



Standard Feed-through and Standard LED Indicating Interface Modules

Traversée standard et modules d'interface d'indicateur DEL standard

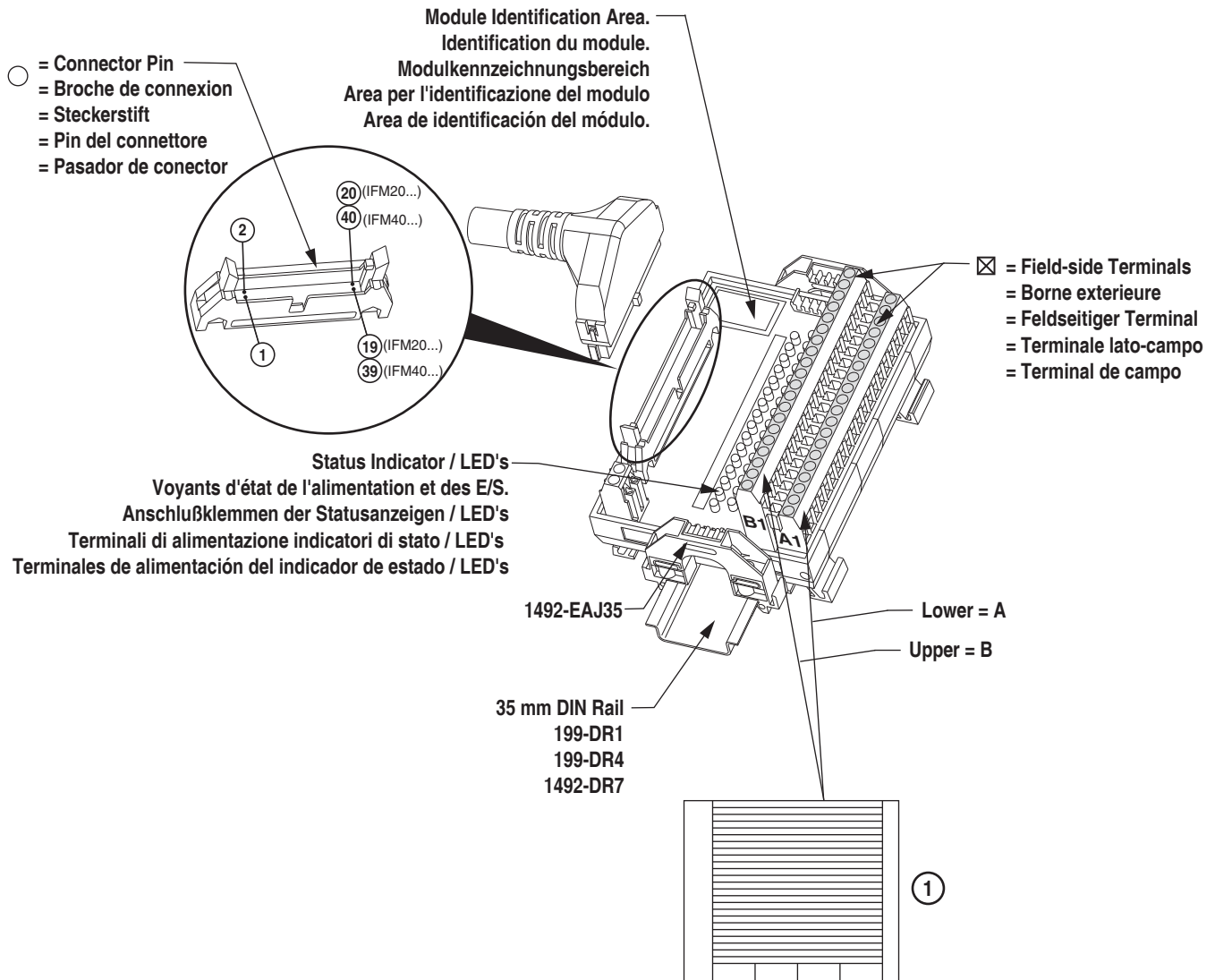
Schnittstellenmodule für standardmäßige Durchführung und LED-Anzeige

Moduli di interfaccia con connettori e indicatori LED standard

Pasante estándar y LED estándar que indica los módulos de interfaz

(Cat 1492-IFM20F, -RIFM20F, -IFM40F, -RIFM40F, -IFM20D24, -IFM40D24, -RIFM40D24, -IFM20D120, -IFM20FH, -RIFM20FH, -IFM40FH, -RIFM40FH)

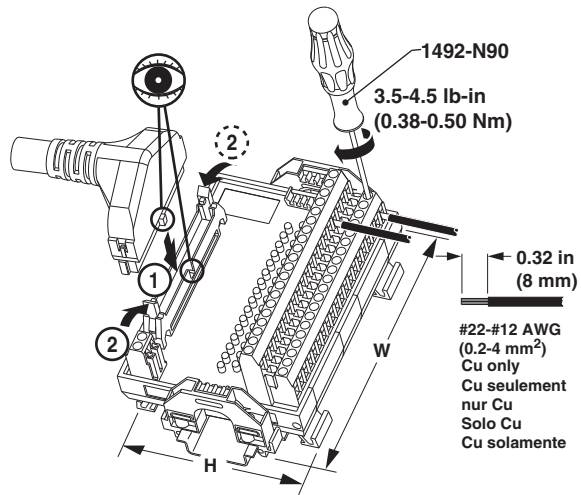
	WARNING	To prevent electrical shock, disconnect from power source before installing or servicing. FM Class 1, Div.2 requires device installation in a tool-accessible enclosure compliant with ANSI/ISA S82.
	AVERTISSEMENT	Avant le montage et la mise en service, couper l'alimentation secteur pour éviter toutes décharges. FM Classe 1, Div. 2 nécessite l'installation de l'équipement dans une armoire accessible aux interventions, conforme à ANSI/ISA S82.
	WARNUNG	Vor Installations- oder Servicearbeiten Strom-versorgung unterbrechen, um Elektroschocks zu vermeiden. FM-Klasse 1, Gruppe 2 erfordert die Installation des Gerätes in einem Gehäuse, das für Werkzeuge zugänglich ist und den Anforderungen gemäß ANSI/ISA S82 entspricht.
	AVVERTENZA	Per prevenire infortuni, togliere tensione prima dell'installazione o manutenzione. FM Classe 1, Divisione 2 richiede l'installazione del dispositivo in un alloggiamento con capacità di accesso per strumenti conforme allo standard ANSI/ISA S82.
	ADVERTENCIA	Desconéctese de la corriente eléctrica, antes de la instalación o del servicio, a fin de impedir sacudidas eléctricas. El requisito de FM (Factory Mutual) Clase 1, Div. 2, establece que el dispositivo debe instalarse en un envoltente que permita la introducción y uso de herramientas y cumpla con la norma ANSI/ISA S82.



- ① **Adhesive Label Card. Provides terminal wiring identification.**
Carte étiquette adhésive. Identifie le câblage des bornes.
Aufklebbare Etiketten zur Kennzeichnung der Klemmenverdrahtung.
Scheda etichette adesive. Fornisce l'identificazione del cablaggio dei terminali.
Tarjeta de etiquetas adhesivas. Proporciona identificación de cableado del terminal.

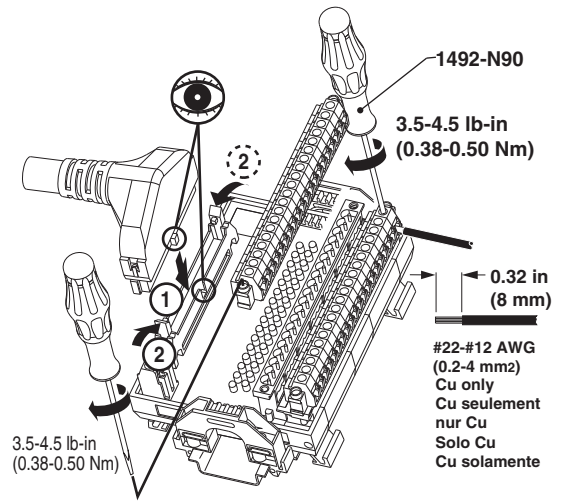
Module
 Installation / Removal
 Montage / Retrait
 Installation / Entfernen
 Montaggio / Smontaggio
 Instalación / Extracción

1492-IFM_



Removable Terminal Block
 Installation / Removal
 Montage / Retrait
 Installation / Entfernen
 Montaggio / Smontaggio
 Instalación / Extracción

1492-RIFM_



Cable Matrix
Matrice des câbles
Kabelmatrix
Matrice cavi
Matriz de cables

I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S	1492-IFM20F 1492-RIFM20F ^② 1492-IFM20FH 1492-RIFM20FH ^② ③	1492-IFM20D24 ③	1492-IFM20D120 ③
1746-IA16	1492-CABLE⊙A		1492-CABLE⊙A
1746-IB16	1492-CABLE⊙B	1492-CABLE⊙B	
1746-IC16	1492-CABLE⊙B		
1746-IG16	1492-CABLE⊙E		
1746-IH16	1492-CABLE⊙B		1492-CABLE⊙B
1746-IM16	1492-CABLE⊙A		
1746-IN16	1492-CABLE⊙B	1492-CABLE⊙B	
1746-ITB16	1492-CABLE⊙B	1492-CABLE⊙B	
1746-ITV16	1492-CABLE⊙B	1492-CABLE⊙B	
1746-IV16	1492-CABLE⊙B	1492-CABLE⊙B	
1746-OA16	1492-CABLE⊙C		1492-CABLE⊙C
1746-OB16	1492-CABLE⊙E	1492-CABLE⊙E	
1746-OB16E	1492-CABLE⊙E	1492-CABLE⊙E	
1746-OBP16	1492-CABLE⊙E	1492-CABLE⊙E	
1746-OG16	1492-CABLE⊙E		
1746-OV16	1492-CABLE⊙E	1492-CABLE⊙E	
1746-OVP16	1492-CABLE⊙E	1492-CABLE⊙E	
1746-OW16	1492-CABLE⊙D	1492-CABLE⊙D	1492-CABLE⊙D
1746-OX8	1492-CABLE⊙D		
1756-IARD	1492-CABLE⊙U		1492-CABLE⊙U
TC-IDX081	1492-HWCAB⊙U		1492-HWCAB⊙U
1756-IA16	1492-CABLE⊙X		1492-CABLE⊙X
TC-IDA161	1492-HWCAB⊙X		1492-HWCAB⊙X
1756-IB16	1492-CABLE⊙X	1492-CABLE⊙X	
TC-IDD161	1492-HWCAB⊙X	1492-HWCAB⊙X	
1756-IC16	1492-CABLE⊙X		
TC-IDE161	1492-HWCAB⊙X		
1756-IN16	1492-CABLE⊙X	1492-CABLE⊙X	
1756-IV16	1492-CABLE⊙X	1492-CABLE⊙X	
1756-OA8	1492-CABLE⊙U		
TC-ODC081	1492-HWCAB⊙U		
1756-OARD	1492-CABLE⊙U		
TC-ODX081	1492-HWCAB⊙U		
1756-OA8E	1492-CABLE⊙U		
1756-OA16	1492-CABLE⊙X		
TC-ODA161	1492-HWCAB⊙X		
1756-OB8	1492-CABLE⊙U		
TC-ODD081	1492-HWCAB⊙U		
1756-OB16E	1492-CABLE⊙X	1492-CABLE⊙X	
TC-ODD161	1492-HWCAB⊙X	1492-HWCAB⊙X	
1756-OV16E	1492-CABLE⊙X	1492-CABLE⊙X	
1756-OC8	1492-CABLE⊙U		
TC-ODE081	1492-HWCAB⊙U		
1756-ON8	1492-CABLE⊙U		
1769-IA8I	1492-CAB⊙F69		
1769-IA16	1492-CAB⊙A69		1492-CAB⊙A69
1769-IM12	1492-CAB⊙G69		
1769-IQ16	1492-CAB⊙B69	1492-CAB⊙B69	
1769-IQ16F	1492-CAB⊙B69	1492-CAB⊙B69	
1769-OA8	1492-CAB⊙C69		
1769-OB8	1492-CAB⊙L69		
1769-OB16	1492-CAB⊙E69	1492-CAB⊙E69	
1769-OV16	1492-CAB⊙E69	1492-CAB⊙E69	
1769-OW8	1492-CAB⊙C69		
1769-OW8I	1492-CAB⊙D69		
1769-OA16	1492-CAB⊙M69		1492-CAB⊙M69
1769-OW16	1492-CAB⊙M69	1492-CAB⊙M69	1492-CAB⊙M69
1771-IAD	1492-CABLE⊙F	1492-CABLE⊙F	
1771-IBD	1492-CABLE⊙F	1492-CABLE⊙F	
1771-ICD	1492-CABLE⊙F	1492-CABLE⊙F	
1771-IGD	1492-CABLE⊙F		
1771-IMD	1492-CABLE⊙F		
1771-IND	1492-CABLE⊙F	1492-CABLE⊙F	
1771-OAD	1492-CABLE⊙F	1492-CABLE⊙F	
1771-OBDD	1492-CABLE⊙FF	1492-CABLE⊙FF	
1771-OBDD	1492-CABLE⊙FF	1492-CABLE⊙FF	
1771-OGD	1492-CABLE⊙F		
1771-OMD	1492-CABLE⊙F		
1771-OND	1492-CABLE⊙F	1492-CABLE⊙F	
1771-OND	1492-CABLE⊙FF	1492-CABLE⊙FF	
1764-24AWA (OUT)	1492-CAB⊙C64		
1764-24BWA (OUT)	1492-CAB⊙C64		
1764-28BWB (OUT)	1492-CAB⊙F64		
1764-24AWA (IN)	1492-CAB⊙A64		
1764-24BWA (IN)	1492-CAB⊙A64		
1764-28BWB (IN)	1492-CAB⊙B64		
1794-IB16	1492-CAB⊙A94		
1794-IB8	1492-CAB⊙A94		
1794-IB10XOB6	1492-CAB⊙A94		
1794-IV16	1492-CAB⊙A94		
1794-OB8	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OB8EP	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OB16	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OB16P	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OV16	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OV16P	1492-CAB⊙A94	1492-CAB⊙A94	
1794-OW8	1492-CAB⊙A94		
PowerFlex 700H with 20C-DA1-A Board	1492-CAB⊙A7H		
PowerFlex 700H with 20C-DA1-B Board	1492-CAB⊙B7H		
PowerFlex 700S	1492-CAB⊙A7S		

I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S	1492-IFM40F 1492-RIFM40F ^② 1492-IFM40FH 1492-RIFM40FH ^② ③	1492-IFM40D24 1492-RIFM40D24 ^② ③
1746-IB32	1492-CABLE⊙H	1492-CABLE⊙H
1746-IV32	1492-CABLE⊙H	1492-CABLE⊙H
1746-OB32	1492-CABLE⊙H	1492-CABLE⊙H
1746-OB32E	1492-CABLE⊙H	1492-CABLE⊙H
1746-OV32	1492-CABLE⊙H	1492-CABLE⊙H
1756-IA16I	1492-CABLE⊙Y	
TC-IDK161	1492-HWCAB⊙Y	
1756-IB16D	1492-CABLE⊙Y	
TC-IDX161	1492-HWCAB⊙Y	
1756-IB16I	1492-CABLE⊙Y	
TC-IDJ161	1492-HWCAB⊙Y	
1756-IA32	1492-CABLE⊙Z	
1756-IB32	1492-CABLE⊙Z	1492-CABLE⊙Z
TC-IDD321	1492-HWCAB⊙Z	1492-HWCAB⊙Z
1756-IV32	1492-CABLE⊙Z	1492-CABLE⊙Z
1756-IH16I	1492-CABLE⊙Y	
TC-IDF161	1492-HWCAB⊙Y	
1756-OA16I	1492-CABLE⊙Y	
TC-ODK161	1492-HWCAB⊙Y	
1756-OB8E1	1492-CABLE⊙Y	
1756-OB16D	1492-CABLE⊙Y	
TC-ODX161	1492-HWCAB⊙Y	
1756-OB16I	1492-CABLE⊙Y	
TC-ODJ161	1492-HWCAB⊙Y	
1756-OB32	1492-CABLE⊙Z	1492-CABLE⊙Z
TC-ODD321	1492-HWCAB⊙Z	1492-HWCAB⊙Z
1756-OV32E	1492-CABLE⊙Z	1492-CABLE⊙Z
1756-OH8I	1492-CABLE⊙Y	
TC-ODF081	1492-HWCAB⊙Y	
1756-OW16I	1492-CABLE⊙Y	
TC-ORC161	1492-HWCAB⊙Y	
1756-OX8I	1492-CABLE⊙Y	
TC-ORC081	1492-HWCAB⊙Y	
1769-IQ32	1492-CAB⊙J69	1492-CAB⊙J69
1769-IQ32T	1492-CABLE⊙H	1492-CABLE⊙H
1769-OB32	1492-CAB⊙K69	1492-CAB⊙K69
1769-OB32T	1492-CABLE⊙H	1492-CABLE⊙H
1769-OV32T	1492-CABLE⊙H	1492-CABLE⊙H
1771-IAN	1492-CABLE⊙J	
1771-IBN	1492-CABLE⊙J	1492-CABLE⊙J
1771-ID16	1492-CABLE⊙M	
1771-IQ16	1492-CABLE⊙M	
1771-IVN	1492-CABLE⊙K	1492-CABLE⊙K
1771-OAN	1492-CABLE⊙L	
1771-OBN	1492-CABLE⊙L	1492-CABLE⊙L
1771-OD16	1492-CABLE⊙M	
1771-ODD	1492-CABLE⊙M	
1771-OQ16	1492-CABLE⊙M	
1771-OVN	1492-CABLE⊙L	1492-CABLE⊙L
1771-OW16	1492-CABLE⊙R	
1771-OWN	1492-CABLE⊙L	1492-CABLE⊙L
1771-OWNA	1492-CABLE⊙L	1492-CABLE⊙L
1762-L40AWA (OUT)	1492-CAB⊙B62	
1762-L40BWA (OUT)	1492-CAB⊙B62	
1762-L40BWB (OUT)	1492-CAB⊙B62	
1762-L40AWA (IN)	1492-CAB⊙A62	
1762-L40BWA (IN)	1492-CAB⊙A62	
1762-L40BWB (IN)	1492-CAB⊙A62	
1794-IB16D	1492-CAB⊙B94	
1794-IB16XOB16P	1492-CAB⊙B94	
1794-IB32	1492-CAB⊙B94	1492-CAB⊙B94
1794-OB32P	1492-CAB⊙B94	1492-CAB⊙B94

① Cables are available in 0.5m, 1.0m, 2.5m and 5.0m lengths (005=0.5m, 010=1.0m, 025=2.5m, 050=5.0m). Custom length cables also available. Contact local Sales Office for more information.

Câbles disponibles en 0,5m, 1,0m, 2,5m et 5,0m de longueur (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Câbles sur mesure à la demande. Contactez le bureau le plus proche.

Verfügbare Kabellängen 0,5m, 1,0m, 2,5m und 5,0m (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m).

Anwenderspezifische Längen stehen ebenfalls zur Verfügung. Kontaktieren Sie bitte Ihr lokales Vertriebsbüro für weitere Informationen.

I cavi sono disponibili in lunghezze di 0,5m, 1,0m, 2,5m e 5,0m (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Sono disponibili anche cavi su misura. Per ulteriori informazioni, contattare l'ufficio vendite locale.

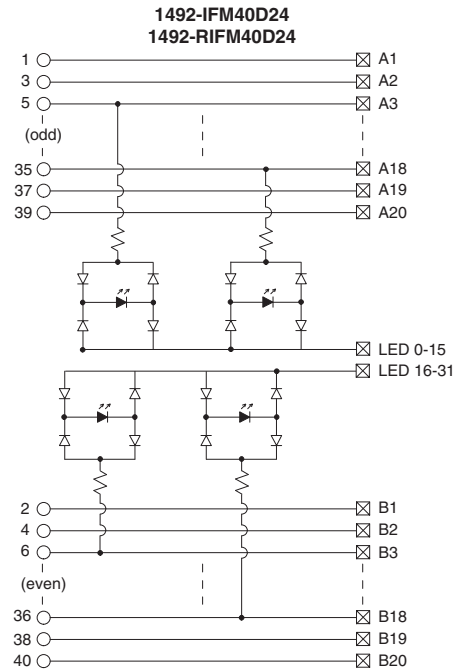
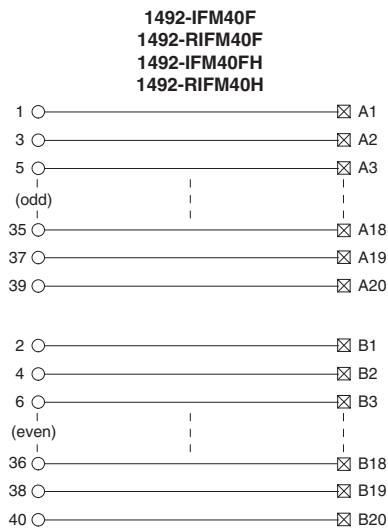
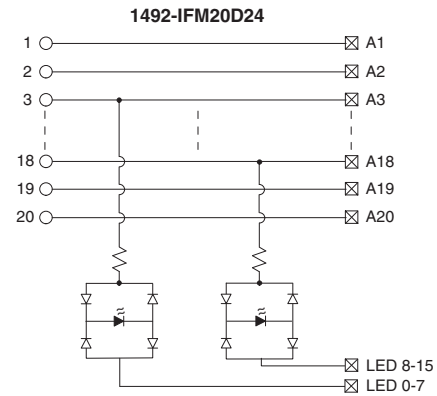
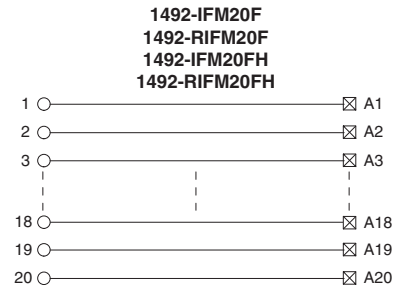
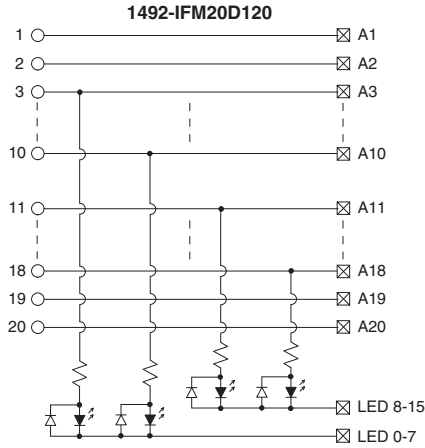
Cables disponibles en longitudes de 0,5m, 1,0m, 2,5m, 5,0m (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Hay disponibles cables de varias longitudes. Para más información comuníquese con la oficina de ventas.

② Supports Removable Terminal Block (RTB) plug. Compatible screw style plug, 1492-RTB20N (pkg. qty. 2). Compatible push-in style plug 1492-RTB20P (pkg. qty. 2). Order plugs separately.

③ Cable is limited for use within the control panel unless it is run through conduit. Cable is ITC (Instrumentation Tray Cable) rated.

④ Cables are also available in 26 AWG versions. Catalog numbers include a 26 at the end. (Example: 1492-CABLE⊙X26)

Pinout
Brochage
Anschlußbelegung
Disposizione
dei piedini
Esquema de pins



I/O Wiring Data

NOTICE

Wiring information for your I/O module, AIFM module and cable (e.g. wiring diagram and pinouts) are available online at www.rockwellautomation.com/en/e-tools. To obtain information follow this procedure.

- 1) In the Catalog Number BOX at the above online site type in the catalog number of the IFM, AIFM, etc. module you are using and click on Submit.
- 2) At the next screen displayed, click on the Modify key (lower left of screen).
- 3) Click on the areas that indicate NO SELECTION and enter your specific configuration information (e.g. I/O platform, I/O MODULE, ETC.).
NOTE: To obtain the wiring diagram, you must select the Pre-Wired Cable Connector selection.
- 4) Configure your 1492 cable by filling in the NO SELECTION areas.
- 5) Click on the ACCEPT key for the configured 1492 cable. At the next screen click on ACCEPT for the 1492 module.
- 6) The next screen (Configuration Results) displays the results of your specific configuration. The "supplementary Documents" column contains I/O wiring information for the configuration (e.g. I/O Wiring Diagrams).

Specifications
Spécifications

Technische Daten
Specifiche

Especificaciones

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Voltage Range Tension Spannung Tensione Voltaje	Max. Current/Circuit Max. Courant/Circuit Max. Strom/Schaltkreis Max. Corrente/circuito Max. Intensidad/circuito	Max. Current/Module Max. Courant/Module Max. Strom/Modul Max. Corrente/modulo Max. Intensidad/módulo	Indicator Circuit Current Courant circuit voyants Strom, Anzeigeschaltkreis Corrente circuito indicatori Intensidad del circuito de indicadores	Maximum Recurring Peak Voltage ② Tension de crele réurrente maximale Maximale periodische Hochstspannung Tensione massima di cresta ricorrente Voltaje de cresta iterativo máximo
1492-IFM20F, -RIFM20F	0-264 V AC/DC	2 Amps	12 Amps	N/A	600 V _p ②
1492-IFM20D24	10-30 V AC/DC			2.0mA	
1492-IFM20D120	85-132 V AC/DC			2.5mA	
1492-IFM40F, -RIFM40F	0-132 V AC/DC			N/A	
1492-IFM40D24, -RIFM40D24	10-30 V AC/DC			2.0mA	
1492-IFM20FH	0-132 V AC/DC	2 Amps	12 Amps	N/A	600 V _p ②
1492-RIFM20FH	0-132 V AC/DC				
1492-IFM40FH	0-132 V AC/DC				
1492-RIFM40FH	0-132 V AC/DC				

Ratings when used with 1762-L40AWA, 1762-L40BWA output. (For inputs use 2 Amps current per circuit.)

1492-IFM40F, -RIFM40F	0-132 VAC	Out 0 - 3, 2 Amps	12 Amps	N/A	600 V _p ②
	10-125 VDC	Out 4 - 15, 1 Amp			

Ratings when used with 1762-L40BXB output. (For inputs use 2 Amps current per circuit.)

1492-IFM40F, -RIFM40F	0-132 VAC	Out 0, 1, 10, 11, 2 Amps	12 Amps	N/A	600 V _p ②
	10-125 VDC	Out 12 - 15, 1 Amp			
	24 VDC	Out 2 - 9, 0.5 Amps			

Ratings when used with 1764-24AWA, 1762-24BWA output. (For inputs use 2 Amps current per circuit.)

1492-IFM20F, -RIFM20F	0-264 VAC	Out 0 - 3, 2 Amps	12 Amps	N/A	600 V _p ②
	10-125 VDC	Out 4 - 11, 1 Amp			

Ratings when used with 1764-28BXB output. (For inputs use 2 Amps current per circuit.)

1492-IFM20F, -RIFM20F	0-264 VAC	Out 0 - 1, 2 Amps	12 Amps	N/A	600 V _p ②
	10-125 VDC	Out 8 - 11, 1 Amp			
	24 VDC	Out 2 - 7, 0.5 Amps			

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Operating Temperature Range Plage températures de fonctionnement Betriebsbereich Limiti temperatura di funzionamento Rango de temperatura de funcionamiento	Operating Humidity Humidité relative Betriebsluftfeuchtigkeit Umidità di esercizio Humedad operativa	Approx. Shipping Weight Poids d'embarquement approximatif Ungefähres Versandgewicht Peso approssimativo del carico Peso aproximado al momento de embarque	Dimensions Dimensions Abmessungen Dimensioni Dimensiones			Standards Normes Standards Standard Estándares
				Width	Height	Depth	
1492-IFM20F, -RIFM20F	0° C - 60° C	5 - 95 % ⑤	0.62 lb. (278 g.)	4.33 in. (110mm) ⑥	3.27 in. (83mm)	2.78 in. (70.5mm)	cULus (File: E10314, Guide No. Nrag) Suitable for use in Class 1 Div 2 Groups A, B, C and D Hazardous and Non-Hazardous Locations. Temperature Code = T3C at 60°C ④ CE: Compliant for all applicable directives FM Class 1 Div 2 Groups A, B, C and D Temperature Rating T3C = 60°C (J.I. 3000590)
1492-IFM20FH, -RIFM20FH ⑥				4.72 in. (120mm)	2.78 in. (70.5mm)		
1492-IFM20D24				4.33 in. (110mm)	3.27 in. (83mm)		
1492-IFM20D120				4.33 in. (110mm)	3.27 in. (83mm)		
1492-IFM40F, -RIFM40F				4.33 in. (110mm) ⑥	3.27 in. (83mm)		
1492-IFM40FH, -RIFM40FH ⑥				4.72 in. (120mm)	2.78 in. (70.5mm)		
1492-IFM40D24, -RIFM40D24				4.33 in. (110mm) ⑥	3.27 in. (83mm)		

② For transients > 600 Vp use a UL recognized suppression device rated at 2.5 kV withstand.

Pour des transitoires > 600 Vp utilisez un dispositif de suppression certifié UL à 2,5 kV nominal de tenue.

Für Einschaltstöße > 600 Vp verwenden Sie einen UL anerkannten Entstör器, der bewertet wurde bei 2,5 kV standzuhalten.

Per transitori > 600 Vp usare dispositivo di soppressione riconosciuto da UL capace di sopportare 2,5 kV.

Para transitorios > 600 Vp use un dispositivo de supresión reconocido UL clasificado con 2,5 kV.

③ Non-condensing
Sans condensation
Nicht kondensierend
Senza condensa
sin condensación

④ Power, input and output (I/O) wiring must be in accordance with Class I Division 2 wiring methods - Article 501-10(B)(1) of the National Electrical Code.



WARNING

Explosion Hazard - substitution of components may impair suitability for Class I Division 2.

Explosion Hazard - Do Not Disconnect Equipment unless power has been switched off or the area is known to be Non-Hazardous.

⑥ Add 0.39 in. to the width dimension for 1492-Rxx type modules.

⑥ No FM certification for this type of modules

SURGE SUPPRESSION follow the literature recommendations of the PLC module being used.

SUPPRESSION DES SURTENSIONS se trouve à la suite de la littérature qui contient les recommandations relatives au module PLC utilisé.

ÜBERSpannungsschutz Bitte beachten Sie die Dokumentationsempfehlungen für das jeweils benutzte SPS-Modul.

Per la **SOPPRESSIONE DEI PICCHI TEMPORANEI**, seguire le istruzioni riportate nella documentazione in dotazione al Modulo PLC utilizzato.

SUPRESIÓN DE SOBRETENSIÓN, siga las recomendaciones indicadas en la documentación del módulo PLC respectivo.

Reference Publications: Refer to 1770-4.1 and appropriate PLC I/O module installation manual.