



Fusible Interface Module

Module d'interface à fusible

Schnittstellenmodul mit Sicherung

Modulo di interfaccia con fusibili

Módulo de interface con fusible

(Cat 1492-IFM20F-F24A-2, -RIFM20F-F24A-2, -IFM20F-F120A-2, -RIFM20F-F120A-2)

	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 envolvente que permita la introducción y uso de herramientas y cumpla con la norma ANSI/ISA S82.

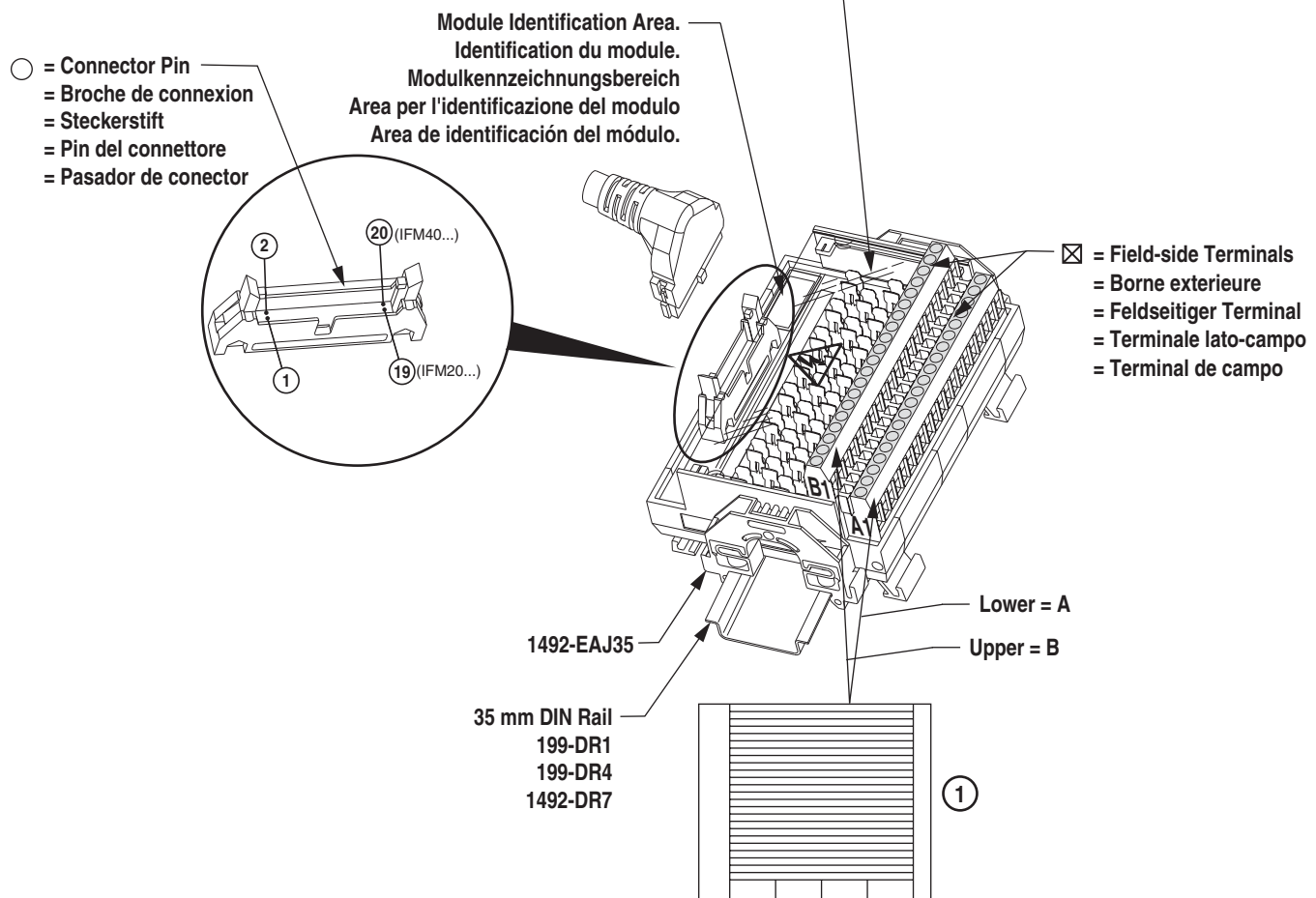
Fuse Clips and Blown Fuse Indicators: See page 3 for fuse installation/removal.

Porte-fusibles et voyants de fusibles grillés: voir page 3 l'installation et le retrait des fusibles.

Sicherungshalterungen und Anzeige einer durchgebrannten Sicherung. Ein-und Ausbau der Sicherung siehe Seite 3.

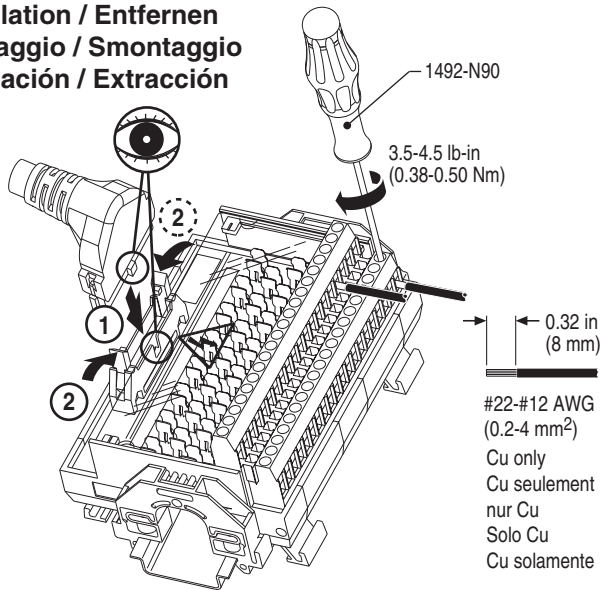
Morsetti dei fusibili e indicatori dei fusibili bruciati: vedere il montaggio/smontaggio dei fusibili a pagina 3.

Sujetadores de fusibles e indicadores de fusible fundido: Vea la página 3 para obtener información sobre la instalación/extracción de fusibles.



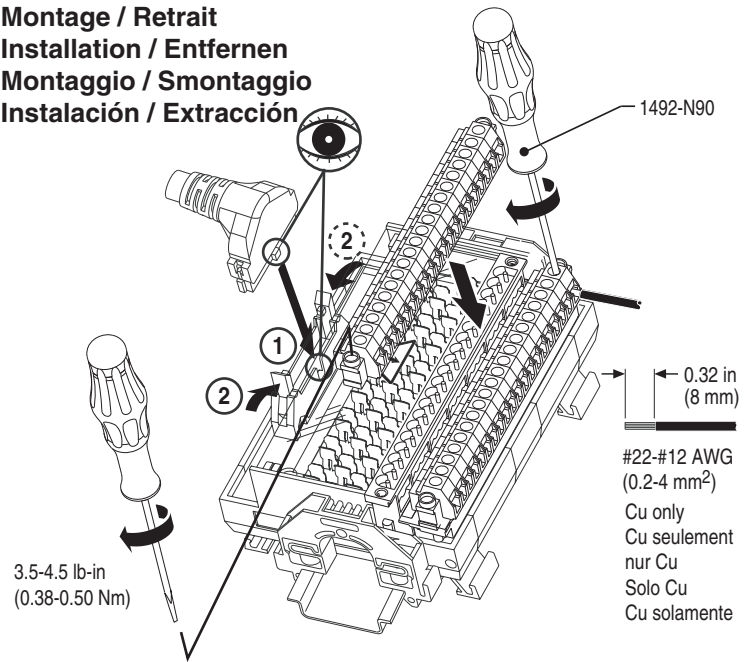
- ① Adhesive Label Card. Provides terminal wiring identification and LED labels.
Carte étiquette adhésive. Identifie le câblage des bornes et les étiquettes des LED.
Aufklebbare Etiketten zur Kennzeichnung der Klemmenverdrahtung und LED-Anzeigen.
Scheda etichette adesive. Fornisce l'identificazione del cablaggio dei terminali e le etichette LED.
Tarjeta de etiquetas adhesivas. Proporciona identificación de cableado del terminal y etiquetas para los indicadores LED.

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



Applies to modules with fixed and removable (R) terminal block

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



Applies to modules with removable terminal block plugs (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-F24A-2 1492-RIFM20F-F24A-2②	1492-IFM20F-F120A-2 1492-RIFM20F-F120A-2②
	③	③
1746-IA16		1492-CABLEⓐA
1746-IB16	1492-CABLEⓐB	
1746-IH16		1492-CABLEⓐB
1746-IN16	1492-CABLEⓐB	
1746-ITB16	1492-CABLEⓐB	
1746-OV16	1492-CABLEⓐE	
1746-OVP16	1492-CABLEⓐE	
1756-IA16		1492-CABLEⓐX
TC-IDA161		1492-HWCABⓐX
1756-IB16	1492-CABLEⓐX	
TC-IDD161	1492-HWCABⓐX	
1756-IN16	1492-CABLEⓐX	
1756-IV16	1492-CABLEⓐX	
1769-IA16		1492-CABⓐA69
1769-IQ16	1492-CABⓐB69*	
1769-IQ16F	1492-CABⓐB69*	
1769-OV16	1492-CABⓐE69	
1771-IAD		1492-CABLEⓐF
1771-IBD	1492-CABLEⓐF	
1771-ICD	1492-CABLEⓐF	
1771-IND	1492-CABLEⓐF	
1794-IB16	1492-CABⓐA94	
1794-IB8	1492-CABⓐA94	

*1769-IQ16, 1769-IQ16F I/O SINK MODE ONLY

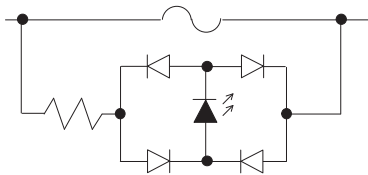
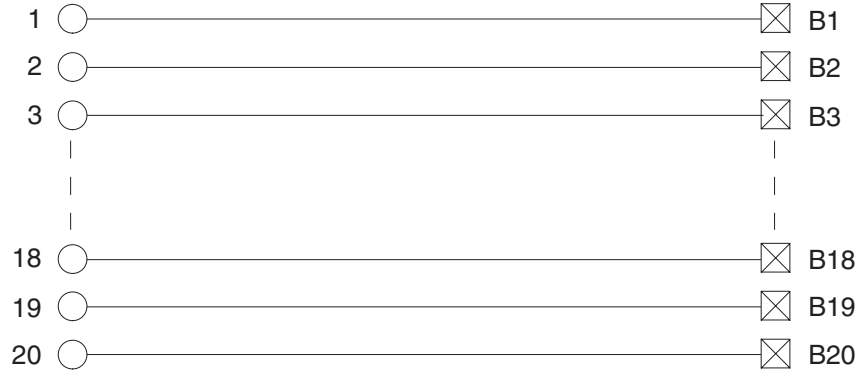
- ① Cables are available in 0.5m, 1.0m, 2.5m and 5.0m lengths (005=0.5m, 010=1.0m, 025=2.5m, 050=5.0m). Custom length cables also available. Contact local Sales Office for more information.
Câbles disponibles en 0,5m, 1,0m, 2,5m et 5,0m de longueur (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Câbles sur 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.

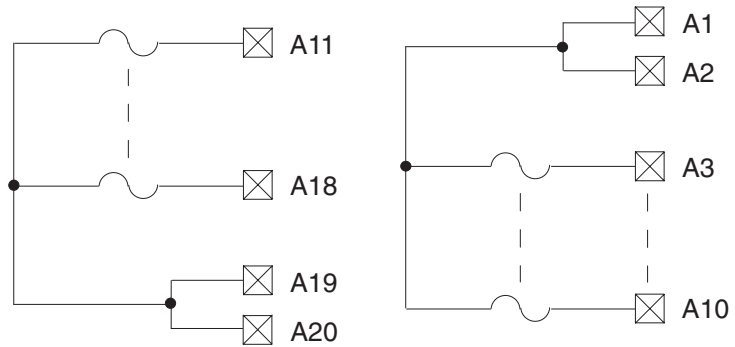
- ③ Cable is limited for use within the control panel unless it is run through conduit. Cable is ITC (Instrumentation Tray Cable) rated.

Pinout
Brochage
Anschlußbelegung
Disposizione dei piedini
Esquema de pins

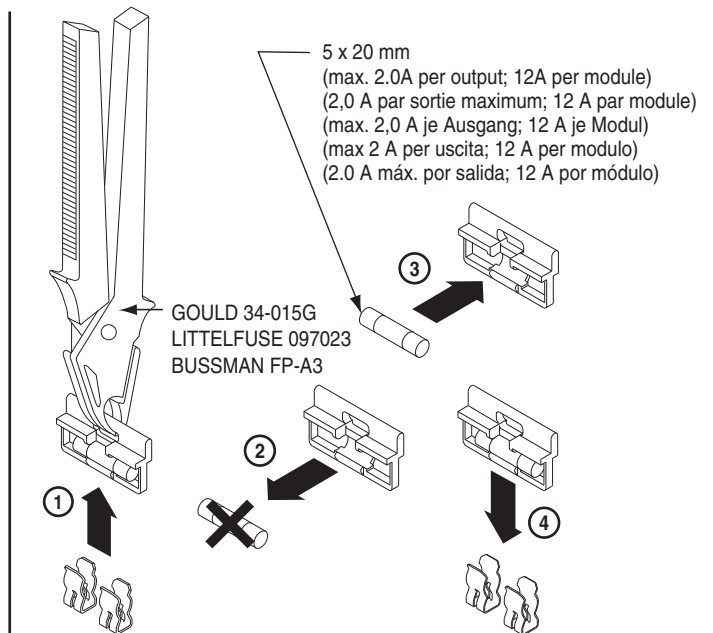
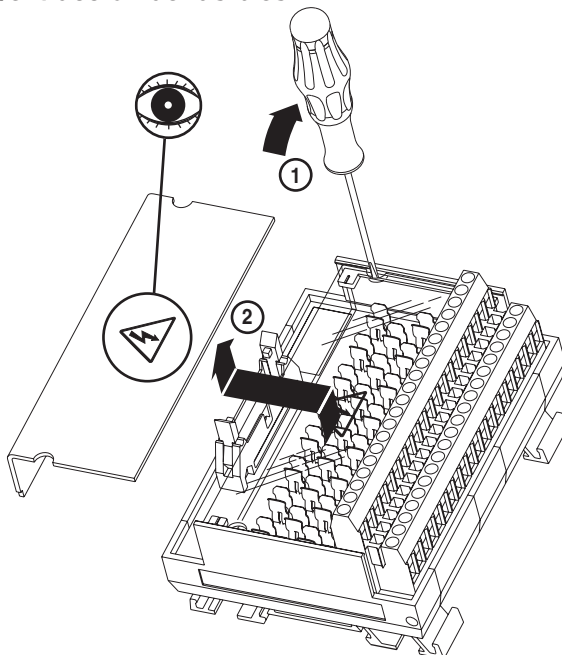
1492-IFM20F-F24A-2
1492-RIFM20F-F24A-2
1492-IFM20F-F120A-2
1492-RIFM20F-F120A-2



Blown Fuse Indicator Circuit
Circuit du voyant de rupture de fusible
Anzeigeschaltung für durchgebrannte Sicherung
Indicatore dei fusibili bruciati
Circuito del indicador de fusible fundido



Fuse Installation/Removal
Installation/retrait des fusibles
Ein- und Ausbau der Sicherung
Montaggio/smontaggio dei fusibili
Instalación/extracción de fusibles



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 filing 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 Specifische

Especificaciones

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Voltage Tension Spannung Tensione Voltaje	Current/Circuit Courant/Circuit Strom/Schaltkreis Corrente/circuito Intensidad/circuito	Current/Module Courant/Module Strom/Modul Corrente/modulo Intensidad/módulo	Indicator Circuit Current Courant circuit voyants Strom, Anzeigeschaltkreis Corrente circuito indicatori Intensidad del circuito de indicadores	Operating Temperature Range Plage températures de fonctionnement Betriebstemperaturbereich Limiti temperatura di funzionamento Rango de temperatura de funcionamient
1492-IFM20F-F24A-2 1492-RIFM20F-F24A-2 1492-IFM20F-F120A-2 1492-RIFM20F-F120A-2	10-30V AC/DC 85-132V AC/DC	2 Amps	12 Amps	2.4 mA 1.2 mA	0° C - 60° C

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Maximum Recurring Peak Voltage ② Tension de crele réurrente maximale Maximale periodische Höchstspannung Tensione massima di cresta ricorrente Voltaje de cresta iterativo máximo	Humidity Humidité Feuchtigkeit Humedad Umidità	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
1492-IFM20F-F24A-2 1492-RIFM20F-F24A-2 1492-IFM20F-F120A-2 1492-RIFM20F-F120A-2	600 V _p ②	5 - 95% ③	.72 lb. (343 g.)	⑤ 4.33 in. (110 mm) W 3.27 in. (83 mm) H 2.78 in (70.5 mm) D	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, all except relay modules)

- ② For transients > 600 V_p use a UL recognized suppression device rated at 2.5 kV withstand.
Pour des transitoires > 600 V_p utilisez un dispositif de suppression certifié UL à 2,5 kV nominal de tenue.
Für Einschaltstöße > 600 V_p verwenden Sie einen UL anerkannten Entstörer, der bewertet wurde bei 2,5 kV standzuhalten.
Per transitori > 600 V_p usare dispositivo di soppressione riconosciuto da UL capace di sopportare 2,5 kV.
Para transitorios > 600 V_p 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.

- ⑤ Add 0.39 in. to the width dimension for 1492-Rxx type 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.