



8 Point Relay Master Interface Modules

Module Relais d'interface

Relais-Schnittstellenmodule

Moduli di Interfaccia di Relay

Módulos de Interface de Relés

(Cat 1492-XIM2024-8R, -XIM20120-8R, -XIM2024-16R, -XIM20120-16R, -XIM2024-16RF, -XIM20120-16RF, -XIM4024-8R, -XIM4024-16R, -RXIM4024-16R, -XIM4024-16RF)



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

Pour éviter le risque d'électrocution, débranchez la source d'alimentation avant l'installation ou l'entretien. En classe 1, division 2, le dispositif doit être installé dans une enceinte adaptée à l'environnement et accessible uniquement à l'aide d'un outil (selon ANSI/ISA S82).

WARNUNG

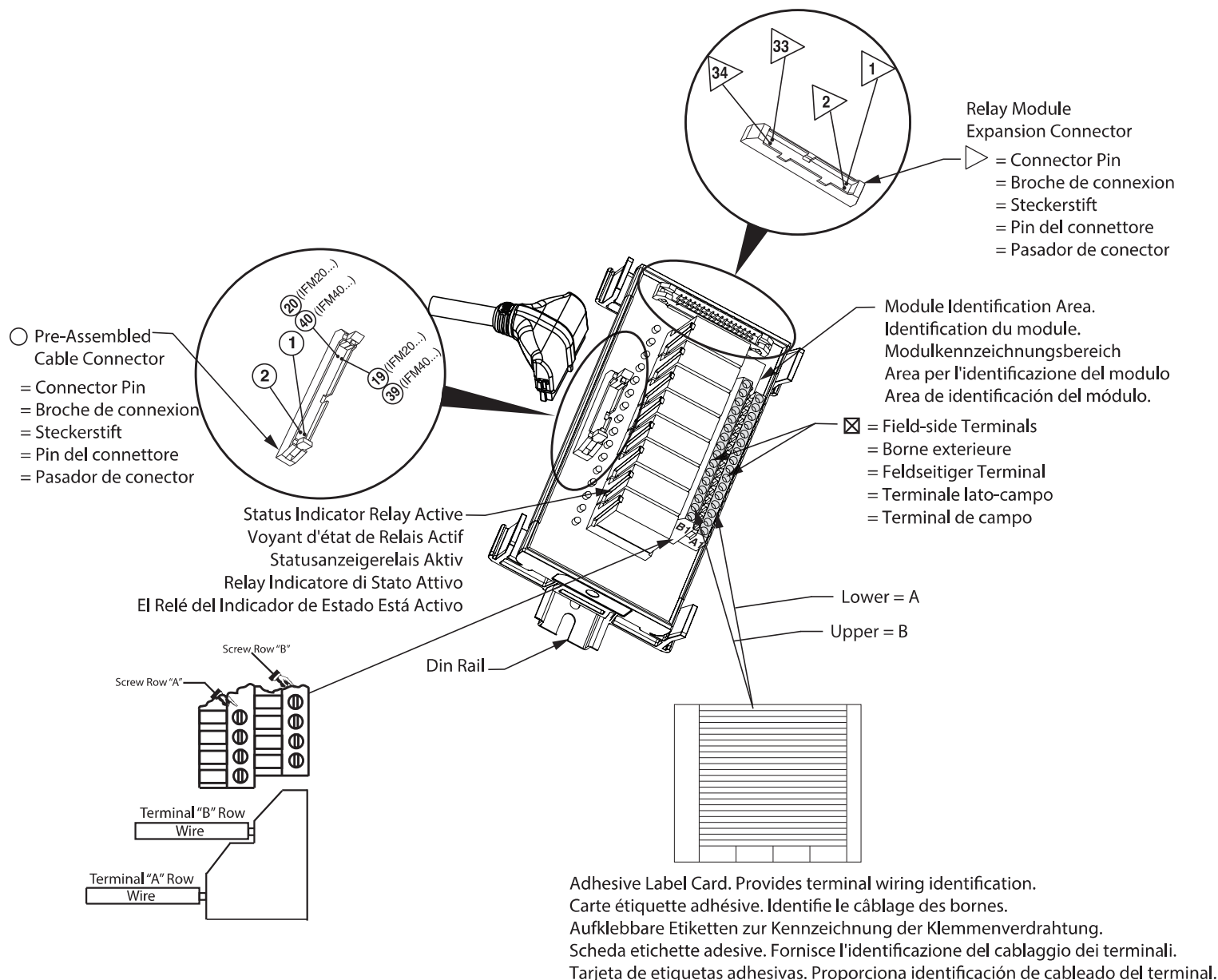
Zum Schutz gegen elektrischen Schlag, trennen Sie das Gerät von der Stromquelle, bevor Sie es installieren oder Wartungsarbeiten durchführen. Für Klasse 1, Div 2 sollten Sie das Gerät in einem für das Umfeld geeigneten Gehäuse installieren, das nur unter Verwendung eines Werkzeugs (gemäß ANSI/ISA S82) zugänglich ist.

AVVERTENZA

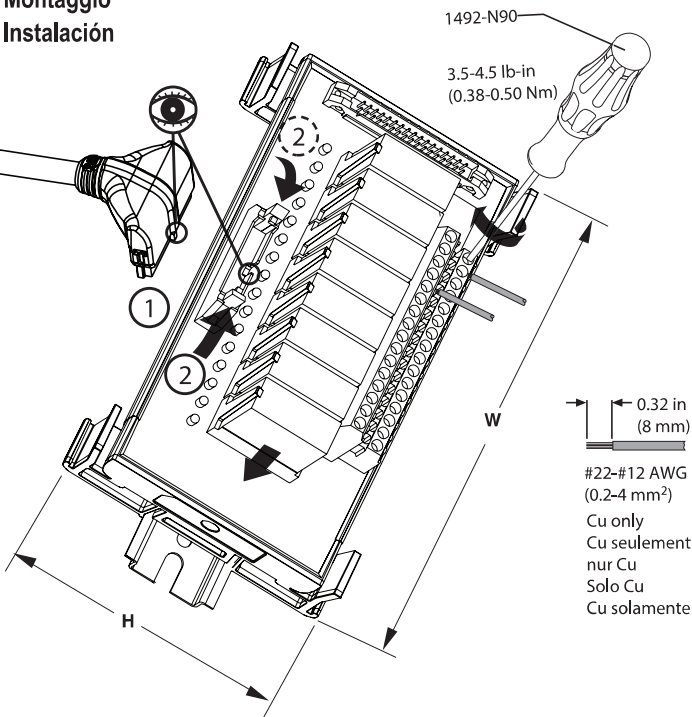
Para evitar choques eléctricos, desligue a alimentação antes de instalar ou executar manutenção. Para a Classe 1, Div 2, o dispositivo se deve instalar em um invólucro adequado ao ambiente. O invólucro deve permitir acesso somente mediante a utilização de ferramentas (segundo ANSI/ISA S82).

ADVERTENCIA

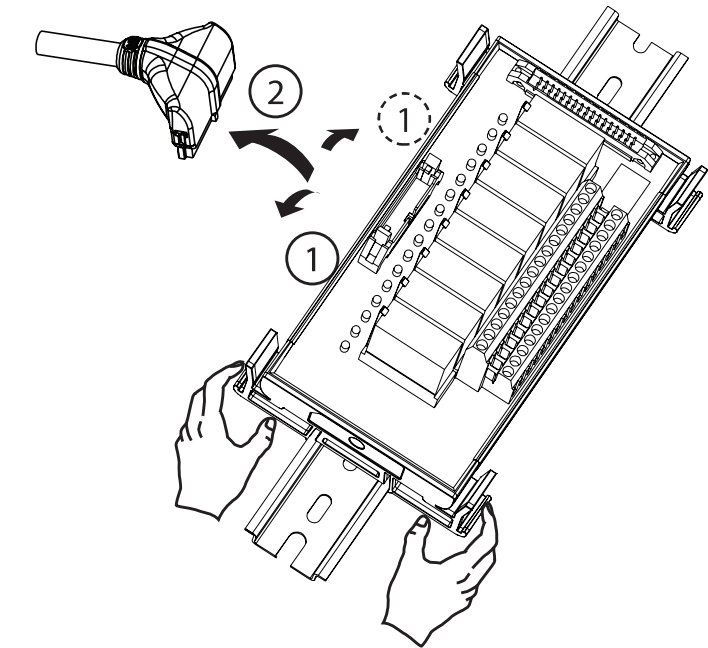
Para evitar choques eléctricos, desconecte el dispositivo de la fuente de alimentación eléctrica antes de instalar o prestar servicio. Para la Clase 1, Div 2, el dispositivo se debe instalar en un envolvente adecuado para el entorno.



Installation
Montage
Installation
Montaggio
Instalación



Removal
Retrait
Entfernen
Smontaggio
Extracción



Specifications
Spécifications
Technische Daten
Specifiche
Especificaciones

Mechanical Specifications

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 approssimativo del carico Peso aproximado al momento de embarque	Dimensions Dimensions Abmessungen Dimensioni Dimensiones		
				Width	Height	Depth
1492-XIM2024-8R	0° C - 60° C	5 - 95%	1.18 lb (536 g.)	6.3 in (160mm)	3.27 in (83mm)	2.78 in (70.5mm)
1492-XIM20120-8R			1.18 lb (536 g.)	6.3 in (160mm)		
1492-XIM2024-16R			2.02 lb (916 g.)	10.65 in (270mm)		
1492-XIM20120-16R			2.02 lb (916 g.)	10.65 in (270mm)		
1492-XIM2024-16RF			2.05 lb (933 g.)	11.05 in (281 mm)		
1492-XIM20120-16RF			2.02 lb (916 g.)	10.65 in (270mm)		
1492-XIM4024-8R		Non-condensing Sans condensation Nicht kondensierend Senza condensa sin condensación	1.18 lb (536 g.)	6.3 in (160mm)		
1492-XIM4024-16R			1.79 lb (811 g.)	9.06 in (230mm)		
1492-RXIM4024-16R			1.79 lb (811 g.)	9.06 in (230mm)		
1492-XIM4024-16RF			2.05 lb (933 g.)	11.05 in (281 mm)		

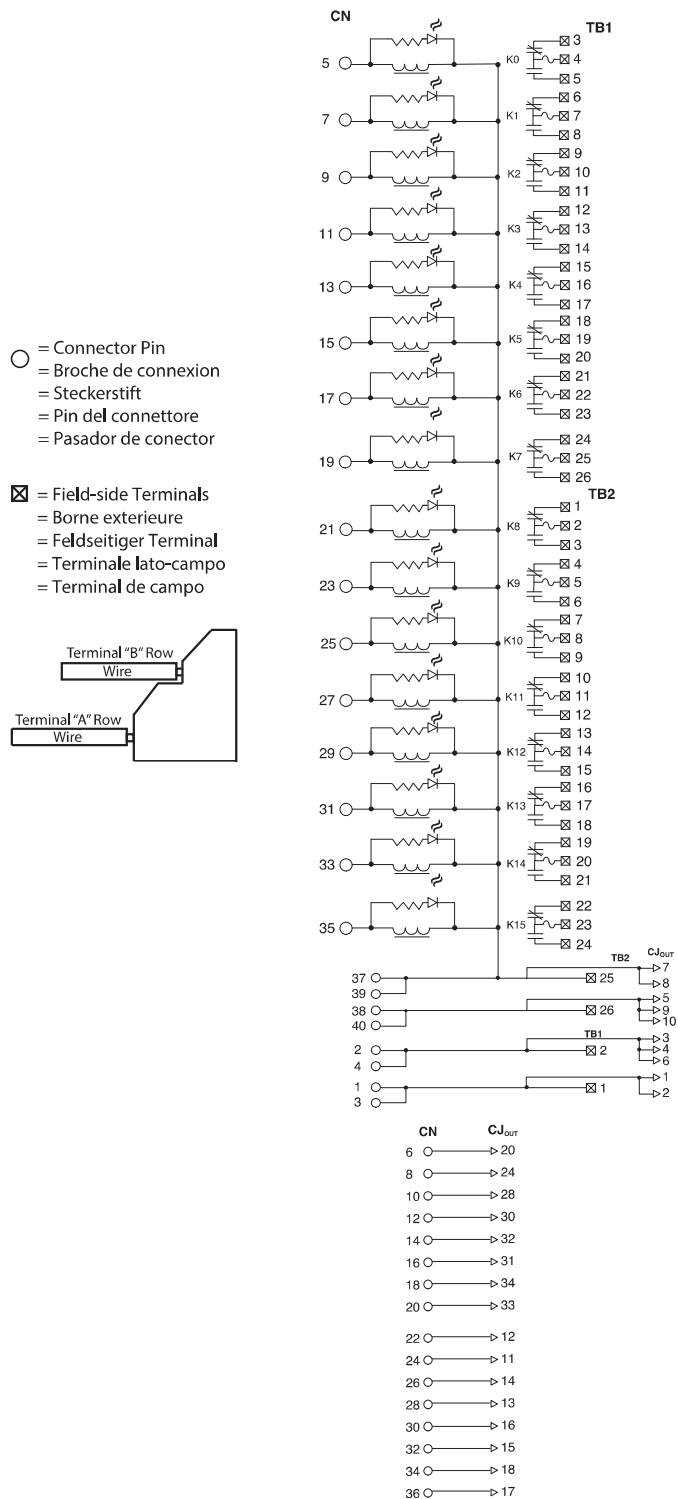
Cable Matrix
Matrice des câbles
Kabelmatrix
Matrice cavi
Matriz de cables

I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S	Catalog No. Référence Bestell-Nr. ①③ N. Catalogo Referencia							
		1492-XIM2024-8R	1492-XIM20120-8R	1492-XIM2024-16R 1492-XIM2024-16RF	1492-XIM20120-16R 1492-XIM20120-16RF	1492-XIM4024-8R	1492-XIM4024-16R 1492-RXIM4024-16R ②	1492-XIM4024-16RF
1746-OA16	1492-CABLE		CR		CR			
1746-OB16	1492-CABLE	E		E				
1746-OB16E	1492-CABLE	E		E				
1746-OB16P	1492-CABLE	E		E				
1746-OB32	1492-CABLE					H	H	H
1746-OB32E	1492-CABLE					H	H	H
1756-OA16	1492-CABLE		X, X26		X, X26			
TC-ODA161	1492-HWCAB		X		X			
1756-OB16E	1492-CABLE	X, X26		X, X26				
TC-ODD161	1492-HWCAB	X		X				
1756-OB32	1492-CABLE					Z, Z26	Z, Z26	Z, Z26
1756-OV32E	1492-CABLE							Z, Z26
TC-ODD321	1492-HWCAB					Z	Z	Z
1769-OA16	1492-CAB		H69, H6926		M69, M6926			
1769-OB16	1492-CAB	E69, E6926		E69, E6926				
1769-OB32	1492-CAB					K69, K6926	K69, K6926	K69, K6926
1769-OB32T	1492-CAB					H	H	H
1771-OAD	1492-CABLE		F, FF		F, FF			
1771-OB16	1492-CABLE	F, FF		F, FF				
1771-OB16P	1492-CABLE					L	L	L
1794-OB16	1492-CAB			A94				
1794-OB16P	1492-CAB			A94				
1794-OB32P	1492-CAB							B94
5069-OA16	1492-CABLE		J5069		J5069			
5069-OB16/K/F	1492-CABLE	H5069		H5069				

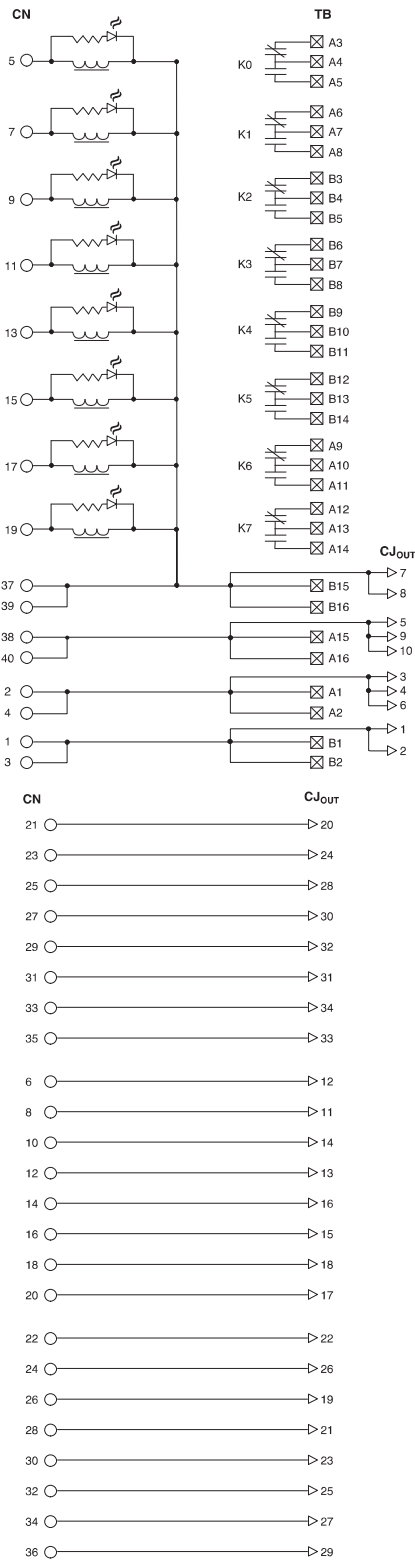
- ① Cables are available in 0.5m, 1.0m, 2.5m and 5.0m lengths (005=0.5m, 010=1.0m, 025 = 2.5m, 050=5.0m). Custom length cables also available. Contact local Sales Office for more information.
- Câbles disponibles en 0,5m, 1,0m, 2,5m et 5,0m de longueur (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Câbles 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). Anwenderspezififische 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-RTB**N (pkg. qty. 2). Compatible push-in style plug 1492-RTB**P (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

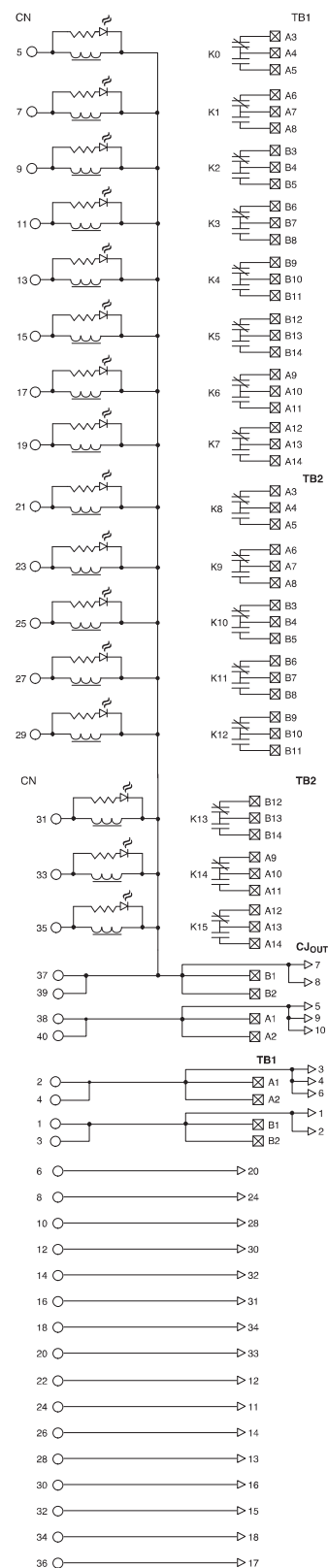
1492-XIM4024-16RF



1492-XIM4024-8R



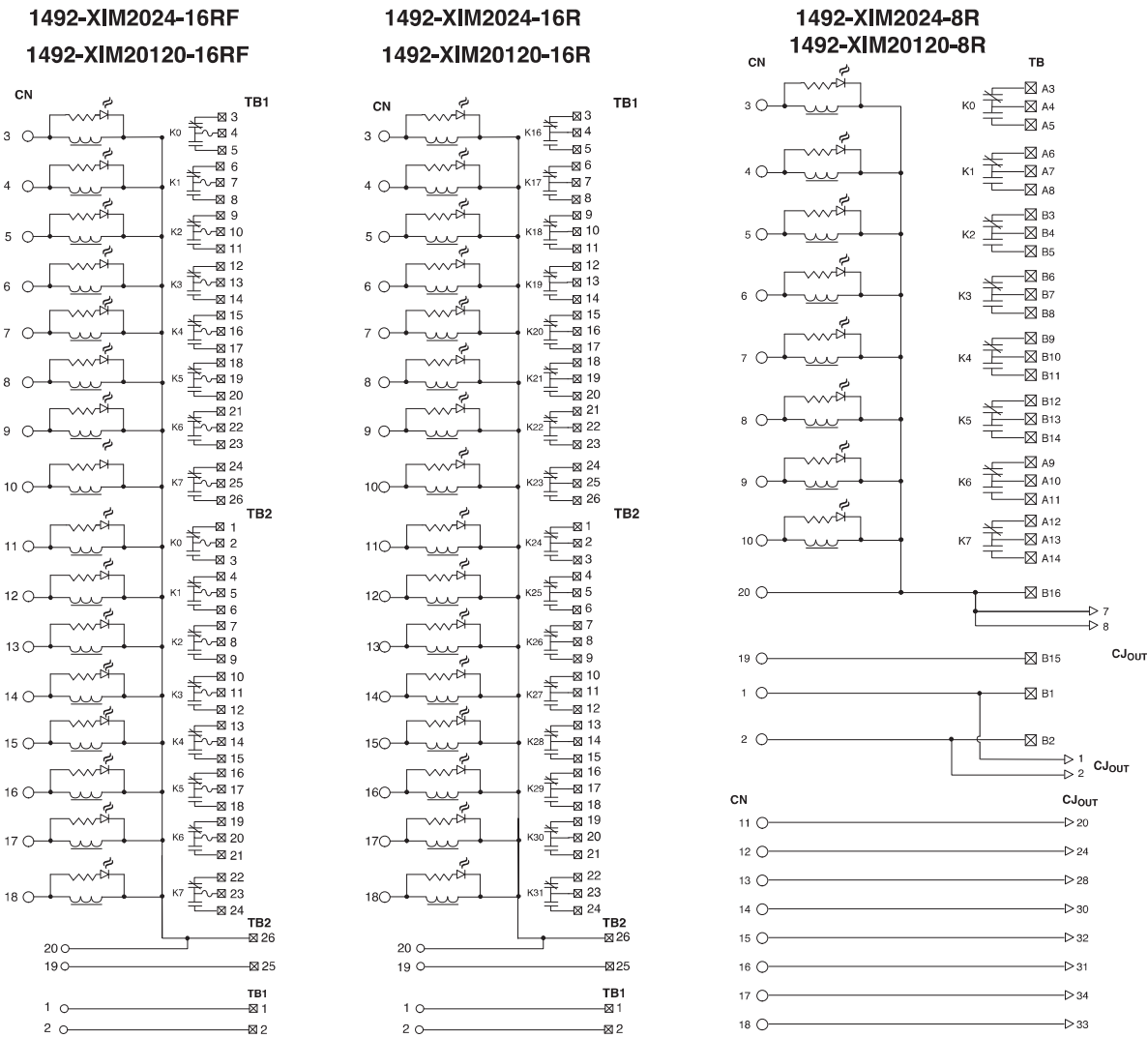
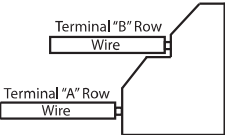
1492-XIM4024-16R
1492-RXIM4024-16R



Pinout
Brochage
Anschlußbelegung
Disposizione
dei piedini
Esquema de pins

○ = Connector Pin
= Broche de connexion
= Steckerstift
= Pin del connettore
= Pasador de conector

☒ = Field-side Terminals
= Borne exterieure
= Feldseitiger Terminal
= Terminale lato-campo
= Terminal de campo



700-HK36 __ □⑤

Relay Contact Rating
Spécification du Contact à Relais
Relaiskontakt-Nennwerte
Classificazione Contatti di Relay

Electrical Ratings			
Rated Thermal Current (I _{th})		1-Pole, 1 CO, SPDT - 16A ④	
Rated Insulation Voltage (U _i)		250V IEC, 300V UL/CSA ④	
Contacts	Inductive VAC	120VAC	AC-15, 6.2 A B300 Pilot Duty, 3 A 1/3 HP (0.24 kW) 1-Phase
		240VAC	AC-15, 3.1 A B300 Pilot Duty, 1.5 A 3/4 HP (0.55 kW) 1-Phase
		230VAC	0.55 kW 1-Phase
	Inductive VDC	24VDC	DC-13, 5.0 A
		125VDC	DC-13, 0.2 A R300 Pilot Duty, 0.22 A
		250VDC	DC-13, 0.1 A R300 Pilot Duty, 0.11 A
	Resistive	230VAC	AC-1, 16 A ③
	Make, Break and Continuous	277VAC	16 A General Use ③
		30VDC	DC-1, 12 A 10 A, Resistive
Minimum Permissible Contact Ratings		300mW (5V / 60mA or 60V / 5mA) for Silver Contacts)	

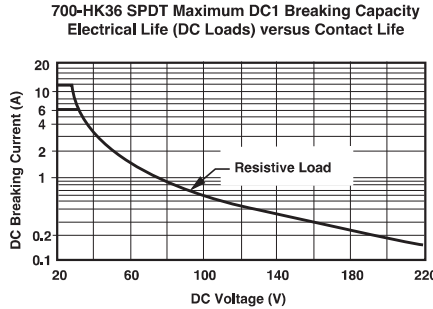
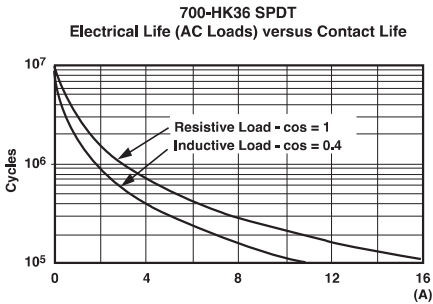
- ④ Maximum Module Current
- 10 Amps per relay output
 - Maximum continuous current per module for two adjacent relays is 12 Amps.
- Le courant permanent maximum pour deux relais adjacents est de 12 A.
Der maximale Dauerstrom für zwei nebeneinanderliegende Relais beträgt 12 A.
La corrente continua massima per due relè adiacenti è di 12 ampere.
La corriente continua máxima para dos relés adyacentes es de 12

- ⑤ Replacement Relays
- 24VDC Control (Coil) Voltage: 700-HK36Z24, Used with 1492-XIM2024* and 1492-XIM4024*
 - 120VAC Control (Coil) Voltage: 700-HK36A1, Used with 1492-XIM20120*

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Capacidad Nominal del Contacto de Relé



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 100 \times 10^3$ can be expected.
- In case of inductive loads (DC13), the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load. Note: the release time for the load will be increased.

I/O Wiring Data

NOTICE Wiring information for your I/O module, IFM 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

Technische Daten

Especificaciones

Spécifications

Specifiche

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	Maximum Recurring Peak Voltage Tension de crele réurrente maximale Maximale periodische Höchstspannung Tensione massima di cresta ricorrente Voltaje de cresta iterativo máximo	Standards Normes Standards Standard Estándares	
				cULus	CE
1492-XIM2024-8R	20 - 26 V DC	2.0 mA	600 V _p	Yes, Non-Hazardous	Yes
1492-XIM20120-8R	96 - 132 V AC				
1492-XIM2024-16R	20 - 26 V DC				
1492-XIM20120-16R	96 - 132 V AC				
1492-XIM2024-16RF	20 - 26 V DC				
1492-XIM20120-16RF	96 - 132 V AC				
1492-XIM4024-8R	20 - 26 V DC				
1492-XIM4024-16R	20 - 26 V DC				
1492-RXIM4024-16R	20 - 26 V DC				
1492-XIM4024-16RF	20 - 26 V DC				

- ⑥ 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.
- ⑦ 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.

AVERTISSEMENT

Risque d'explosion - la substitution de composants peut nuire à l'adéquation à la classe I, division 2.
Risque d'explosion - Ne débranchez pas l'équipement à moins que l'alimentation n'ait été coupée ou que la zone ne soit connue comme non dangereuse.

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.

<https://www.rockwellautomation.com/global/about-us/sustainability-ethics/product-environmental-compliance.page>

For Technical Support, visit ROK.AUTO/SUPPORT.
Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.
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EEE Yönetmeliğine Uygundur

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