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78	NA	600 Vp	0...60 C	5...95%	1.15 lb. (522 g.)	W4600633401 W4600633501 W4600633601 W4600634701 W4600635001
1492-RIFM40F-2				8.66 x 3.27 x 2.78						
1492-IFM40FH-2				9.05 x 2.78 x 2.78						
1492-RIFM40FH-2				9.44 x 2.78 x 2.78						

1492-IFM40F-3

Feed-Through 3-Wire Sensor Type Input Devices 60V AC/DC

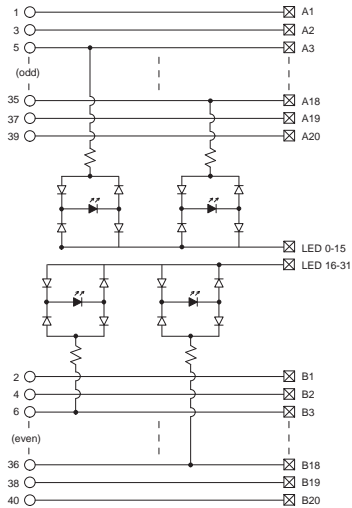


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-3	0...60V AC/DC	2 A	12 A	8.27 x 3.27 X 2.78 in.	1.5 mA	600 Vp	0...60 C	5...95%	1.2 lb. (560 g)	W4600630301 W4600634301

1492-IFM40D24

1492-RIFM40D24

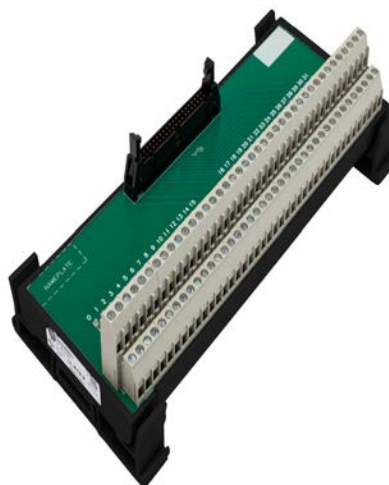
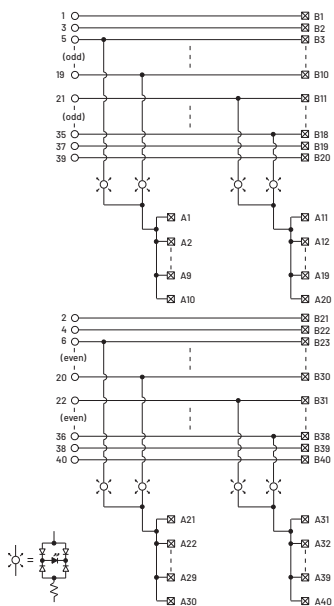
LED Indicating Standard with 24V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat.No.
1492-IFM40D24	10...30V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	0.62 lb. (278 g.)	W4600630101
1492-RIFM40D24				4.72 x 3.27 x 2.78						W4600634101 W4600634901

1492-IFM40D24-2

LED Indicating 24V AC/DC LEDs and Extra Terminals for Outputs

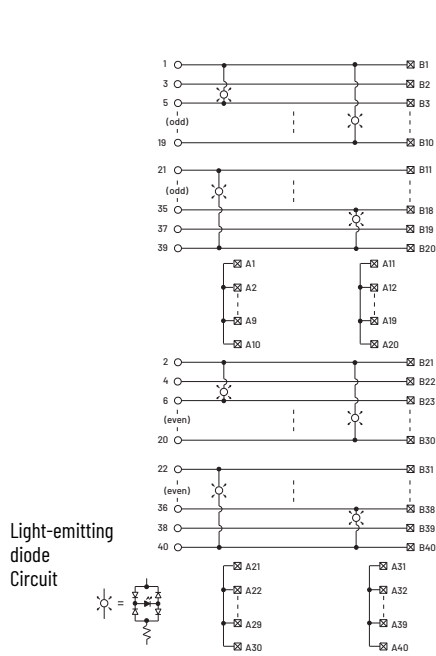


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat.No.
1492-IFM40D24-2	10...30V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.15 lb. (522 g.)	W4600630401 W4600630501

1492-IFM40D24A-2

1492-RIFM40D24A-2

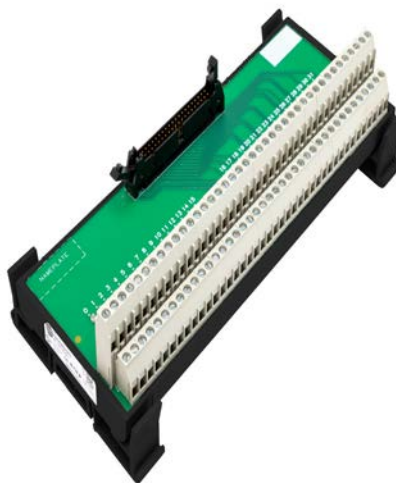
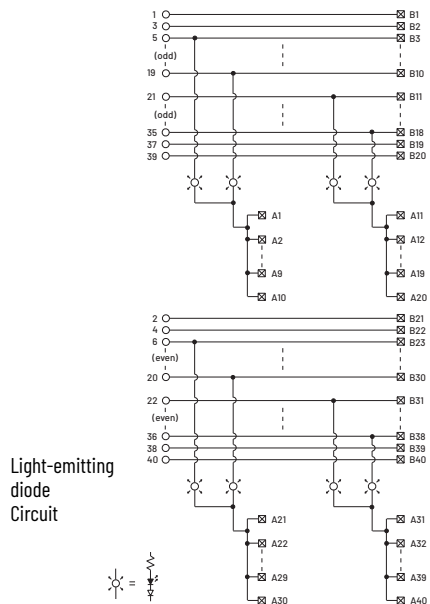
LED Indicating 24V AC/DC LEDs and Extra Terminals for Input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40D24-2	10...30V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78	2.0 mA	600 Vp	0...60 C	5...95%	1.15 lb. (522 g.)	W4600633401
1492-RIFM40D24-2										W4600633501
										W4600634601
										W4600634701

1492-IFM40D120-2

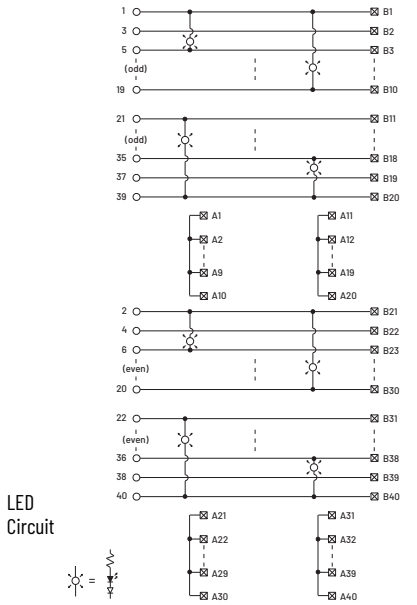
LED Indicating 120V AC LEDs and Extra Terminals for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) in. (mm)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40D120-2	10...30V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78 (210 x 83 x 70.5)	2 mA	600 Vp	0...60 C	5...95%	1.15 lb. (522 g.)	W4600630401 W4600630501

1492-IFM40D120A-2

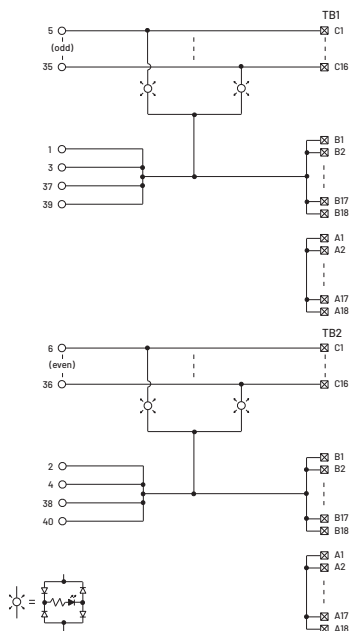
LED Indicating 120V AC LEDs and Extra Terminals for Inputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40D120A-2	85...132V AC	2 A	12 A	8.27 x 3.27 x 2.78 (210 x 83 x 70.5)	2.5 mA	600 Vp	0...60 C	5...95%	1.15 lb. (522 g.)	W4600630401 W4600630501

1492-IFM40D24-3

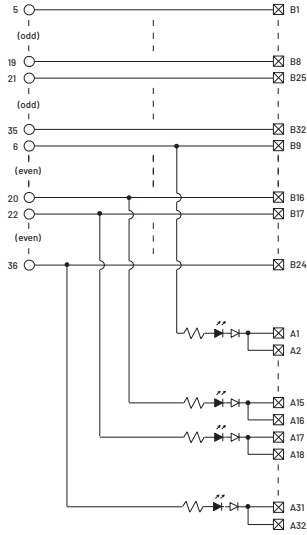
LED Indicating 3-Wire Sensor with 24V AC/DC LEDs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) in. (mm)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40D24-3	10...30V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78 (210 x 83 x 70.5)	2 mA	600 Vp	0...60 C	5...95%	1.2 lb. 560 g.	W4600630301 W4600634301

1492-IFM40DS24-4

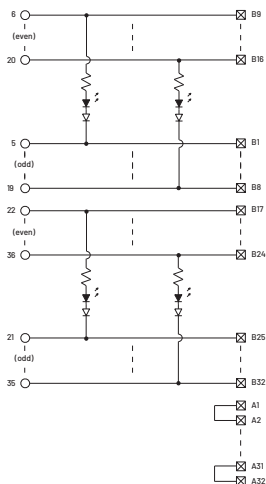
LED Indicating 16 Individually Isolated with 24/48V AC/DC LEDs and 4 Terminals/
Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) in. (mm)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40DS24-4	10...60 V AC	2 A	12 A	6.69 x 3.27 x 2.78 (170 x 83 x 70.5)	< 4.1 mA	600 Vp	0...60 C	5...95%	1.15 lb. 525 g	W4600631801

1492-IFM40DS24A-4

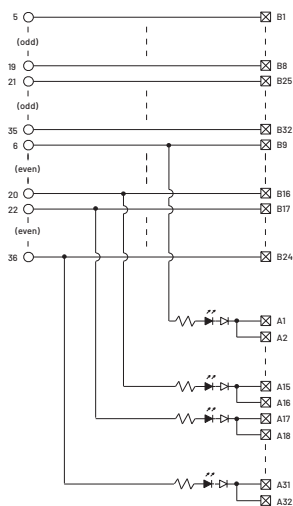
LED Indicating 16 Individually Isolated with 24V AC/DC LEDs and 4 Terminals/ Input



Cat. No.	Voltage Range	Max. Current (Per)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40DS24A-4	10...30V AC/DC	2 A	12 A	6.69 x 3.27 x 2.78 (170 x 83 x 70.5)	4.1 mA	600 Vp	0...60 C	5...95%	0.95 lb. 433 g	W4600631801

1492-IFM40DS120-4

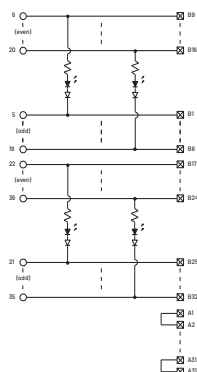
LED Indicating 16 Individually Isolated with 120V AC and 4 Terminals/Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40DS120-4	85...132V AC	2 A	12 A	6.69 x 3.27 x 2.78 (170 x 83 x 70.5)	2.6 mA	600 Vp	0...60 C	5...95%	1.15 lb. 525 g.	W4600631801

1492-IFM40DS120A-4

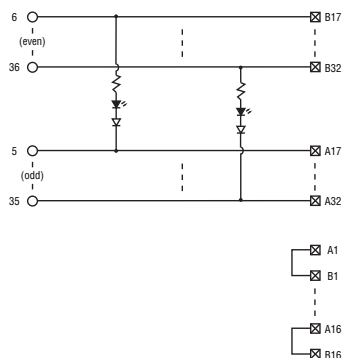
LED Indicating 16 Individually Isolated with 120V AC LEDs and 4 Terminals/Input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40DS120A-4	85...132V AC	2 A	12 A	6.69 x 3.27 x 2.78 (170 x 83 x 70.5)	2.6 mA	600 Vp	0...60 C	5...95%	1.15 lb. 525 g.	W4600631801

1492-IFM40DS240A-4

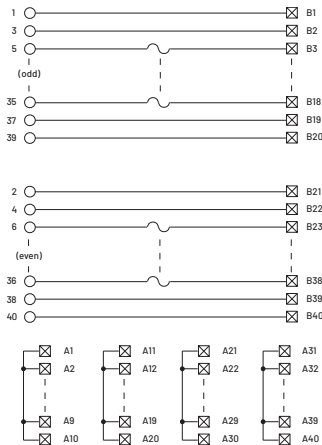
LED Indicating 16 Individually Isolated with 240V AC LEDs and 4 Terminals/Input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40DS240A-4	204...264V AC	2 A	12 A	6.69 x 3.27 x 2.78 (170 x 83 x 70.5)	2.6 mA	600 Vp	0...60 C	5...95%	0.94 lb. 422 g.	W4600631801

1492-IFM40F-F-2

Fusible 120V AC/DC with Extra Terminals for Outputs

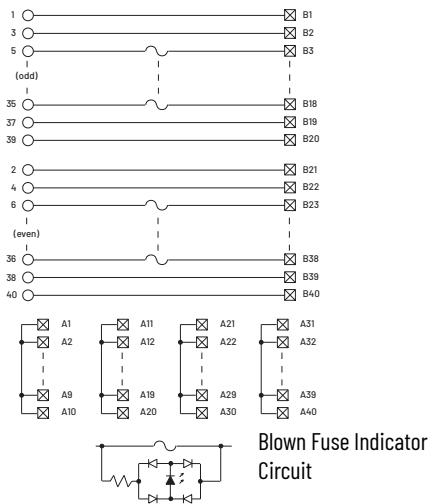


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-F-2	0...132V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78 (210 x 83 x 70.5)	—	600 Vp	0...60 C	5...95%	1.1 lb. (520 g.)	W4600630401 W4600630501

1492-IFM40F-F24-2

1492-RIFM40F-F24-2

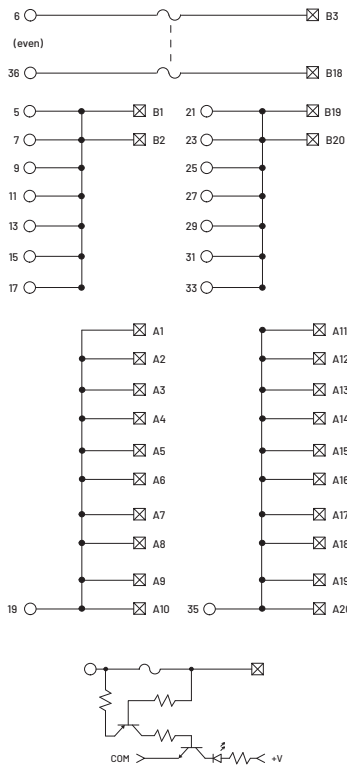
Fusible Extra Terminals with 24V AC/DC Blown Fuse LED Indicators for Outputs



Cat. No.	Voltage Range	Max. Current (Per	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-F24-2	10...30V AC/DC	2 A	12 A	8.27 x 3.27 x 2.74 (170 x 83 x 70.5)	2.0mA	600 Vp	0...60 C	5...95%	1.1 lb. (520 g.)	W4600633401 W4600633501 W4600634601 W4600634701 W4600635001
1492-RIFM40F-F24-2				8.66 x 3.27 x 2.74 (220 x 83 x 70.5)						

1492-IFM40F-F24D-2

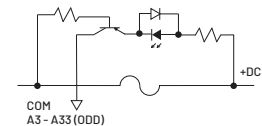
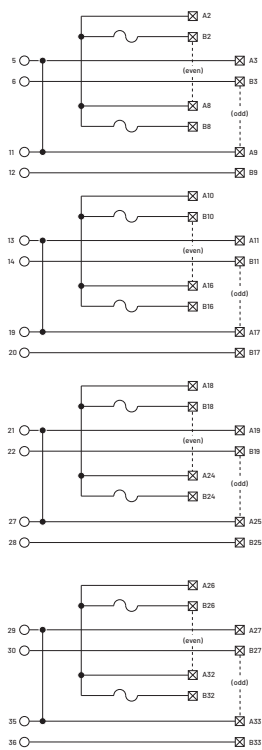
16 Individually fused with 24V DC blown fuse low leakage (0.05 mA) LED circuit, 4 isolated groups, 2 terminals/output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-F24D-2	10...30V DC	2 A	8 A	4.72 x 3.27 x 2.78	<0.05 mA	600 Vp	0...60 C	5...95%	76 lb. (346 g.)	W4600631101

1492-IFM40F-F24AD-4

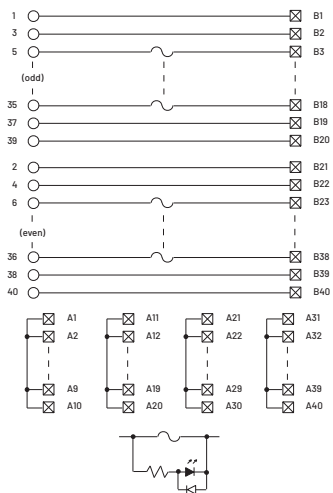
Individually Fused w/24V DC blown fuse low leakage (0.05 mA) LED circuit, 4 isolated groups, 4 terminals/input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat.
1492-IFM40F-F24AD-4	10...30V DC	2 A	8 A	4.72 x 3.27 x 2.78	<0.05 mA	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600631601

1492-IFM40F-F120-2

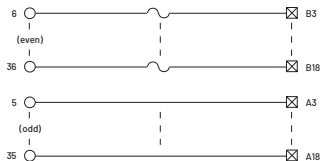
Fusible Extra Terminals with 120V AC/DC Blown Fuse LED Indicators for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-F120-2	85...132V AC/DC	2 A	12 A	8.27 x 3.27 x 2.78	2.5 mA	600 Vp	0...60 C	5...95%	1.1 lb. (520 g.)	W4600630401 W4600630501

1492-IFM40F-FS-2

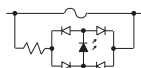
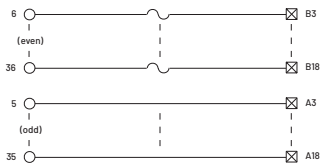
Fusible 16 Individually Isolated with Extra Terminals for 120V AC/DC Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS-2	0...132V AC/DC	2 A	12 A	4.72 x 3.27 x 2.78	—	600 Vp	0...60 C	5...95%	76 lb. (346 g.)	W4600631101

1492-IFM40F-FS24-2

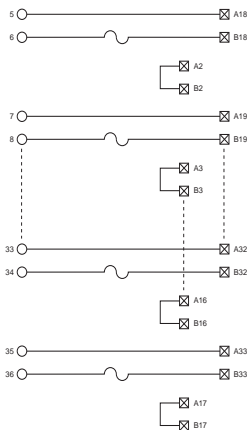
Fusible 16 Individually Isolated with Extra Terminals and 24V AC/DC Blown Fuse LED Indicators for Outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS24-2	10...30V AC	2 A	12 A	4.72 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	.76 lb. (346 g.)	W4600631101

1492-IFM40F-FS24-4

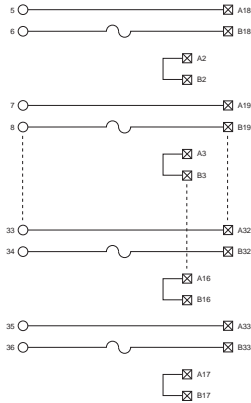
Fusible Individually Isolated with 24V AC/DC Blown Fuse Indicators and 4 Terminals/Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS24-4	10...30V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	2.4 mA	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600631701

1492-IFM40F-FS-4

Fusible 16 Individually Isolated 240V AC/DC with 4 Terminals/Output

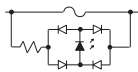
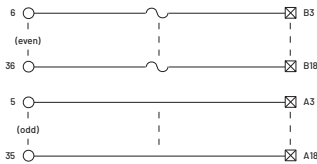


Cat. No.	Voltage Range	Max. Current (Per)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS-4	0...264V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	—	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600631701

1492-IFM40F-FS120-2

1492-RIFM40F-FS120-2

Fusible 16 Individually Isolated with Extra Terminals and 120V AC/DC Blown Fuse LED Indicators for Outputs

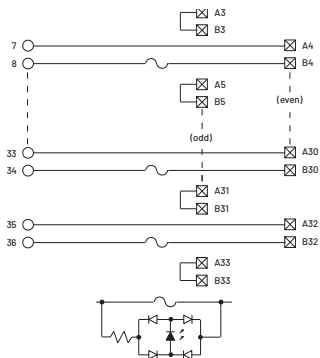


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS120-2	85...132V AC/DC	2 A	12 A	4.72 x 3.27 x 2.78	2.5	600 Vp	0...60 C	5...95%	76 lb. (346 g.)	W4600631101
1492-RIFM40F-FS120-2				5.11 x 3.27 x 2.78						

1492-IFM40F-FS120-4

1492-RIFM40F-FS120-4

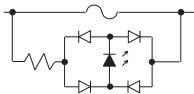
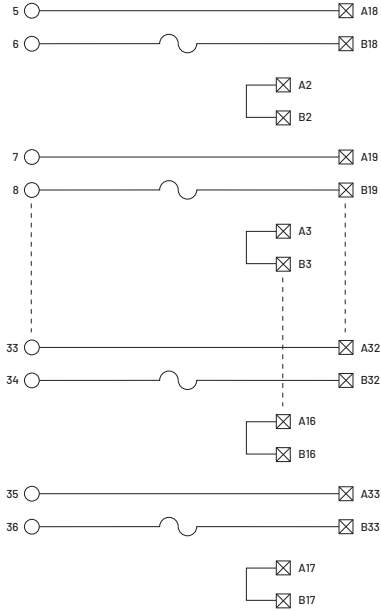
Fusible 16 Individually Isolated with 120V AC/DC Blown Fuse LED Indicators & 4 Terminals/Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS120-4	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	—	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600633601
1492-RIFM40F-FS120-4				7.48 x 3.27 x 2.78						

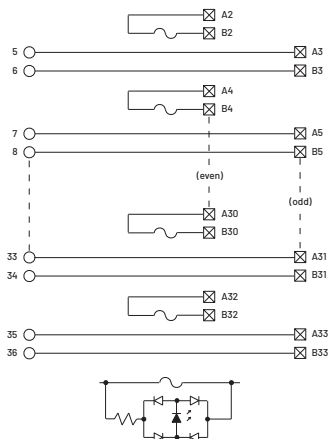
1492-IFM40F-FS240-4

Fusible 16 Individually Isolated with 240V AC/DC Blown Fuse LED Indicators & 4 Terminals/Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS240-4	85...30V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.4 mA	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600631701

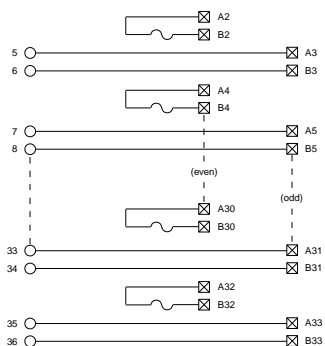
1492-IFM40F-FS24A-4



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS24A-4	10...30V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	3.1 mA	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600633601

1492-IFM40F-FSA-4

Fusible 16 Individually Isolated 120V AC/DC 4 Terminals/Input

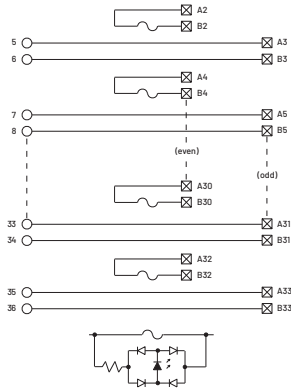


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FSA-4	0...312V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	—	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600633601

1492-IFM40F-FS120A-4

1492-RIFM40F-FS120A-4

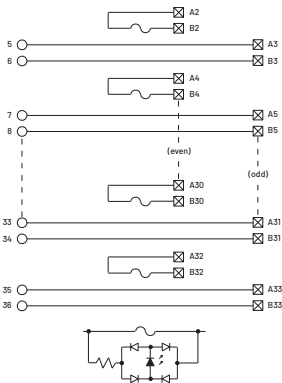
Fusible 16 Individually Isolated with 120V AC/DC Blown Fuse LED Indicators & 4 Terminals/Input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS120A-4	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.4 mA	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600633601
1492-RIFM40F-FS120A-4				7.48 x 3.27 x 2.78						

1492-IFM40F-FS240A-4

Fusible 16 Individually Isolated with 240V AC/DC Blown Fuse LED Indicators and 4 Terminals/Input



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-IFM40F-FS240A-4	159...265V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.4 mA	600 Vp	0...60 C	5...95%	1.07 lb. (485 g.)	W4600633601

1492-TIFM40F-24-2

Terminal Module for use in SIL 2 Safety Shutdown Applications with Two 1756-OB16D DC Output Modules

The 1492-TIFM40F-24-2 termination board is designed specifically for use in a ControlLogix SIL2 safety shutdown application using two 1756-OB16D DC output modules.

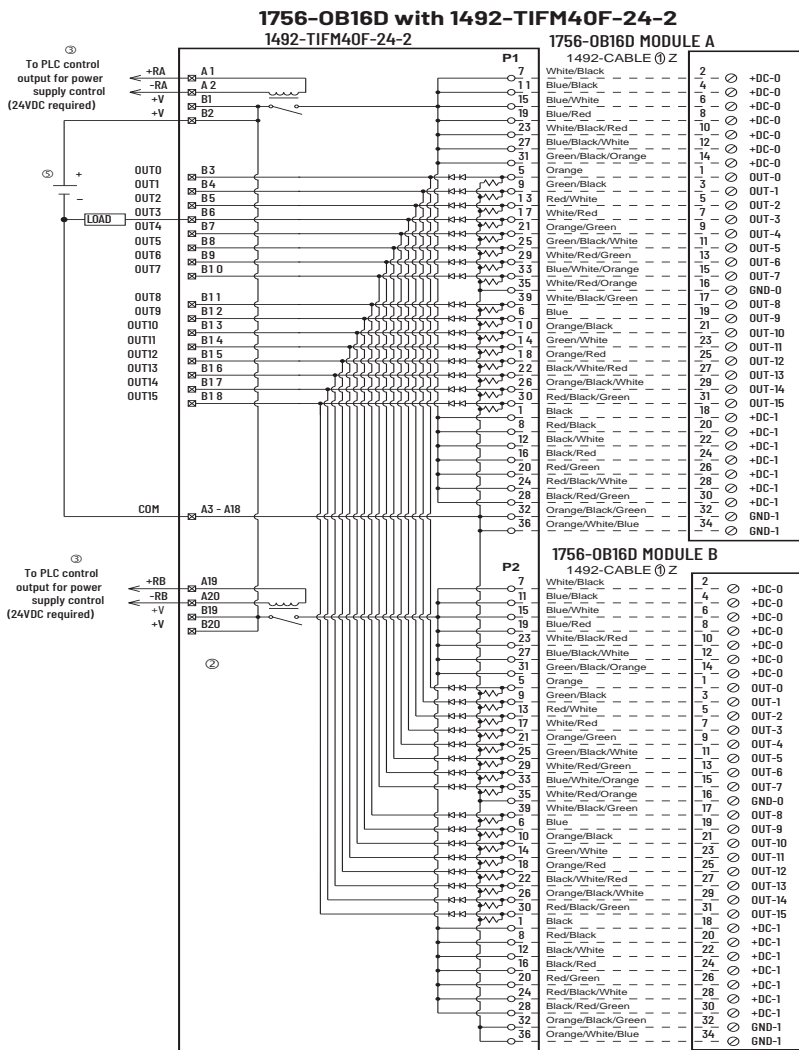
See publication [1756-RM001](#) for details on using ControlLogix in SIL2 applications.

Using this module in a non SIL2 Application with 1756-OB16D modules is at the discretion of the user.

1. Cables are available in 0.5 m, 1.0 m, 2.5 m, and 5.0 m standard lengths (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, 050 = 5.0 m). Custom length cables are also available.
2. Terminals starting with A are the lower row of terminals, B terminals are the upper row.
3. Use of separate 24V DC PLC outputs are required to control the power interruption relays. See Publication [1492-INT14-MU-P](#) or details on relay specifications.

Note: there are two relays to remove power from the individual I/O cards separately. Energize the relays to supply power to the output cards.

4. With this module and cable combination, maximum IFM ratings are as follow: 1.5 A / Circuit 6.0 A / Module.
5. The use of one power source is required for this module combination.



③ Use of one power source is required for this module combination.
 Cette combinaison de modules doit être reliée à une source d'alimentation dédiée.
 Für diese Modulkombination muss eine Stromquelle verwendet werden.
 Questa combinazione di modulo richiede l'uso di una sorgente di alimentazione.
 Se requiere el uso de una fuente de alimentación para esta combinación de módulo.

Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-TIFM40F-24-2	19.2...30V AC	1.5 A	6 A	8.66 x 3.27 x 2.78	Not Applicable	100 V _p	0...60 °C	5...95%	1.1 lb. (499 g)	W4600633701

1492-TIFM40F-F24A-2

Fused Termination Module for use in a SIL2 Safety Shutdown Applications with Two 1756-IB32 DC Input Modules

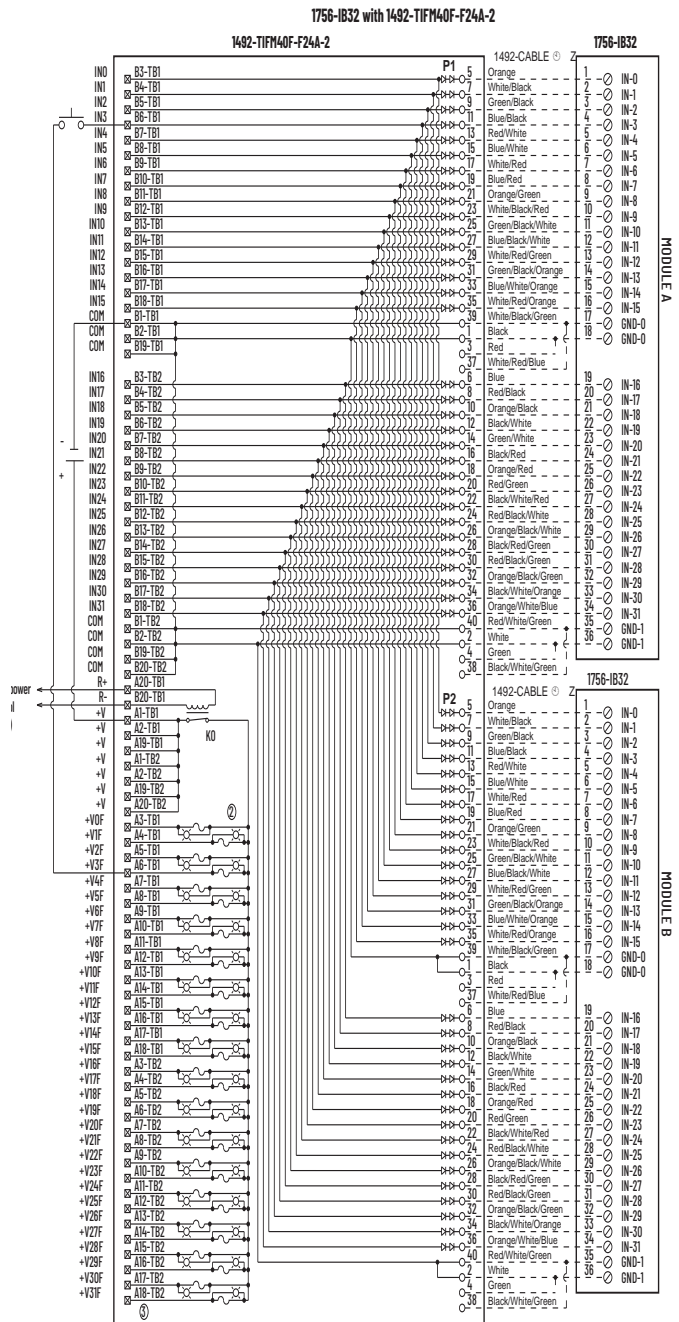
The 1492-TIFM40F-F24A-2 termination board is designed specifically for use in a ControlLogix SIL2 safety shutdown application using two 1756-IB32 DC input modules.

See publication 1756-RM001 for details on using ControlLogix in SIL2 applications.

See Publication 1492-TIFM40F-F24A-2 for IFM specifications.

Using this module in a non SIL2 application with 1756-IB32 modules is at the discretion of the user.

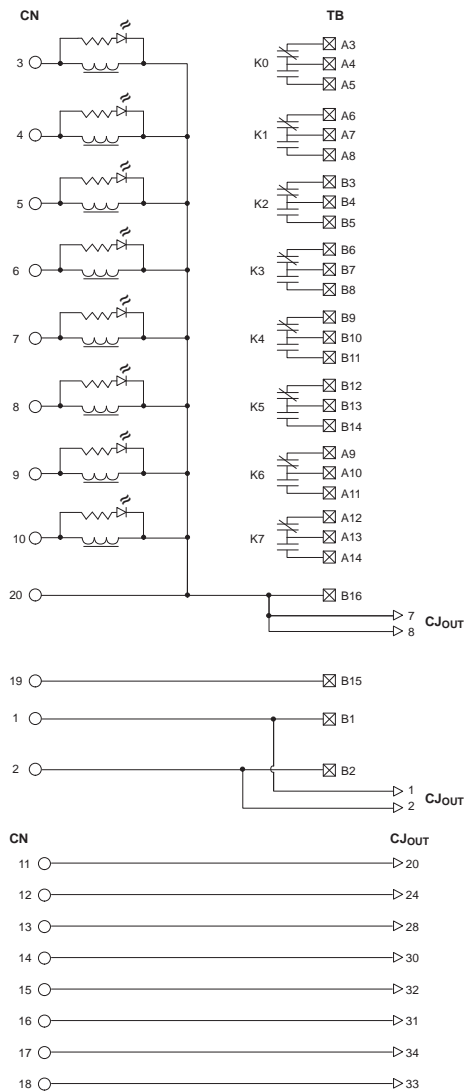
- Cables are available in 0.5 m, 1.0 m, 2.5 m, and 5.0 m standard lengths (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, 050 = 5.0 m). Custom length cables are also available.
- LED provides blown fuse indication.
- Terminals starting with A are the lower row of terminals, B terminals are the upper row. TBI is the left terminal block, TB2 is the right terminal block.



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-TIFM40F-F24A-2	10...31.2V AC	0.25 A	3 A	9.5 x 3.27 x 2.78	1 mA @ 10V 3 mA @ 30V	600 V _p	0...60 °C	5...95%	1.6 lb. (725 g)	W4600633701

1492-XIM2024-8R

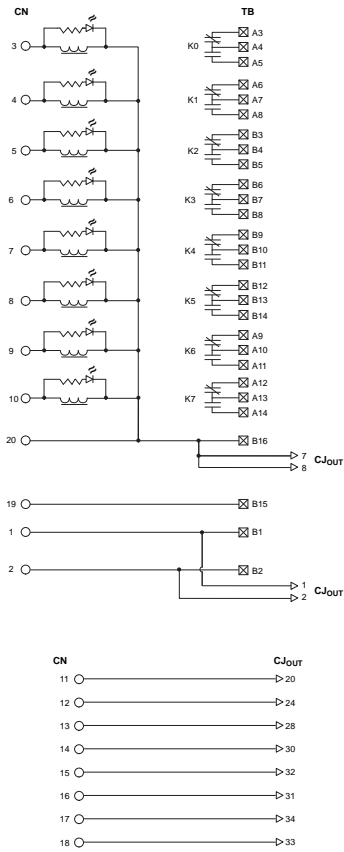
Relay Master (LED Indicating) 20-Pin Master With Eight (8) 24V DC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM2024-8R	20...26V DC	2 A	12 A	6.3 x 3.27 x 2.78	2.5 mA	600 V _p	0...60 °C	5...95%	1.18 lb. (536 g)	W4600632601

1492-XIM20120-8R

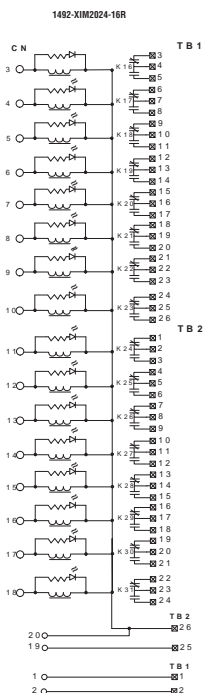
Relays Masters (LED Indicating) 20-Pin Master with Eight (8) 120V AC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM20120-8R	96...132V AC	2 A	12 A	6.3 x 3.27 x 2.78	2	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632601

1492-XIM2024-16R

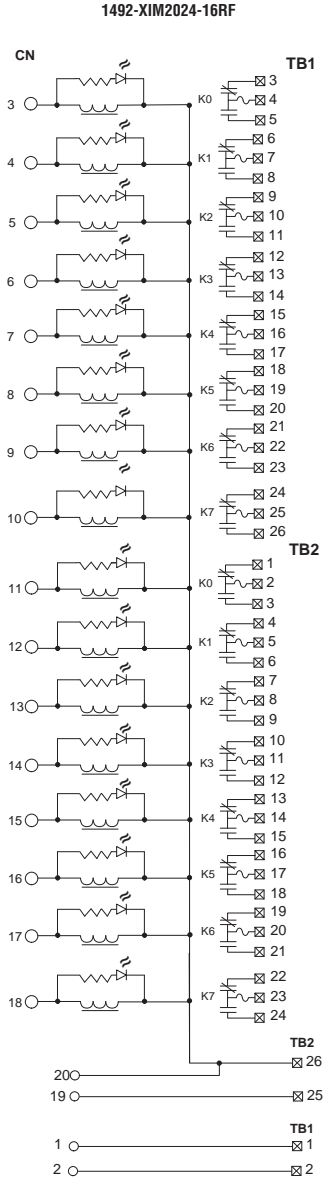
Relays Master (LED Indicating) 20-Pin Master with Sixteen (16) 24V DC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM2024-16R	20...26V DC	10/12 A	96 A	10.65 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.18 lb.	W4600633301

1492-XIM2024-16RF

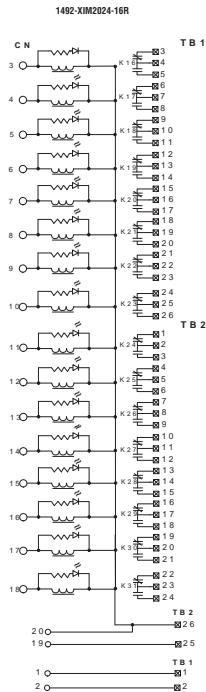
Relay Master (LED Indicating) 20-Pin Master with Sixteen (16) 24V DC Relays with Fusing



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM2024-16RF	96...132V AC	10/12 A	96A	10.65 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	2.05 lb. (933 g)	W4600633301

1492-XIM20120-16R

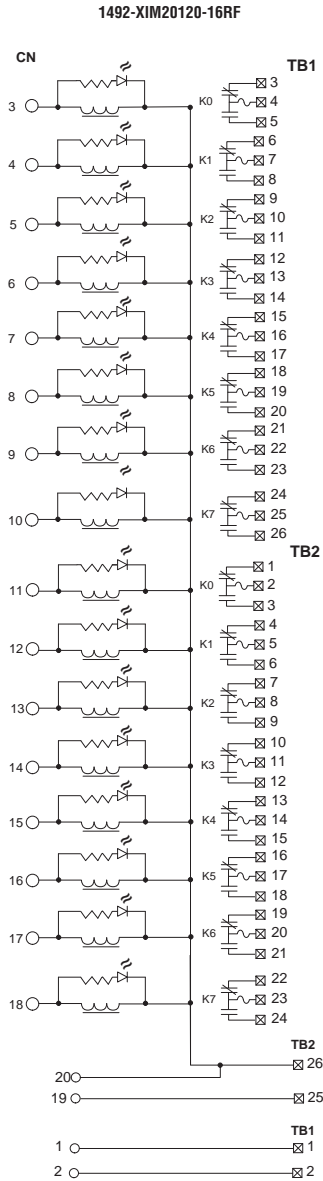
Relay Master (LED Indicating) 20-Pin Master with Sixteen (16) 120V AC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM20120-16R	96...132V AC	10/12 A	96 A	10.65 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	2.02 lb. (916 g)	W4600633301

1492-XIM20120-16RF

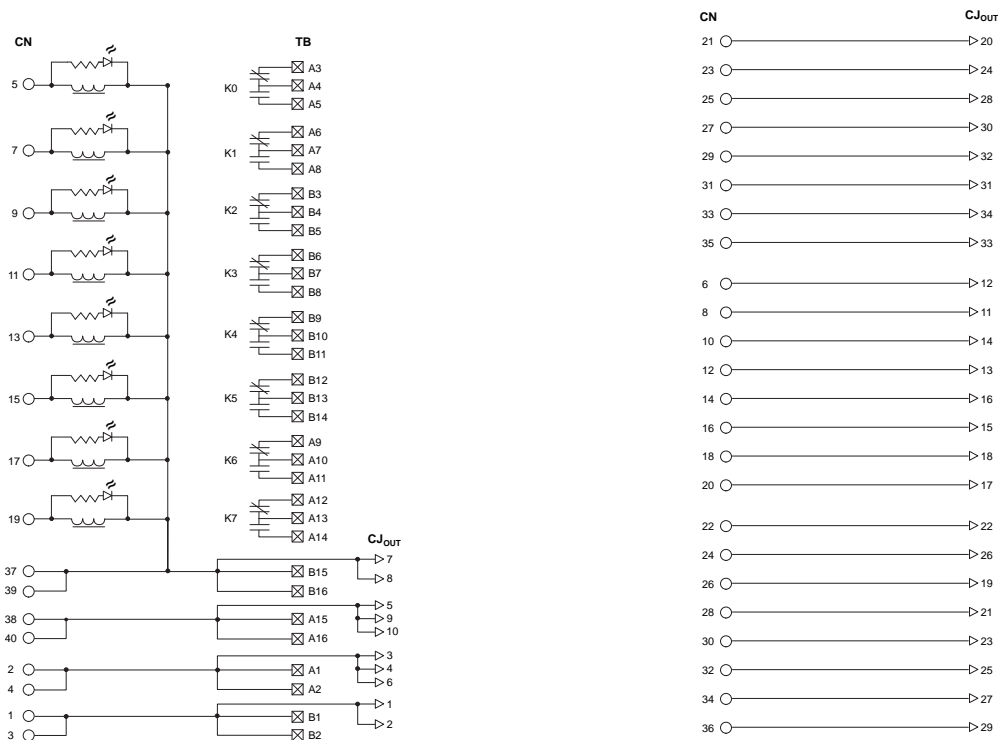
Relay Master (LED Indicating) 20-Pin Master with Sixteen (16) 120V AC Relays with Fusing



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM20120-16RF	96...132V AC	10/12 A	96 A	10.65 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	2.02 lb. 916 g.	W4600633301

1492-XIM4024-8R

Relay Master (LED Indicating) 40-Pin Master with Eight (8) 24V DC Relays

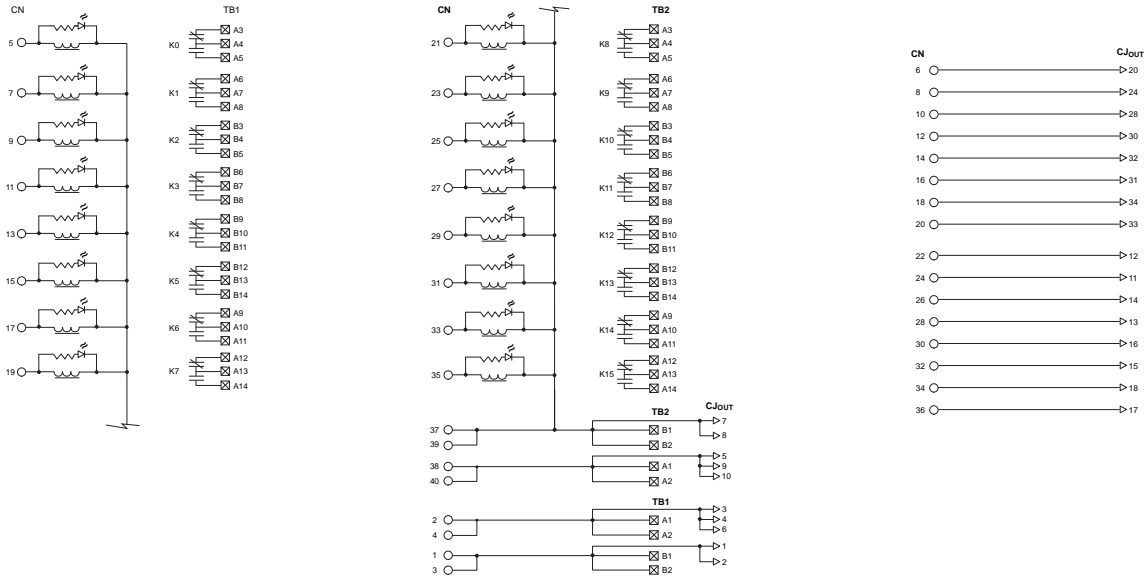


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM4024-8R	20...26V DC	10/12 A	48 A	6.30 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600632601

1492-XIM4024-16R

1492-RXIM4024-16R

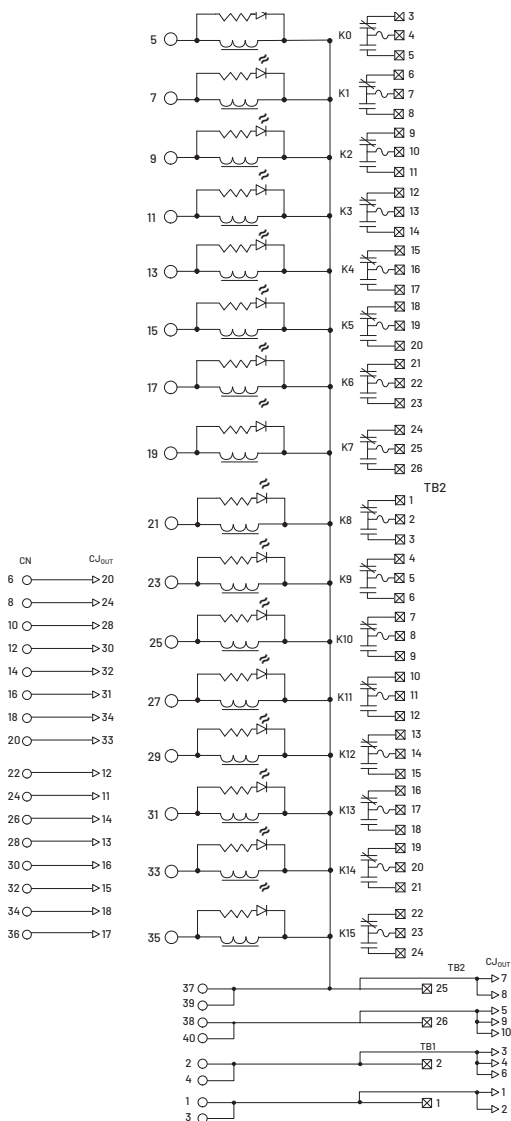
Relay Mater (LED indicating) 40-Pin Master with Sixteen (16) 24V DC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM4024-16R	20...26V DC	10/12 A	96 A	9.06 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.79 lb. 871 g.	W4600633201
1492-RXIM4024-16R				9.45 x 3.27 x 2.78						

1492-XIM4024-16RF

Relay Master (LED Indicating) 40-Pin Master with Sixteen (16) 24V DC Relays with Fusing



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM4024-16RF	85...132V AC/DC	2 A	12 A	7.09 x 3.27 x 2.78	1.5 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600633301

1492-XIM24-8R

1492-RXIM24-8R

Relay Expander (LED Indicating) with Eight (8) 24V DC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM24-8R	20...26V DC	10/12 A	48 A	6.30 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632701
1492-RXIM24-8R				6.39 x 3.27 x 2.78						

1492-XIM120-8R

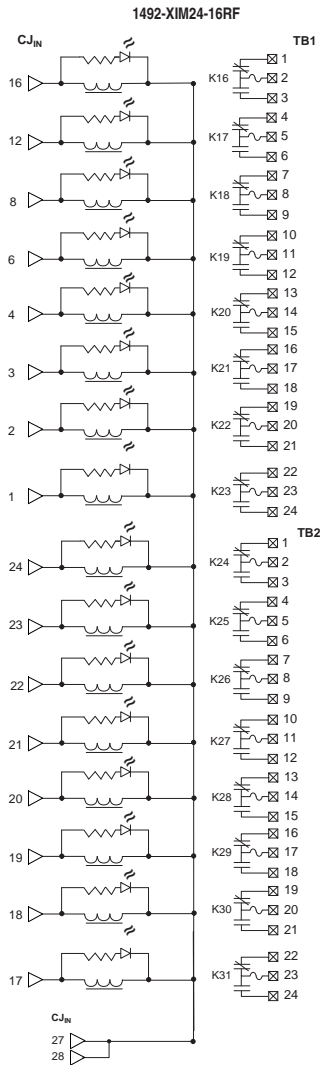
Relay Expander (LED Indicating) with Eight (8) 120V AC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM120-8R	96...132V AC/DC	10/12 A	48 A	6.30 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632701

1492-XIM24-16RF

Expander with Sixteen (16) 24V DC Relays with Fusing



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIM24-16RF	20...26V DC	10/12 A	96 A	11.05 x 3.27 x 2.75	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. (536 g.)	W4600632901

1492-XIMF-F24-2

Fusible 8-Channel Expander with 24V DC Blown Fuse Indicators



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMF-F24-2	10...30V DC	2 A	12 A	3.15 x 3.27 x 2.28	2 mA	600 Vp	0...60 C	5...95%	0.65 lb. 298 g.	W4600632801

1492-XIMF-F120-2

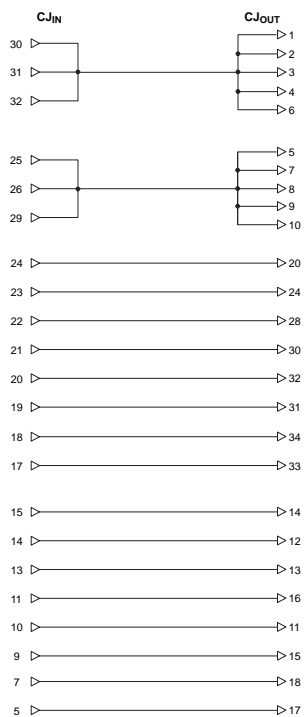
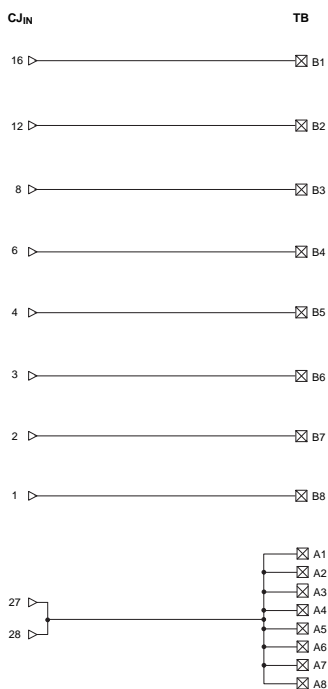
Fusible 8-Channel Expander with 120V AC Blown Fuse Indicators



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMF-F120-2	85...132V AC/DC	2 A	4 A	3.15 x 3.27 x 2.28	2 mA	600 Vp	0...60 C	5...95%	0.65 lb. 298 g	W4600632801

1492-XIMF-2

Expander with Eight (8) Feed-Through Channels

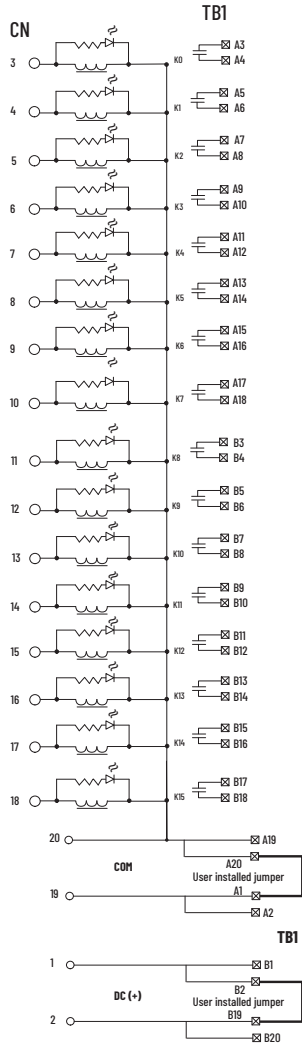


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMF-2	0...132V AC/DC	2/NA A	4 A	3.15 x 3.27 x 2.19	—	600 Vp	0...60 C	5...95%	0.58 lb. 263 g.	W4600632801

1492-XIMTR2024-16R

1492-RXIMTR2024-16R

Relay Master 20-Pin Master with Sixteen (16) 24V DC Relays

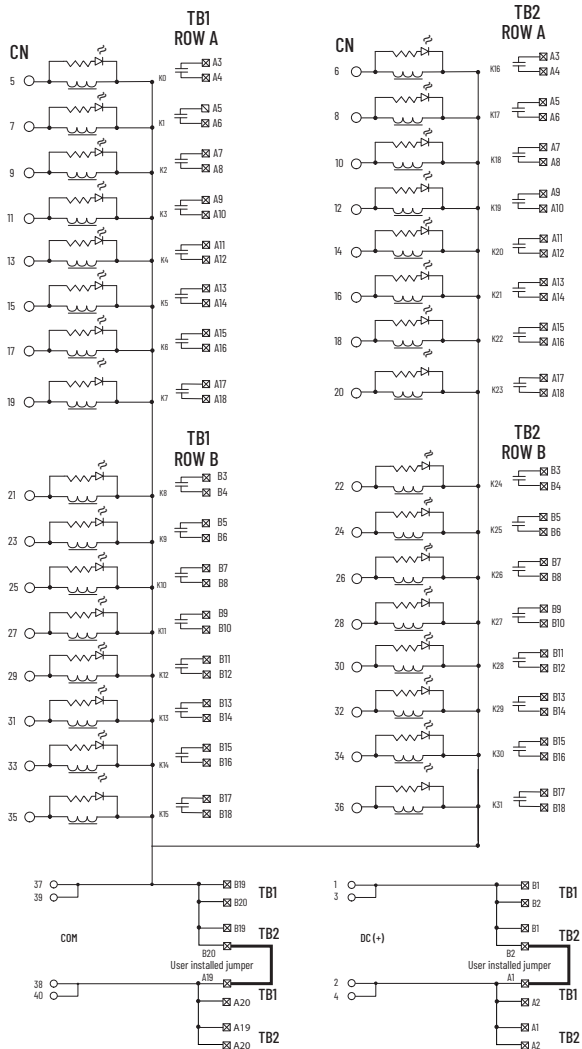


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMTR2024-16R 1492-RXIMTR2024-16	20...26V AC/DC	4 A	12 A	4.72 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.55 lb. 398 g.	W4600635201

1492-XIMTR4024-32R

1492-RXIMTR4024-32R

Relay Master 40-Pin Master with Thirty-two (32) 24V DC Relays

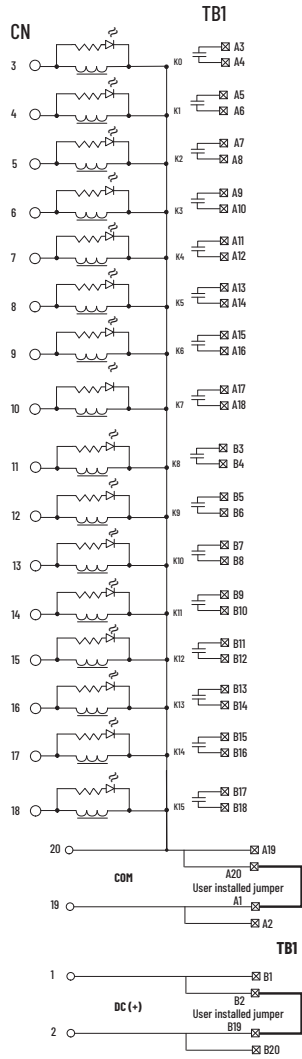


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMTR4024-32R 1492-RXIMTR4024-32R	20...26V AC/DC	4 A	12 A	9.45 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	0.88 lb. 701 g.	W4600635201

1492-XIMTS2024-16R

1492-RXIMTS2024-16R

Relay Master 20-Pin Master with Sixteen (16) 24V DC Relays

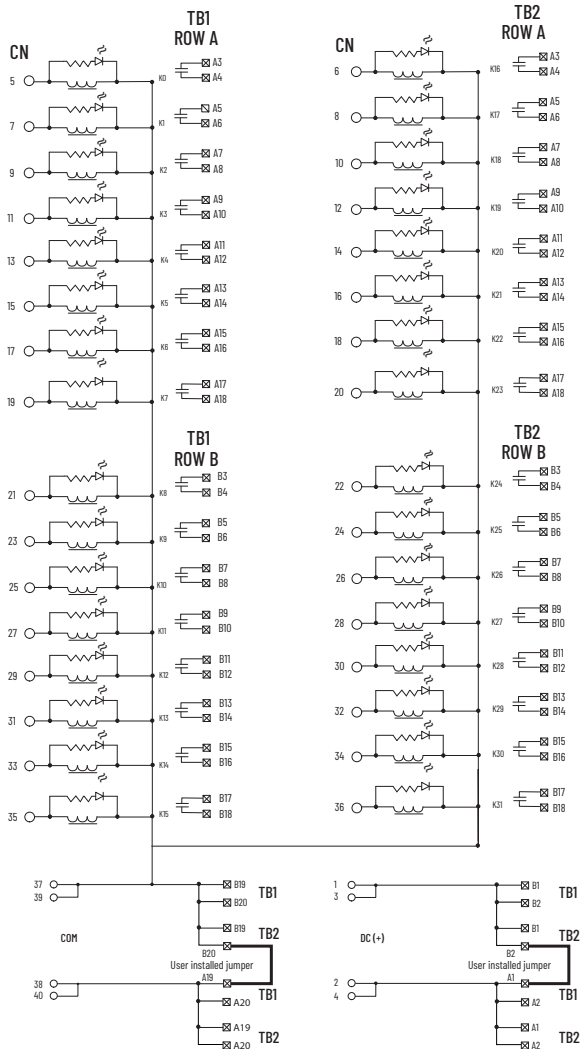


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMTS2024-16R 1492-RXIMTS2024-16R	20...26V AC/DC	0.75 A	12 A	4.72 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	1.55 lb. 398 g.	W4600635201

1492-XIMTS4024-32R

1492-RXIMTS4024-32R

Solid State Relay Master 40-Pin Master with Thirty-two (32) 24V DC Relays



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-XIMTS4024-32R	20...26V AC/DC	0.75 A	4 A	9.45 x 3.27 x 2.78	2 mA	600 Vp	0...60 C	5...95%	0.88 lb. 701 g.	W4600635201

Notes:

Analog Interface Modules (AIFMs)

IMPORTANT The following analog cable catalog number breakdown is for explanation purposes only. It is not a product configurator. All combinations of fields are not valid product catalog numbers.

1492 - **AIFM** **16F** **5**
 a b 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	3 Channel
C	Combination
CE	Counter Encoder
6	6 Channel
8	8 Channel
16	16 Channel
F	Fused
S	Isolated

c

Number of Field Side Wiring Terminals

Code	Description
3	Three per I/O channel
5	Five per I/O channel

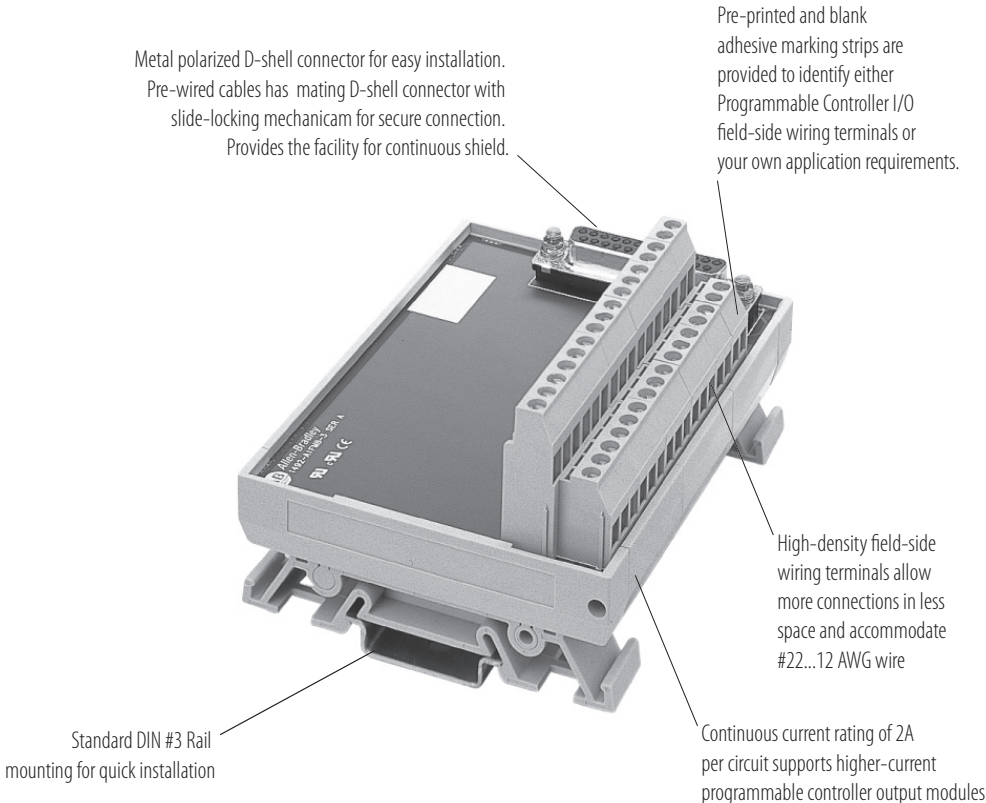
Analog AIFM Selection

Catalog Number	Page
1492-AIFM4-3	273
1492-RAIFM4-3	273
1492-AIFM6S-3	274
1492-RAIFM6S-3	274
1492-AIFM8-3	275
1492-RAIFM8-3	275
1492-AIFM6TC-3	276
1492-AIFM4C-F-5	277
1492-AIFM4I-F-5	278
1492-AIFM8-F-5	279
1492-AIFM16-F-3	280
1492-AIFM16-F-5	281
1492-AIFMQS	282
1492-AIFMPI	283
1492-AIFMCE4	284
1492-AIFMCE4-F	285
1492-AIFM8S-3	286
1492-RAIFM8S-3	286
1492-AIFM8TC-3	287
1492-RAIFM8TC-3	287
1492-AIFM8TC-R-3	288
1492-TAIFM16-F-3	289

Analog IFM Options and Features

Analog IFMs (AIFMs), similar to groups of terminal blocks, are available with either 15- or 25-pin D-shell connectors. The number of field-side wiring terminals varies with the type of module – from three to five terminals per analog I/O channel. AIFMs are available as feed-through or fusible to customize the wiring system to your application.

All AIFMs have the following features:

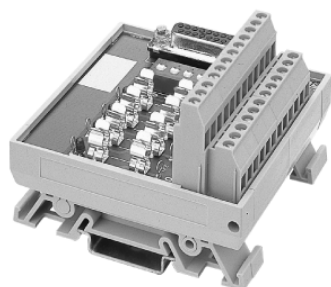


Feed-Through Modules



- Feed-through AIFMs have three terminals per analog I/O channel to wire the analog I/O device connections and shield. The shield terminals are internally bussed together and also tied to the D-shell housing to connect with the Bulletin 1492 cable shield and back to the PLC module. Some feed-through AIFMs also have special features:
- The Catalog Number 1492-AIFM6TC-3 AIFM for the Cat. Nos. 1756-IT6I and 1756-IT6I2 controllers provide on- or off-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 acquires temperature data at the AIFM for the Bul. 1756 thermocouple module to adjust the input value.
- The Catalog Number 1492-AIFM8-3 AIFM has eight extra terminals commoned together in a power bus that can be used for Module Common connections or power supply connections. The extra terminals and internal jumpering eliminate the need for some terminal blocks for power connections and jumper accessories.

Analog Fusible Modules



- Fusible AIFMs are available for analog input modules. These AIFMs enable you to fuse the input device power source on the field-side. The field-side power source is distributed through individual onboard 5 x 20 mm fuse clips. The fused AIFMs have 24V DC blown fuse indicators to reduce the troubleshooting time needed to locate and replace a blown fuse. The fuse holder has an integrated fuse puller to simplify fuse removal. Isolation switch plugs or "dummy fuses" (refer to Accessories, page 183) are also available to isolate an input circuit after 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 AIFMs have five terminals per input channel (except Catalog Number 1492-AIFM16-F-3, which has three terminals per channel) to wire the input-device connections, device shield, and power connections for 2-, 3-, and 4-wire transmitters. The shield terminals are internally bussed together and also tied to the D-shell housing to connect with the Bulletin 1492 cable shield and back to the PLC module. There are two separate power buses (4...16 terminals, depending on the AIFM) that can be used for +V and DC COM connections and/or device Common. The extra terminals and internal connections eliminate additional terminal blocks and jumpers – reducing spare parts inventory, saving panel space, and simplifying installation.
- Several of the fusible AIFMs have on-board DIP switches to easily connect unused inputs to module common – reducing wiring on the field-side. You no longer need extra jumper wires or comb-style jumpers to properly terminate unused inputs, as recommended on many Bulletin 1746 and 1756 analog input modules. Inputs are jumpered via DIP switch on a per-channel basis.
- The Catalog Numbers 1492-AIFM4I-F-5 and 1492-AIFM4C-F-5 AIFMs both have test point loops on either side of the fuse clips for easier access and connection of metering equipment. Metering equipment can also be attached to the fuse clips on other AIFMs for measuring input loop current.
- Below are several examples of the field-side connections for 2- and 4-wire transmitters available on the fusible AIFMs

Analog Specialty Modules



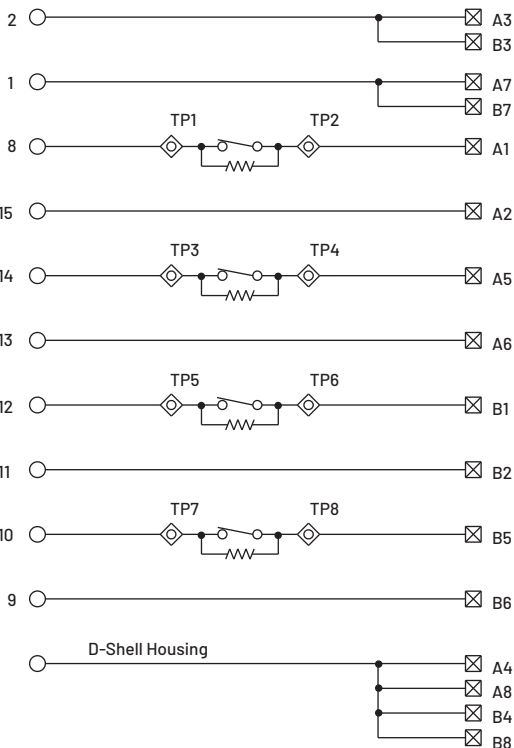
- Specialty modules include thermocouple, RTD and other specialized functions.
- The Cat. No.1492-AIFM6TC-3 Thermocouple I/FM for the Cat. No. 1756-IT6I or 1756-IT6I2 ControlLogix I/O module provides onboard cold junction compensation to allow thermocouples to be connected remotely while still correcting 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.

Analog IFMs

1492-AIFM4-3

1492-RAIFM4-3

Feed-Through 4-channel Input, Output or 2-in/2-out Combination with 3 Terminals/Channel

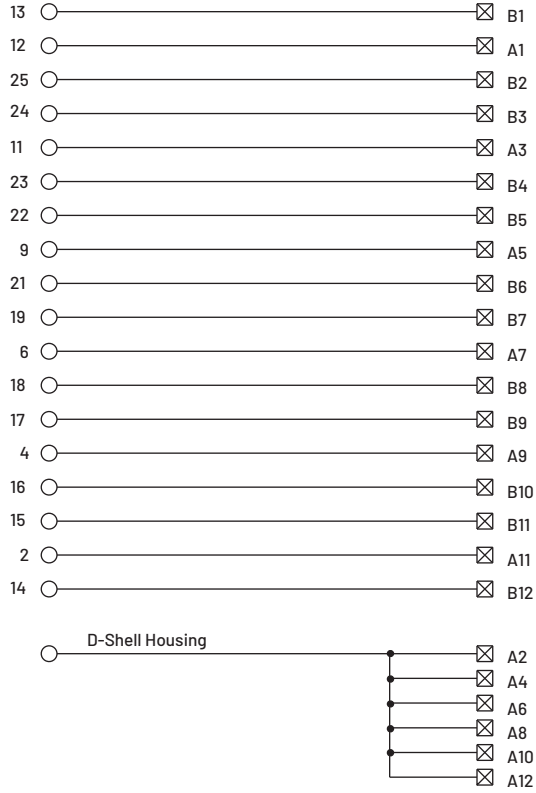


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM4-3	0...10V DC	2 A	12 A	2.36 x 3.27 X 2.74	2 mA	600 Vp	0...60 C	5...95%	5 lb. (227 g.)	W4600631501
1492-RAIFM4-3				2.75 x 3.27 X 2.74						

1492-AIFM6S-3

1492-RAIFM6S-3

Feed-Through 6-Channel Isolated with 3...4 Terminals/Channel

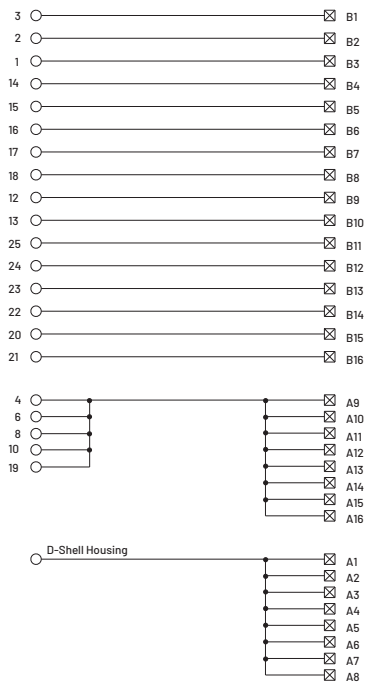


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM6S-3	0...132V	2 A	12 A	3.15 x 3.27 x 2.74	NA	600 Vp	0...60 C	5...95%	0.55 lb. (249 g.)	W4600631201
1492-RAIFM6S-3	AC/DC			3.54 x 3.27 x 2.74						

1492-AIFM8-3

1492-RAIFM8-3

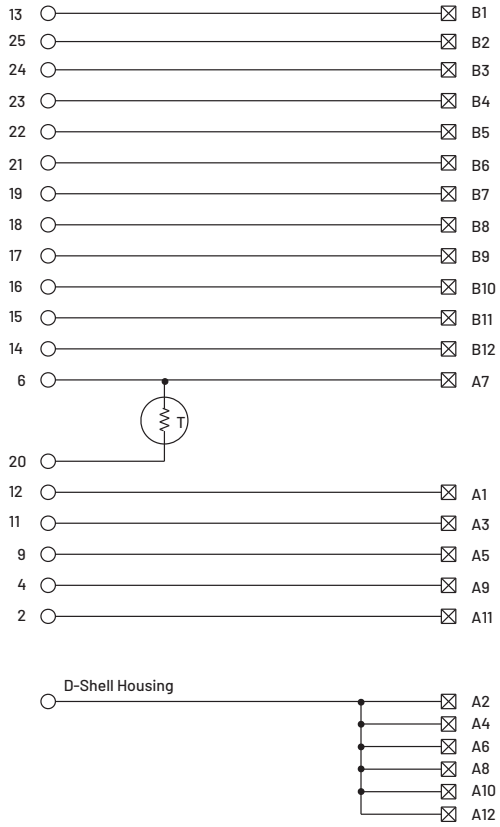
Feed-Through 8-Channel Differential 16-Channel Single-Ended with 3 Terminals/Channel



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM8-3	0...132V	2 A	12 A	4.33 x 3.27 x 2.74	NA	600 Vp	0...60 C	5...95%	0.64 lb. (289 g.)	W4600631001 W4600634501
1492-RAIFM8-3	AC/DC			4.72 x 3.27 x 2.74						

1492-AIFM6TC-3

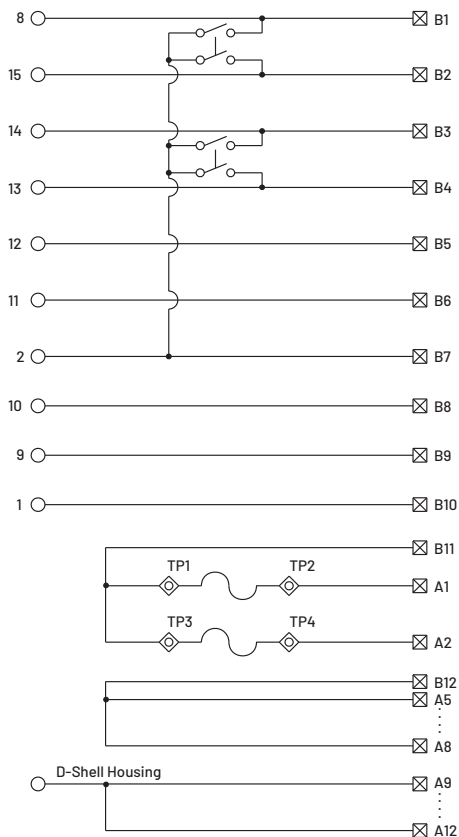
Thermocouple 6-Channel with 3 Terminals/Channel



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM6TC-3	0...132V AC/DC	2 A	12 A	3.15 x 3.27 x 2.74	NA	600 Vp	0...60 C	5...95%	0.55 lb. (249 g.)	W4600631201

1492-AIFM4C-F-5

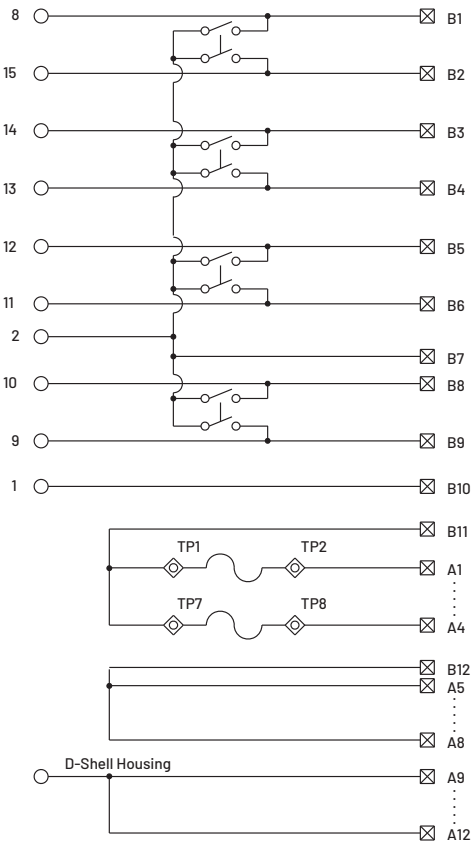
Fusible 2-channel Input, 2-Channel Output with 24V DC Blown Fuse Indicators, Test Points, 5 Terminals/Input, 3 Terminals/Output



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM4C-F-5	0...132V AC/DC	2 A	12 A	3.15 x 3.27 x 2.74	NA	600 Vp	0...60 C	5...95%	0.76 lb. (344 g)	W4600631301

1492-AIFM4I-F-5

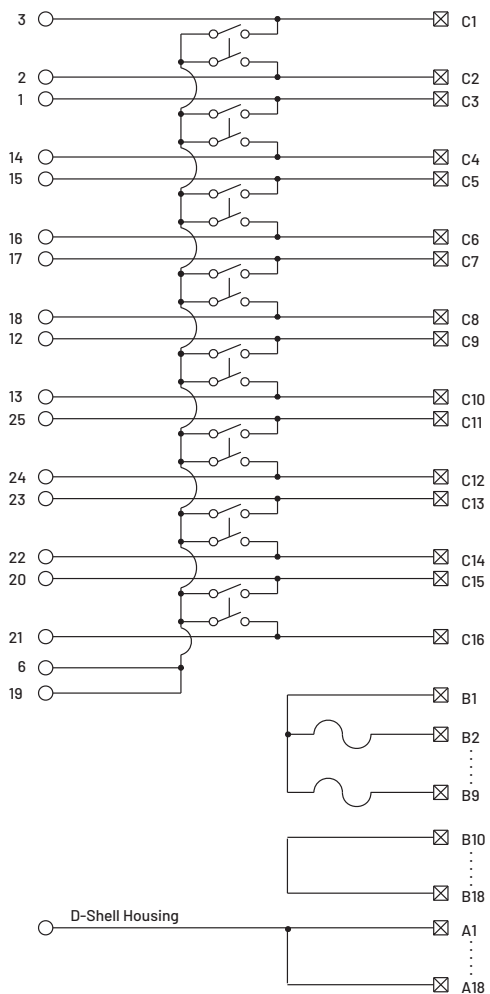
Fusible 4-Channel Input with 24V DC Blown Fuse Indicators, Test Points, 5 Terminals/Input



Cat. No.	Voltage Range	Max. Current (Per)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM4I-F-5	10...30V	2 A	12 A	3.15 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	0.85lb (385 g.)	W4600631301

1492-AIFM8-F-5

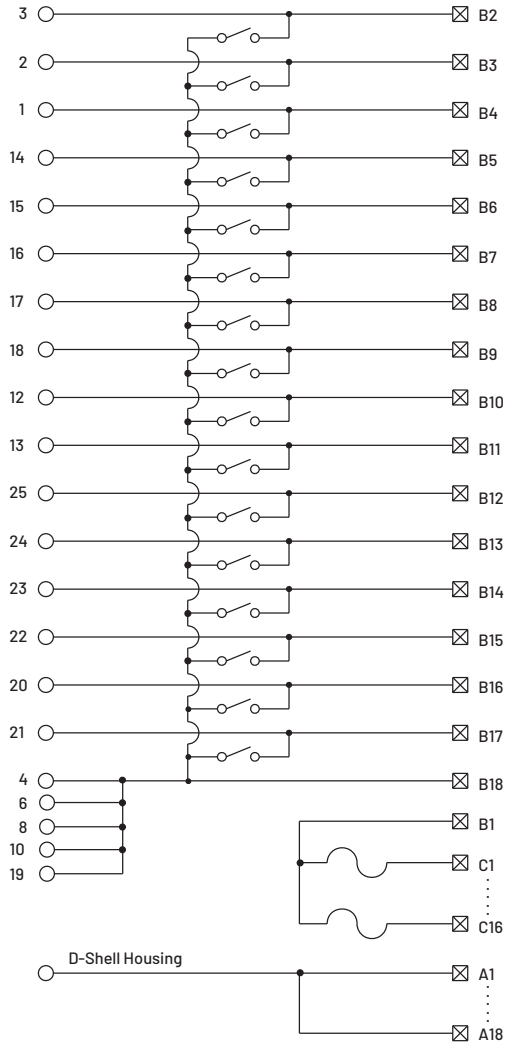
Fusible 8-Channel Input with 24V DC Blown Fuse Indicators, 5 Terminals/Channel



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM8-F-5	10...30V DC	2 A	12 A	4.72 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	0.85 lb. 385 g.	W4600630601 W4600635101

1492-AIFM16-F-3

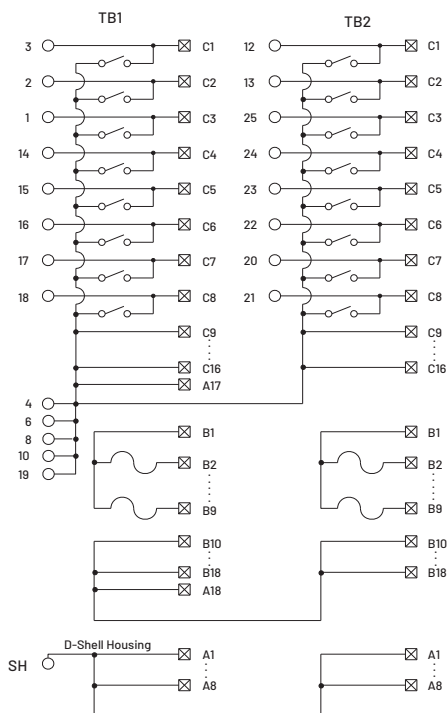
Fusible 16-Channel Inputs with 24V DC Blown Fuse Indicators, 3 Terminals/Channel



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM16-F-3	10...30V DC	2 A	12 A	4.72 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	0.88 lb. (401 g.)	W4600632501

1492-AIFM16-F-5

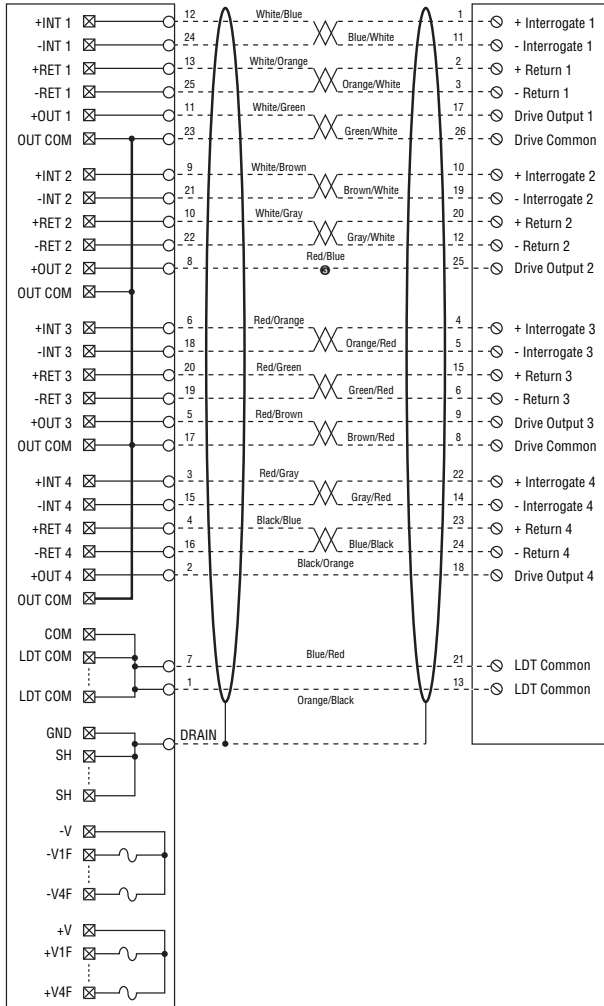
Fusible 16-Channel Input with 24V DC Blown Fuse Indicators, 5 Terminals/Channel



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM16-F-5	10...30V DC	2 A	12 A	8.27 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	1.38 lb. 628 g.	W4600630801

1492-AIFMQS

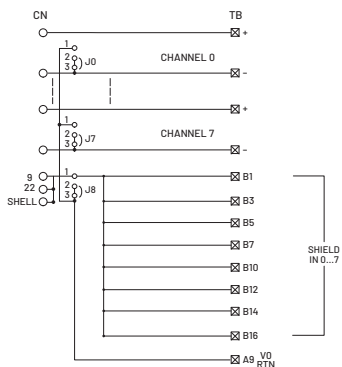
Fusible 4-Input/4 Output Channel with 8 Fuses and 24V DC Blown Fuse Indicators



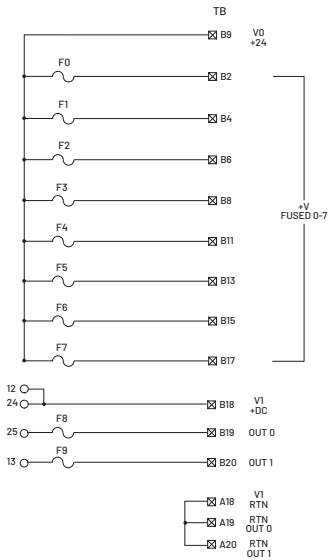
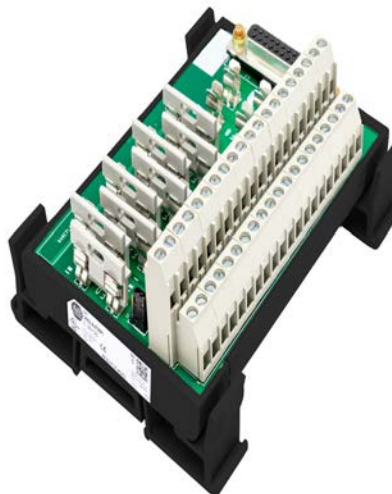
Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFMQS	10...30V DC	3 A	12 A	4.72 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600630901

1492-AIFMPI

Fusible 8-Input/2 Output Channels



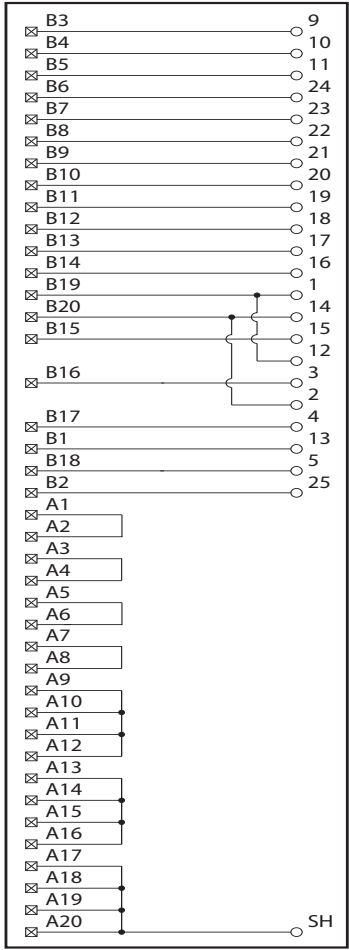
CHANNEL	+	0	-
0	4	A1 +0	IN
	14	A2 -0	
1	3	A3 +1	IN
	15	A4 -1	
2	2	A5 +2	IN
	16	A6 -2	
3	1	A7 +3	IN
	17	A8 -3	
4	8	A10 +4	IN
	18	A11 -4	
5	7	A12 +5	IN
	19	A13 -5	
6	6	A14 +6	IN
	20	A15 -6	
7	5	A16 +7	IN
	21	A17 -7	



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFMPI	0...30V DC	2 A	12 A	4.72 x 3.27 x 2.74	2 mA	600 Vp	0...60 C	5...95%	1.18 lb. 536 g.	W4600634801

1492-AIFMCE4

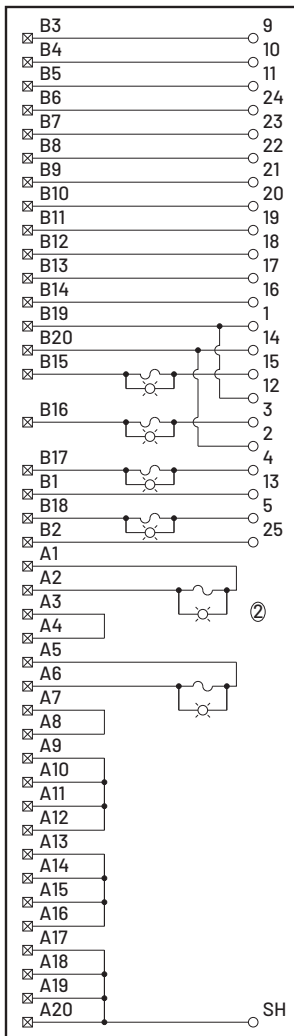
High-Speed Counter/Encoder Analog IFM, 2-channel counter input/4 outputs



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFMCE4	5...30V DC	2 A	8 A	5.12 x 3.27 x 2.74	—	600 Vp	0°...60° C (32...140° F)	5...95%	0.57 lb. 258 g.	W4600633901

1492-AIFMCE4-F

Fusable High-Speed Counter/Encoder Analog IFM,
2-channel fused counter input/4 fused outputs, Analog Interface Module

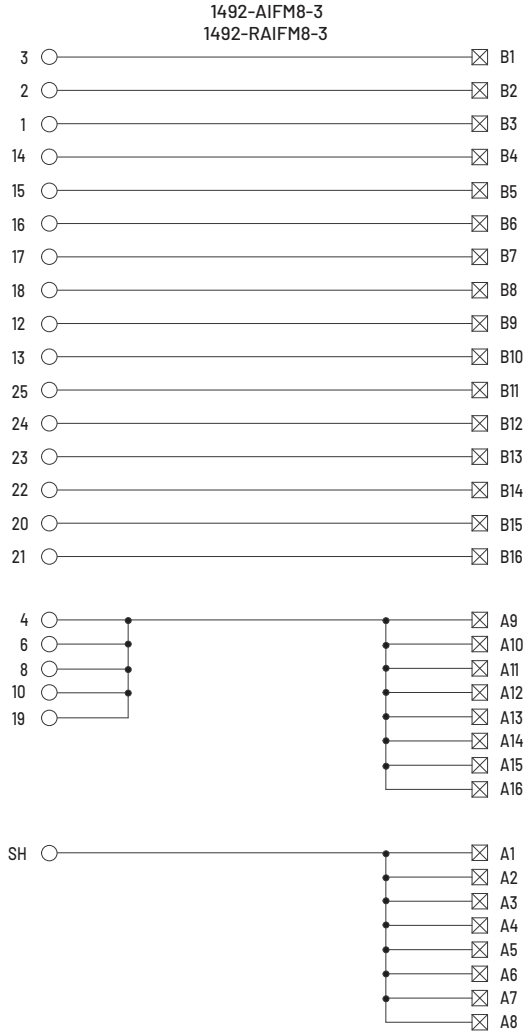


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFMCE4-F	5...30V DC	2 A	8 A	5.12 x 3.27 x 2.74	1 mA @ 5V DC 6 mA @ 24V DC	600 Vp	0°...60° C (32...140° F)	5...95%	0.63 lb. 287 g.	W4600633901 W4600635801

1492-AIFM8S-3

1492-RAIFM8S-3

Feed-Through Isolated 8 Channel Analog IFM, 3 Terminals per Input, Analog Interface Module

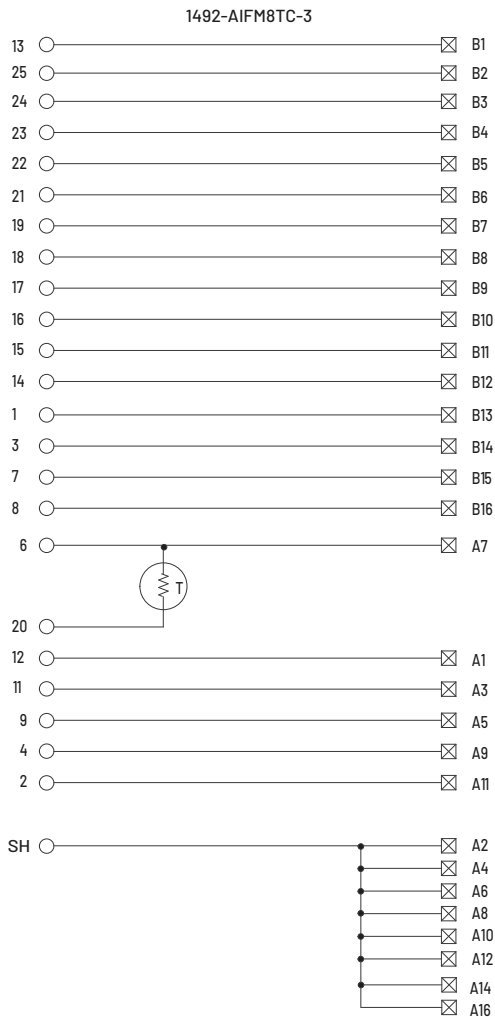


Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) in. (mm)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM8S-3	0...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78 (110 x 83 x 70.5)		600 Vp	0°...60° C (32...140° F)	5...95%	0.30 (136 g.)	W4600634501 W4600635801
1492-RAIFM8S-3									0.22 (97.8 g.)	

1492-AIFM8TC-3

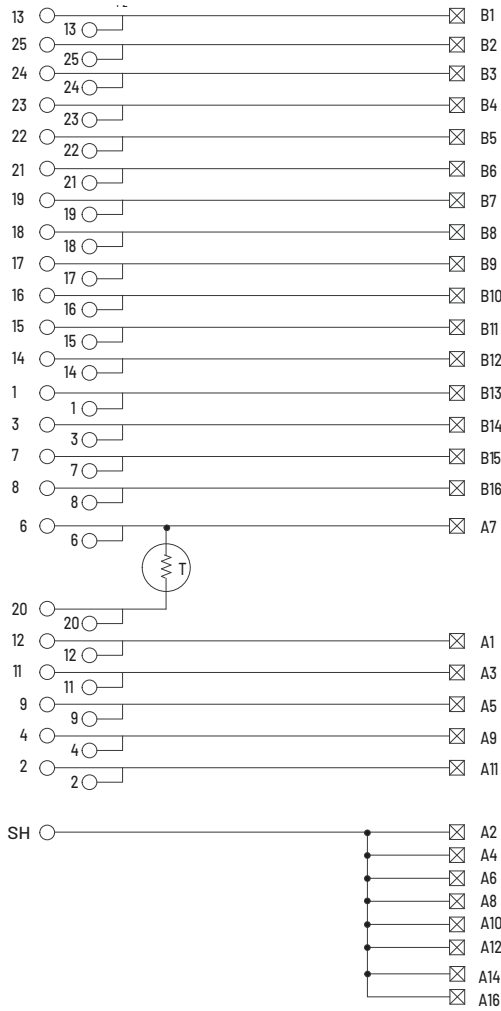
1492-RAIFM8TC-3

Thermocouple 8 Channel Analog IFM, 3 Terminals per Input Analog Interface Module



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM8TC-3	0...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78 (110 x 83 x 70.5)		600 Vp	0°...60° C (32...140° F)	5...95%	0.36 (163 g.)	W46006634501
1492-RAIFM8TC-3									0.28 (125 g.)	

1492-AIFM8TC-R-3



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Indicator Circuit Current	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-AIFM8TC-R-3	0...132V AC/DC	2 A	12 A	4.33 x 3.27 x 2.78 (110 x 83 x 70.5)		600 Vp	0°...60° C (32...140° F)	5...95%	0.36 (163 g.)	W4600634501

1492-TAIFM16-F-3

Fused Terminal Module for use in SIL 2 Safety Shutdown Applications with Two 1756-IF16 Analog Input Modules

The 1492-TAIFM16-F-3 is designed specifically for use in a ControlLogix SIL2 safety shutdown application using two 1756-OB16D DC output modules.

See publication [1756-RM001](#) for details on using ControlLogix in SIL2 applications.

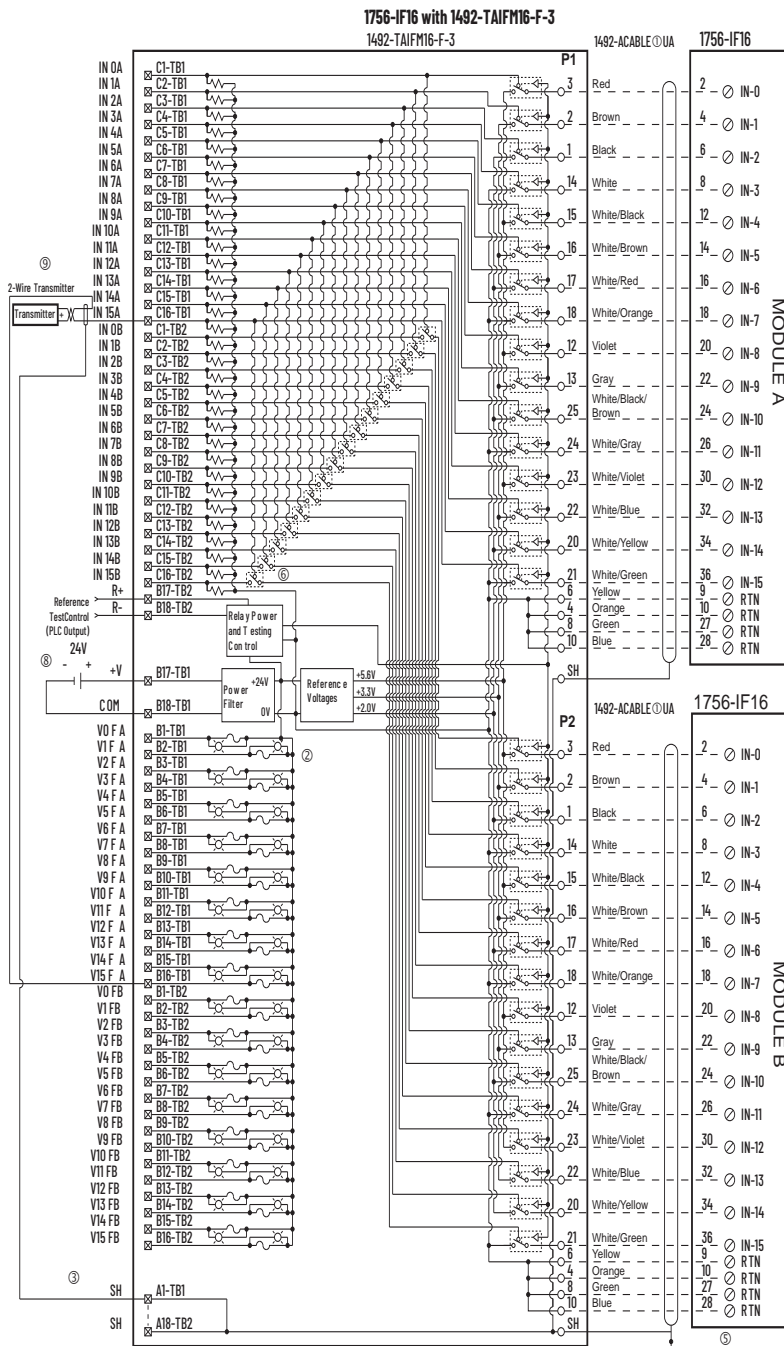
See publication [1492-TAIFM16-3](#) (1492-IN_-MU-E) for pin out diagrams and other specifications.

Using this module in a non SIL2 Application with 1756-IF16 modules is at the discretion of the user.

- Cables are available in 0.5 m, 1.0 m, 2.5 m, and 5.0 m standard lengths (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, 050 = 5.0 m). Custom length cables are also available.
- LED provides blown fuse indication. Un voyant indique si le fusible a sauté. Die LED zeigt eine durchgebrannte Sicherung an.
- All Shield terminals (Row A) are common.
- Terminals starting with A are the lower row of terminals, B terminals are the middle row, C terminals are the upper row. TB1 is the left terminal block, TB2 is the right terminal block.
- Refer to PLC manual for proper grounding.
- Dip switches provided to choose between 16 SIL2 sensors or 32 standard sensors. Factory Default: 16 SIL2 sensors.
- For 16 SIL2 sensors use terminals IN 0A - IN 15A and V0 FA - V15 FA with dip switches in factory default.
- +24V DC input required for reference test terminals. See Page 6 for specifications.
- Transmitter must be 4-20mA (TAIFM16 resistor converts to voltage) or 0-5V output. A 0-10V output causes premature IFM failure.

Standard and Certifications:

cULus (File: E113724, Guide No. NRA02) CE: Compliant for all applicable directives.



Cat. No.	Voltage Range	Max. Current (Per Circuit)	Max. Current (Per Module)	Dimensions (W x H x D) (in.)	Blown Fuse Indicator Circuit Current (Nominal)	Max. Recurring Peak Voltage	Operating Temperature	Operating Humidity	Approx Shipping Weight	Replacement Label Card Cat. No.
1492-TAIFM16-3	19.2...26.4V DC	0.25 A	1 A	9.88 x 3.27 x 2.74	2 mA	600 Vp	0°...60° C (32...140° F)	5...95%	1.3 (590 g.)	W4600633801

Notes:

Marking Systems

Pre-Printed and Blank Adhesive Label Cards

All Bulletin 1492 IFMs, XIFMs, and AIFMs ship with an adhesive label card. To see an example, refer to [Example Label Cards on page 292](#). The label card provides the field-side connection descriptions for the programmable controller I/O module. The label strips basically copy the wiring descriptions from the I/O module in the chassis down to the Interface Module terminals on the DIN Rail.

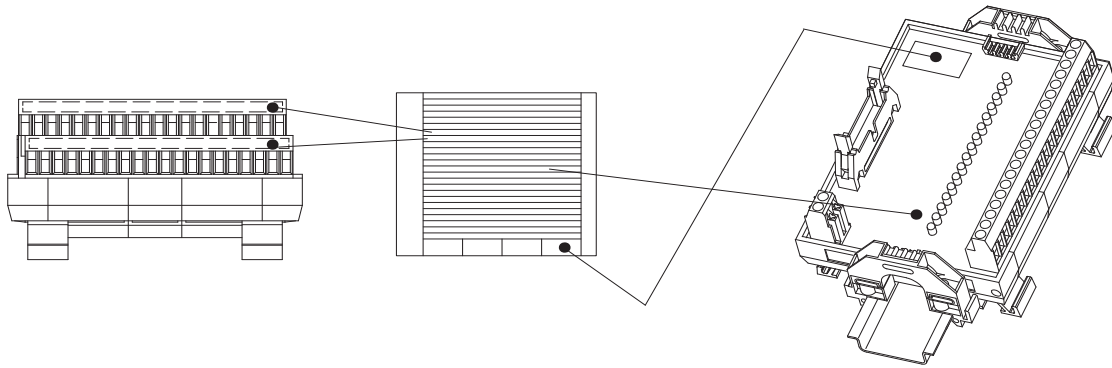
The label cards list all of the compatible I/O modules and their respective wiring descriptions. Depending on the I/O module that is used, the label strip(s) are simply peeled from the label card and applied to the field-side terminals on the Interface Module.

Labels are provided in the octal and decimal numbering systems for Bulletin 1746 I/O modules. Labels for Bulletin 1756 and 1769 I/O modules are supplied in the decimal numbering system, like the I/O modules. Interface Modules with LEDs or fuse clips come with the LEDs or fuse clips/blown fuse indicators numbered in decimal. The LED or fuse conversion label(s) are placed directly on the circuit board of the Interface Module. For extra terminal modules, pre-printed labels are provided to identify the power bus(es) or commoned terminals (middle and/or lower rows of terminals) on the Interface Module. For each I/O module, corresponding labels with L1, L2, COM, or +V are provided. The labels indicate isolated power busses or grouped commons with a different letter or number. For example, L1-A, L1-B, L1-C or COM1, COM2, COM3, etc.

In addition, if generic numbering of the field-side terminals is desired, numeric labels are provided. Examples: 1...20, 1...40, and evens and odds. If additional labels are needed, please reference specification for replacement card catalog numbers.

An example of how the labels are applied is shown below:

Label Application to IFM



Example Label Cards

Part 1 of Adhesive Label Card for Catalog Numbers 1492-IFM20F, -IFM20D24, and -IFM20D120

I/O CAT. NO.	MODULE LABEL																			
1746-IA16, IM16, IN16 (AC)	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	L2	L2	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	L2	L2
1746-IB16, IC16, IH16, IN16 (DC), ITB16	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM	COM	
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	COM		
1746-IG16	+V	+V	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM	COM	
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	COM		
1746-IV16, ITV16	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	+V	+V		
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	+V	+V		
1746-OA16, OW16 (AC) 1769-OA16, OW16 (AC)	L1	L1	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	L1	L1		
	1	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	2	2
1746-OB16, OB16E, OBP16, OG16, OV16, OVP16 1769-OB16, OV16	+V	+V	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	COM	COM		
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	COM		
1746-OW16 (DC) 1769-OW16 (DC)	+V1	+V1	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	+V2	+V2		
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	+V2	+V2		
1746-OX8 (AC) 1769-OW8I (AC)	L1	OUT	L1	OUT	L1	OUT	L1	OUT	OUT	L1	OUT	L1	OUT	L1	OUT	L1				
	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7				
1746-OX8 (DC) 1769-OW8I (DC)	+V0	OUT	+V1	OUT	+V2	OUT	+V3	OUT	OUT	+V4	OUT	+V5	OUT	+V6	OUT	+V7				
	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7				
1756-IA8D, TC-IDX08I	L1	IN	IN	IN	IN	L2	L2	L2	L2	L2	L2	L2	IN	IN	IN	IN	L1	L2		
	0	0	1	2	3	0	0	0	0	1	1	1	1	4	5	6	7	1	1	
1756-IA16, IN16, TC-IDA16I	L2	L2	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	L2	L2		
	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	1	
1756-IB16, IC16, TC-IDD16I, IDE16I	GND	GND	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	GND	GND		
	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	1	
1756-OA8, ON8, TC-ODC08I	L1	OUT	OUT	OUT	OUT	L1	L1	L1	L1	L1	L1	L1	L1	OUT	OUT	OUT	OUT	L1		
	0	0	1	2	3	0	0	0	0	1	1	1	1	4	5	6	7	1		

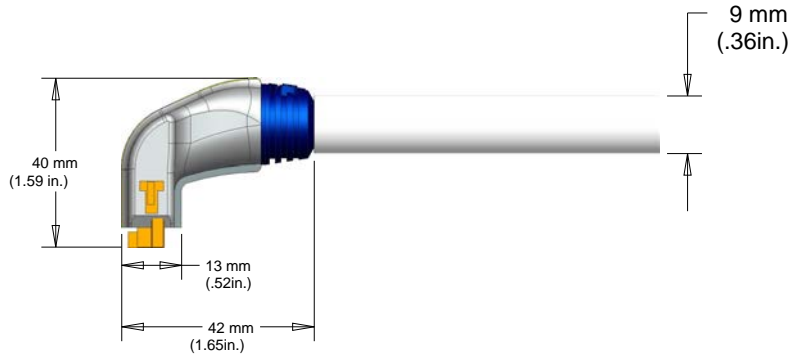
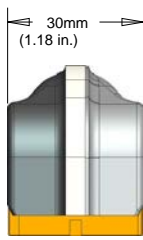
Part 2 of Adhesive Label Card for Catalog Numbers 1492-IFM20F, -IFM20D24, and -IFM20D120

756-OA8D, DA8E, TC-DDX081	L2	OUT	OUT	OUT	OUT	L1	L1	L1	L1	L1	L1	L1	OUT	OUT	OUT	OUT	L2	L1
	0	0	1	2	3	0	0	0	1	1	1	1	4	5	6	7	1	1
756-OA16, TC-QDA161	L1	L2	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	L1	L2
	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
756-OB8, OC8, TC-ODD081, TC-ODE081	+DC	OUT	OUT	OUT	RTN	+DC	+DC	RTN	+DC	+DC	+DC	+DC	OUT	OUT	OUT	OUT	RTN	RTN
	0	0	1	2	3	0	0	0	1	1	1	1	4	5	6	7	1	1
756-OB16E, TC-DD0161	+DC	RTN	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	+DC	RTN
	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
769-IA81		IN	L2	IN	L2	IN	L2	IN	L2	IN	L2	IN	L2	IN	L2	IN	L2	
	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7		
769-IA16	L2	L2	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	L2
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	L2	L2
769-IM12		IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN		L2
	0	1	2	3	4	5	6	7	8	9	10	11					L2	L2
769-I016 SINK	COM	COM	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM	COM
	1	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
769-I016 SOURCE	+VDC	+VDC	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	+VDC	+VDC
	1	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
769-OA8 (AC), OW8	L1	OUT	OUT	OUT	OUT	L1	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	L1	L1	
	1	0	1	1	2	3	1	4	5	6	7	8	9	10	11	2	2	
769-OW8 (DC)	+VDC	OUT	OUT	OUT	OUT	+VDC	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	+VDC	+VDC	
	1	0	1	1	2	3	1	4	5	6	7	8	9	10	11	2	2	
771-IAD (AC), IND (AC)	L1	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	L2
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	L2	
771-IMD (AC)		IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	L2
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	L2	
771-IAD (DC), IND (DC)	+V	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	
771-IMD (DC)		IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	
771-HD, ICD		IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	COM
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	COM	
771-IGD	+V	+V	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	+V
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	+V	
771-OAD, OND, OMD	L1	L1	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	L1	L2
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	L1	L2
771-OB0, OGD	+V	+V	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	+V	COM
	00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	+V	
NUMERIC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																		19
																		20
LED LABEL		00	01	02	03	04	05	06	07	10	11	12	13	14	15	16	17	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

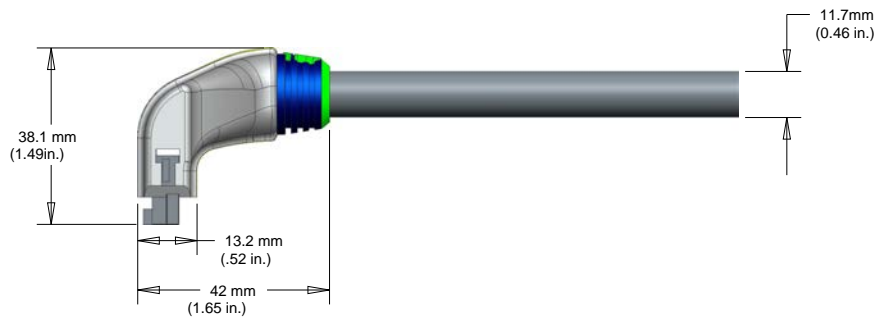
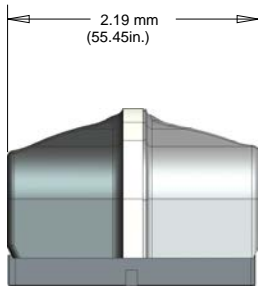
Dimensions

Approximate dimensions are shown in millimeters unless otherwise indicated (to convert to inches, multiply by 0.0394). Dimensions are not to be used for manufacturing purposes.

Digital IFM Mating Connector

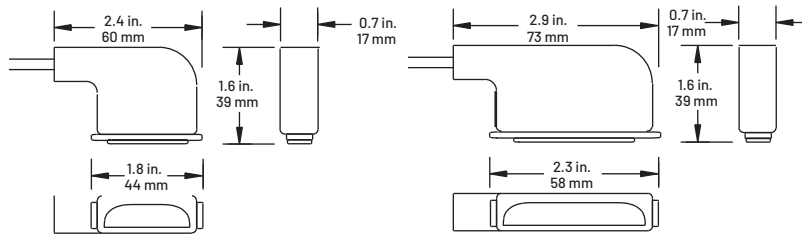


20-Point Cable Dimensions



40-Point Cable Dimensions

Analog D-Shell Connector



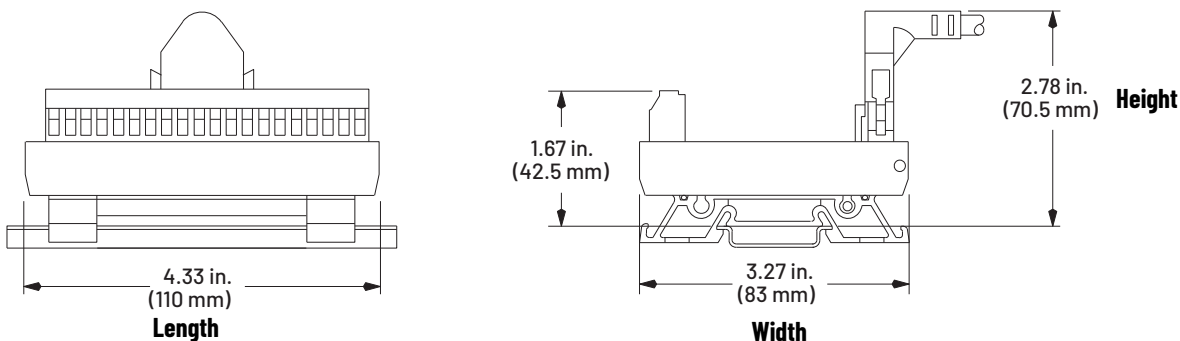
15-Pin D-Shell Dimensions

25-Pin D-Shell Dimensions

Wiring System Module Dimensions

The following is an example to show the length (L) and width (W) and Height (H) dimension layout for a Wiring System Module.

Wiring System Example Dimension Layout



Notes:

Accessories

Accessories and Features

Fuse Holders



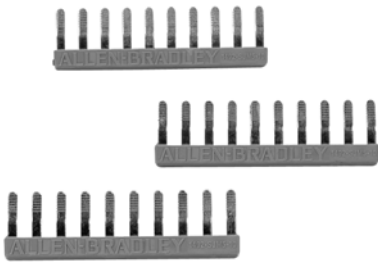
- For use with digital IFMs or analog AIFMs
- The 1492-IFMFH1 fuse holders accommodate either a 5 x 20 mm fuse or the Catalog Number 1492-ISOSW-1 isolation switch plug and reside in the IFM or AIFM under normal operation
- All fusible Bulletin 1492 IFMs and AIFMs come standard with fuse holders (for the number of fuse holders included, refer to the specifications for each IFM or AIFM)
- Replacement fuse holders (Catalog Number 1492-IFMFH1) are available in packages of 20
- Catalog Number 1492-IFMFH1 fuse holders are not compatible with fusible expandable relay XIMs

Isolation Plugs



- Catalog Number 1492-ISOSW-1 is an isolation switch or “dummy fuse” in a 5 x 20 mm fuse form factor
- The isolation switch plugs fit into the Catalog Number 1492-IFMFH1 fuse holders
- If fusing is not desired on a fusible IFM or AIFM, the Catalog Number 1492-ISOSW-1 isolating switch can be used to provide feed-through functionality under normal operation and isolation switch functionality once power has been removed from the circuit
- The isolation switch can then be opened for maintenance and troubleshooting
- Metering equipment can also be inserted into a two-wire transmitter circuit to measure input loop current
- The Catalog Number 1492-ISOSW-1 isolation switch plugs are available in packages of four

Insulated Side Jumpers



- Catalog Number 1492-SJM5-10 is a 10-pole “comb-style” insulated side jumper
- A side cutter can be used to cut the 10-pole jumper into smaller pole assemblies
- The jumper fits the field-side terminal spacings on all of the Bulletin 1492 IFMs and AIFMs
- Use of this jumper is a convenient means of connecting unused inputs together on the feed-through
- The Catalog Number 1492-SJM5-10 insulated side jumpers are available in packages of 10

Removable Terminal Blocks (RTBs)



- Select groups of standard, fused and relay digital Bulletin 1492 wiring system modules (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 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 Bulletin 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 (1492-RTB20N) or push-in style (1492-RTB16P) terminals and must be ordered separately
- All features available on fixed terminal block products, such as labels, are provided for removable terminal block wiring system modules

Replacement Relays

Relay Master or Expander Module Catalog Number	Replacement Relay Catalog Number
1492-XIM4024-16R	700-HK36Z24
1492-XIM4024-16RF	700-HK36Z24
1492-XIM4024-8R	700-HK36Z24
1492-XIM2024-8R	700-HK36Z24
1492-XIM2024-16R	700-HK36Z24
1492-XIM20120-8R	700-HK36A1
1492-XIM20120-16R	700-HK36A1
1492-XIM20120-16RF	700-HK36A1
1492-XIM24-8R	700-HK36Z24
1492-XIM24-16RF	700-HK36Z24
1492-XIM120-8R	700-HK36A1
1492-XIM2024TR-16R	700-TBR24 (pkg. qty. 20)
1492-XIM4024TR-32R	700-TBR24 (pkg. qty. 20)
1492-XIM2024TS-16R	700-TBS24 (pkg. qty. 20)
1492-XIM2024TS-32R	700-TBS24 (pkg. qty. 20)
Flexible Relay Module Expansion Cable	W2210106101

General Wiring System Specifications

Parameter	Specifications
Agency Certifications: Modules and Cables	cULus: Hazardous Locations; Class I Div 2 (all modules, except those with relays); Groups A, B, C, and D. Temperature Code T3C @ 60°C. UL File E10314, Guide No. NRAG
Agency Certification Modules	cULus: Ordinary Locations; Module with relays, UL File E113724, Guide No. NRAQ
CE Certifications	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
Maximum Peak Transient Voltage	Compliant for all applicable directives
Terminal Block Wire Range (Rated Cross Section)	600V ⁽¹⁾
Wire Strip Length	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...0.2 mm ²)
Fixed Screw Style Terminal Block Max No. of Wires per Terminal (Maximum number of the same gauge of wire stranded copper conductors allowed per wire funnel)	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 Torque	Max AWG #22, #20, #18: 3 wires Max AWG #16: 2 wires Max AWG #14, #12: 1 wire
Operating Temperature Range	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
Operating Humidity	0...60°C
Operating Vibration	5...95% non-condensing
Non operating Vibration	2.5 G at 10...2000 Hz
Operating Shock	5.0 G at 10...2000 Hz
Non operating Shock	15 G
Storage Temperature Cables	50 G
Storage Temperature Modules	-20...+80 °C
Pollution Degree	-40...+85 °C
	2 ⁽²⁾

(1) For transients > 600V use a UL Recognized suppression device rated at 2.5 kV withstand.

(2) Pollution Degree 2 is an environment where normally only non-conduction pollution occurs, except for occasional temporary conductivity that is caused by condensation shall be expected.

Maximum Wires Per Terminal

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

(1) Maximum number of the same gauge of wire stranded copper conductors allowed per wire funnel

Notes:

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation. You can view or download publications at rok.auto/literature.

Resource	Description
EtherNet/IP™ Network Devices User Manual, ENET-UM006	Describes how to configure and use EtherNet/IP devices to communicate on the EtherNet/IP network.
Ethernet Reference Manual, ENET-RM002	Describes basic Ethernet concepts, infrastructure components, and infrastructure features.
System Security Design Guidelines Reference Manual, SECURE-RM001	Provides guidance on how to conduct security assessments, implement Rockwell Automation products in a secure system, harden the control system, manage user access, and dispose of equipment.
UL Standards Listing for Industrial Control Products, publication CMPNTS-SR002	Assists original equipment manufacturers (OEMs) with construction of panels, to help ensure that they conform to the requirements of Underwriters Laboratories.
American Standards, Configurations, and Ratings: Introduction to Motor Circuit Design, publication IC-AT001	Provides an overview of American motor circuit design based on methods that are outlined in the NEC.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication IC-TD002	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication SGI-1.1	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
ProposalWorks™ configuration software, rok.auto/systemtools	Helps configure complete, valid catalog numbers and build complete quotes based on detailed product information.
Rockwell Automation Global SCCR tool, rok.auto/sccr	Provides coordinated high-fault branch circuit solutions for motor starters, soft starters, and component drives.
Product Certifications website, rok.auto/certifications	Provides declarations of conformity, certificates, and other certification details.

Important User Information

Solid-state equipment has operational characteristics differing from those of electromechanical equipment. Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls (publication [SGI-1.1](#) available from your local Rockwell Automation sales office or online at <http://www.rockwellautomation.com/literature/>) describes some important differences between solid-state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid-state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.

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