



Narrow Standard Interface Modules

Modules Etroits d'interface Standard

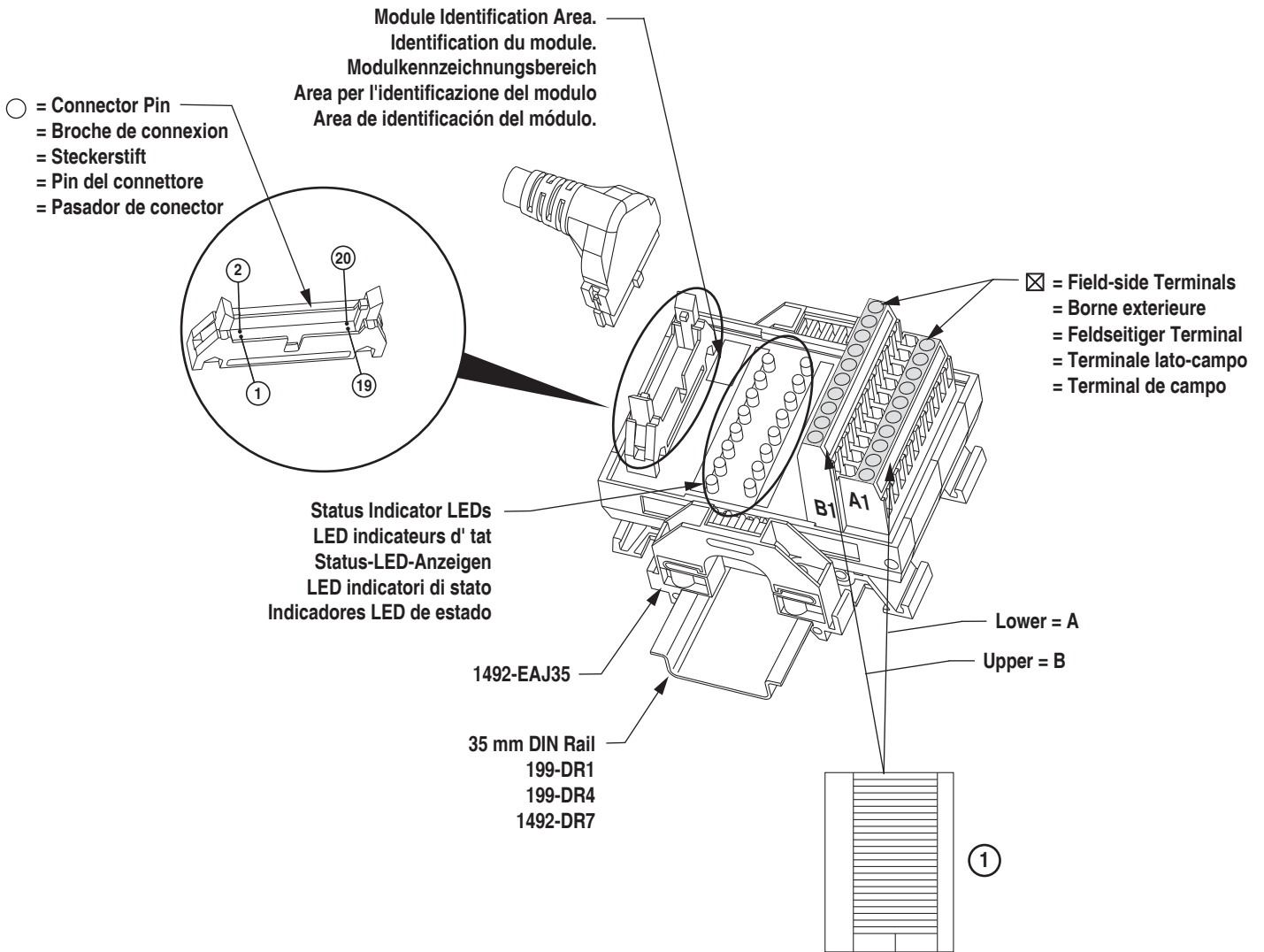
Schmale Standard-Schnittstellenmodule

Moduli Ridotti per Interfaccia Standard

Módulos Estrechos de Interface Estándar

(Cat 1492-IFM20FN, -RIFM20FN, -IFM20D24N, -IFM20D120N, -IFM20FNH, -IFM20FNH)

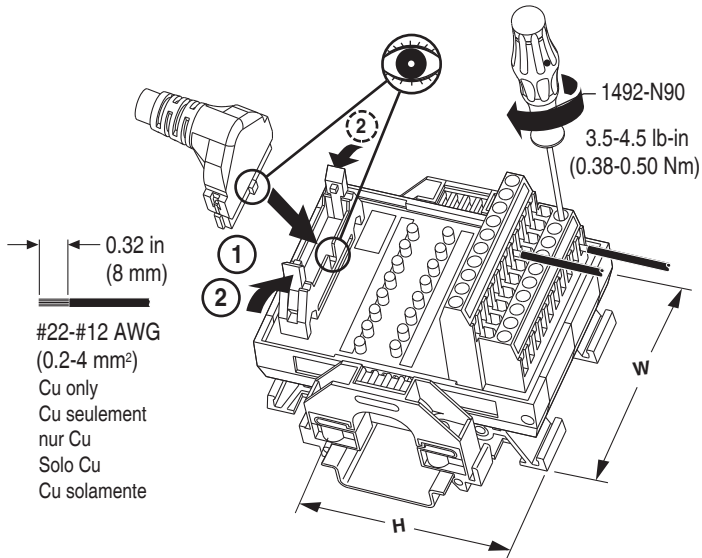
	WARNING	To prevent electrical shock, disconnect from power source before installing or servicing. FM Class 1, Div.2 requires device installation in a tool-accessible enclosure compliant with ANSI/ISA S82.
	AVERTISSEMENT	Avant le montage et la mise en service, couper l'alimentation secteur pour éviter 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.



- 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.

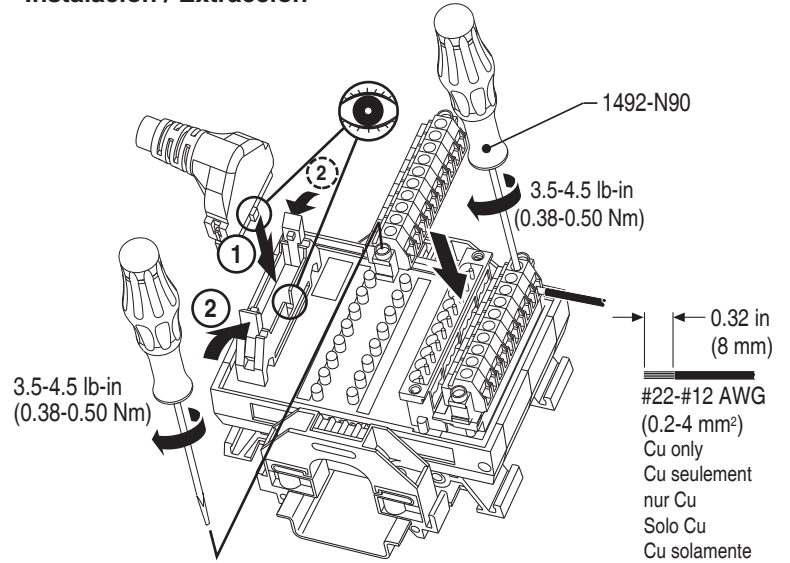
1492-IFM_

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



1492-RIFM_

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



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-IFM20FN 1492-RIFM20FN ^③ 1492-IFM20FNH 1492-RIFM20FNH ^③ ④	1492-IFM20D24N ④	1492-IFM20D120N ④	I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S	1492-IFM20FN 1492-RIFM20FN ^③ 1492-IFM20FNH 1492-RIFM20FNH ^③ ④	1492-IFM20D24N ④	1492-IFM20D120N ④
1746-IA16	1492-CABLEⓐA		1492-CABLEⓐA	1769-OW8	1492-CABⓐC69		
1746-IB16	1492-CABLEⓐB	1492-CABLEⓐB		1769-OA16	1492-CABⓐM69		1492-CABⓐH69 ^②
1746-IC16	1492-CABLEⓐB			1769-OW16	1492-CABⓐM69	1492-CABⓐH69 ^②	1492-CABⓐH69 ^②
1746-IG16	1492-CABLEⓐE			1771-IAD	1492-CABLEⓐF		1492-CABLEⓐF
1746-IH16	1492-CABLEⓐB			1771-IBD	1492-CABLEⓐF	1492-CABLEⓐF	
1746-IN16	1492-CABLEⓐB	1492-CABLEⓐB		1771-ICD	1492-CABLEⓐF	1492-CABLEⓐF	
1746-ITB16	1492-CABLEⓐB	1492-CABLEⓐB		1771-IGD	1492-CABLEⓐF		
1746-ITV16	1492-CABLEⓐB	1492-CABLEⓐB		1771-IND	1492-CABLEⓐF	1492-CABLEⓐF	
1746-IV16	1492-CABLEⓐB	1492-CABLEⓐB		1771-OAD	1492-CABLEⓐFF	1492-CABLEⓐFF	1492-CABLEⓐFF
1746-OA16	1492-CABLEⓐG		1492-CABLEⓐG		1492-CABLEⓐFF	1492-CABLEⓐFF	1492-CABLEⓐFF
1746-OB16	1492-CABLEⓐE	1492-CABLEⓐE		1771-OBD	1492-CABLEⓐFF	1492-CABLEⓐFF	
1746-OB16E	1492-CABLEⓐE	1492-CABLEⓐE			1492-CABLEⓐFF	1492-CABLEⓐFF	
1746-OBP16	1492-CABLEⓐE	1492-CABLEⓐE		1771-OGD	1492-CABLEⓐF		
1746-OG16	1492-CABLEⓐE				1492-CABLEⓐFF	1492-CABLEⓐFF	
1746-OV16	1492-CABLEⓐE			1771-OND	1492-CABLEⓐF	1492-CABLEⓐF	
1746-OVP16	1492-CABLEⓐE				1492-CABLEⓐFF	1492-CABLEⓐFF	
1746-OW16	1492-CABLEⓐN	1492-CABLEⓐN	1492-CABLEⓐN	1764-24AWA	1492-CABⓐC64		
1746-OX8	1492-CABLEⓐN			1764-24BWA	1492-CABⓐC64		
1756-IA8D	1492-CABLEⓐU		1492-CABLEⓐU	1764-28BxB	1492-CABⓐF64		
TC-IDX081	1492-HWCABⓐU		1492-HWCABⓐU	1764-24AWA	1492-CABⓐA64		
1756-IA16	1492-CABLEⓐX		1492-CABLEⓐX	1764-24BWA	1492-CABⓐA64		
TC-IDA161	1492-HWCABⓐX		1492-HWCABⓐX	1764-28BxB	1492-CABⓐB64		
1756-IB16	1492-CABLEⓐX	1492-CABLEⓐX		PowerFlex 700H with 20C-DA1-A Board	1492-CABⓐA7H		
TC-IDD161	1492-HWCABⓐX	1492-HWCABⓐX		PowerFlex 700H with 20C-DA1-B Board	1492-CABⓐB7H		
1756-IC16	1492-CABLEⓐX			PowerFlex 700S	1492-CABⓐA7S		
TC-IDE161	1492-HWCABⓐX			1794-IB16	1492-CABⓐA94	1492-CABⓐA94	
1756-IN16	1492-CABLEⓐX	1492-CABLEⓐX		1794-IB8	1492-CABⓐA94	1492-CABⓐA94	
1756-IV16	1492-CABLEⓐX	1492-CABLEⓐX		1794-IB10XOB6	1492-CABⓐA94		
1756-OA8	1492-CABLEⓐU			1794-IV16	1492-CABⓐA94		
TC-ODC081	1492-HWCABⓐU			1794-OB16	1492-CABⓐA94	1492-CABⓐA94	
1756-OA8D	1492-CABLEⓐU			1794-OB16P	1492-CABⓐA94	1492-CABⓐA94	
TC-ODX081	1492-HWCABⓐU		1492-CABLEⓐX	1794-OB8	1492-CABⓐA94	1492-CABⓐA94	
1756-OA8E	1492-CABLEⓐU		1492-HWCABⓐX	1794-OB8EP	1492-CABⓐA94	1492-CABⓐA94	
1756-OA16	1492-CABLEⓐX		1492-CABLEⓐX	1794-OV16	1492-CABⓐA94		
TC-ODA161	1492-HWCABⓐX		1492-HWCABⓐX	1794-OV16P	1492-CABⓐA94		
1756-OB8	1492-CABLEⓐU			1794-OW8	1492-CABⓐA94		
TC-ODD081	1492-HWCABⓐU						
1756-OB16E	1492-CABLEⓐX	1492-CABLEⓐX					
TC-ODD161	1492-HWCABⓐX	1492-HWCABⓐX					
1756-OC8	1492-CABLEⓐU						
TC-ODE081	1492-HWCABⓐU						
1756-ON8	1492-CABLEⓐU						
1756-OV16E	1492-CABLEⓐX	1492-CABLEⓐX					
1769-IA8I	1492-CABⓐF69						
1769-IA16	1492-CABⓐA69		1492-CABⓐA69				
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						

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 e 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 Series D or later

③ Supports Removable Terminal Block (RTB) plug. Compatible screw style
plug, 1492-RTB10N (pkg. qty. 2). Compatible push-in style plug 1492-RTB10P
(pkg. qty. 2). Order plugs separately.

④ Cable is limited for use within the control panel unless it is run through conduit.
Cable is ITC (Instrumentation Tray Cable) rated.

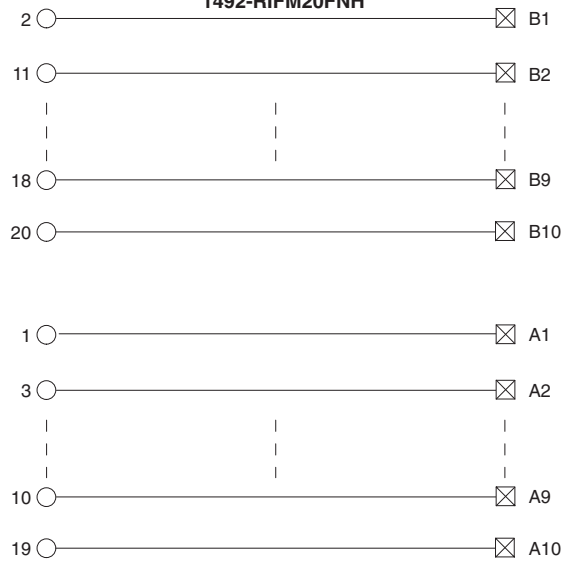
⑤ Cables are also available in 26 AWG versions.

Catalog numbers include a 26 at the end.

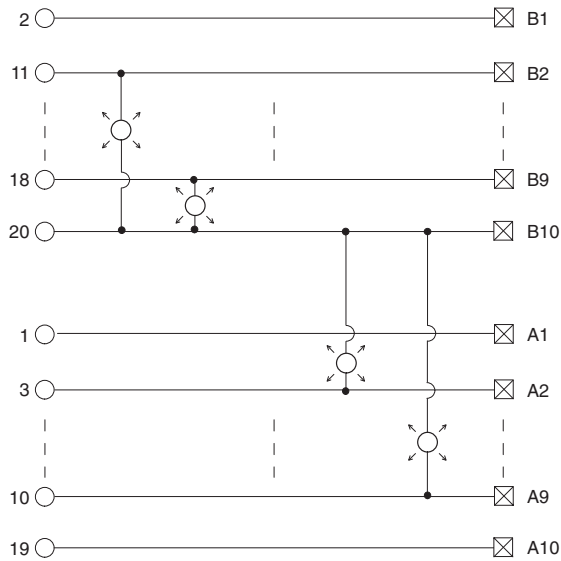
(Example: 1492-CABLEⓐX26)

Pinout
 Brochage
 Anschlußbelegung
 Disposizione
 dei piedini
 Esquema de pins

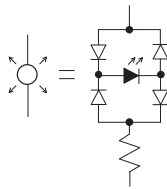
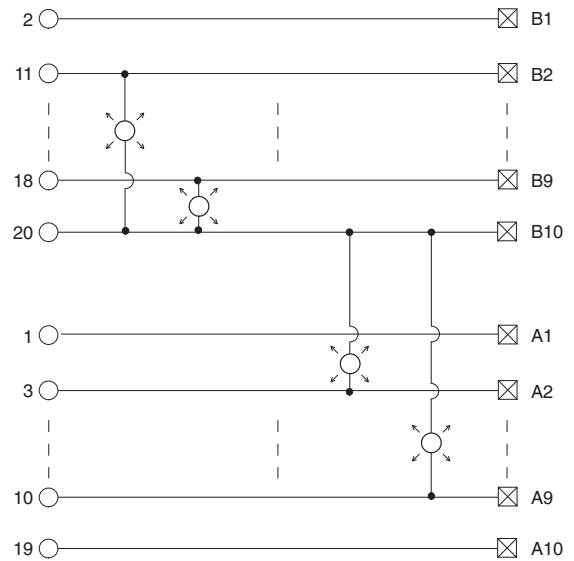
1492-IFM20FN
 1492-RIFM20N
 1492-IFM20FNH
 1492-RIFM20FNH



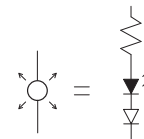
1492-IFM20D24N



1492-IFM20D120N



LED Circuit
 Circuit du LED
 LED-Stromkreis
 Circuito del LED



LED Circuit
 Circuit du LED
 LED-Stromkreis
 Circuito del LED

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	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	Maximum Recurring Peak Voltage ② Tension de crele réurrente maximale Maximale periodische Hochstspannung Tensione massima di cresta ricorrente Voltaje de cresta iterativo máximo
1492-IFM20FN	0 - 132 VAC/DC	2 Amps	12 Amps	N/A	600 V _p ②
1492-IFM20FNH	0-132 VAC/DC			N/A	
1492-RIFM20FN	0 - 132 VAC/DC			N/A	
1492-RIFM20FNH	0-132 VAC/DC			N/A	
1492-IFM20D24N	10 - 30 VAC/DC			2.0mA	
1492-IFM20D120N	85 - 132 VAC			2.5mA	
Ratings when used with 1764-24AWA, 1764-24BWA outputs. (For inputs use 2 Amps current per circuit.)					
1492-IFM20FN	0-132 VAC	Out 0 - 3, 2 Amps	12 Amps	N/A	600 V _p ②
1492-RIFM20FN	10-125 VDC	Out 4 - 11, 1 Amps			
Ratings when used with 1764-28BxB outputs. (For inputs use 2 Amps current per circuit.)					
1492-IFM20FN	0-132 VAC	Out 0 - 1, 2 Amps	12 Amps	N/A	600 V _p ②
1492-RIFM20FN	10-125 VDC	Out 8 - 11, 1 Amps			
	24 VDC	Out 2 - 7, 0.5 Amps			

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Operating Temperature Range Plage températures de fonctionnement Betriebstemperaturbereich 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 aproximativo del carico Peso aproximado al momento de embarque	Dimensions Dimensions Abmessungen Dimensioni Dimensiones			Standards Normes Standards Standard Estándares
				Width	Height	Depth	
1492-IFM20FN, -RIFM20FN	0° C - 60° C	5 - 95%	0.56 lb. (255 g.)	2.36 in. (60mm) ⑤	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 ⑥ 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-IFM20FNH, -RIFM20FNH ⑥				2.76 in. (70mm)	2.78 in. (70.5mm)		
1492-IFM20D24N				2.36 in. (60mm)	3.27 in. (83mm)		
1492-IFM20D120N				2.36 in. (60mm)	3.27 in. (83mm)		

- 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 Entstör器, der bewertet wurde bei 2,5 kV standzuhalten.
 Per transistori > 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.
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- ⑤ Add 0.39 in. to the width dimension for 1492-Rxx type modules.
 ⑥ No FM certification for this type of module.

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

