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Find the *Rockwell / Allen-Bradley 1492-AIFM4-3* at our website: *Click HERE*

Analog Interface Module
Module d'interface analogique
Analog-Schnittstellenmodul
Modulo interfaccia analogica
Módulo de interface analoga

(Cat 1492-AIFM4-3, -RAIFM4-3)

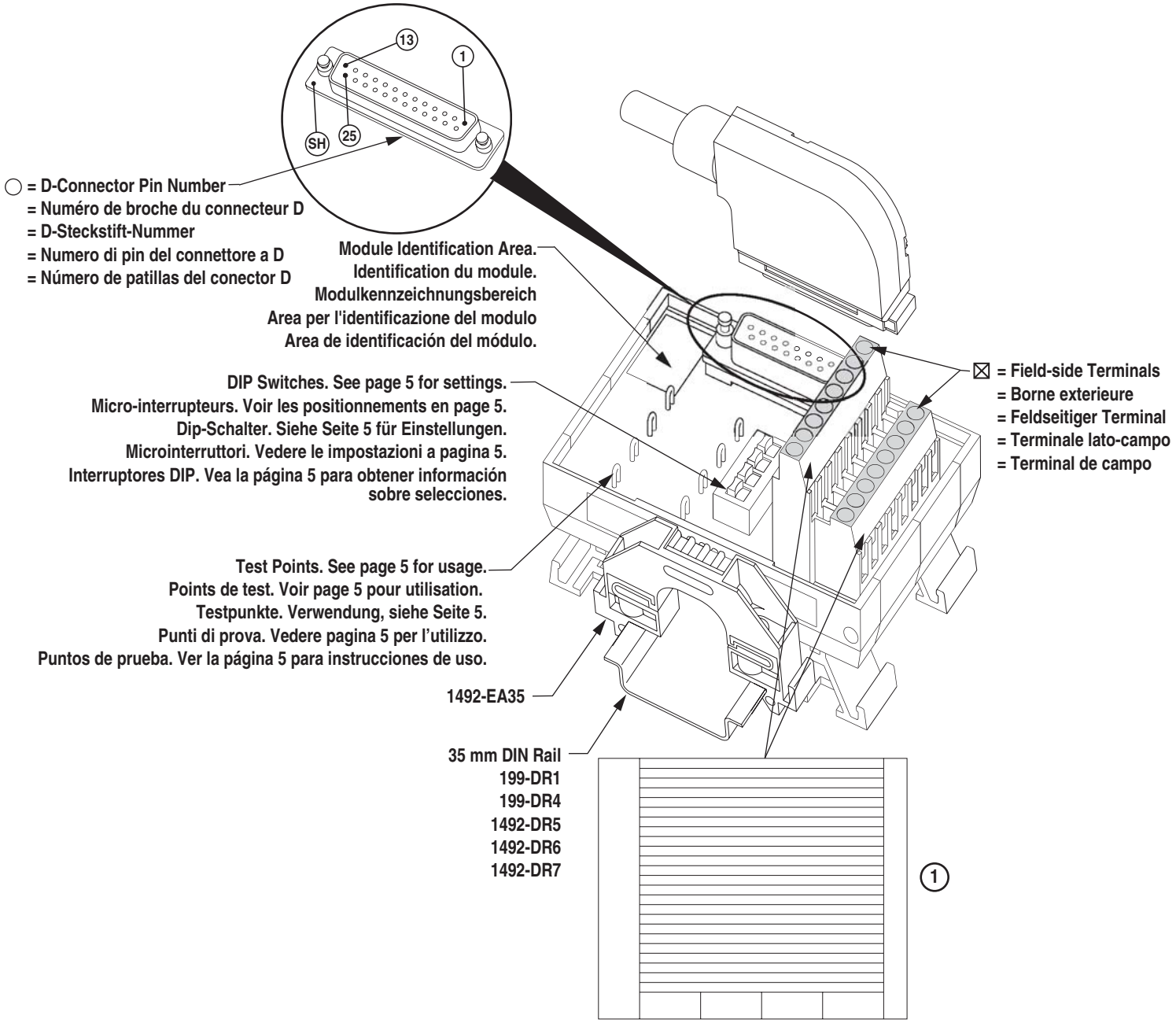
ATTENTION: To prevent electrical shock, disconnect from power source before installing or servicing. FM Class 1, Div.2 requires device installation in a tool-accessible enclosure compliant with ANSI/ISA S82.

ATTENTION: 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.

ACHTUNG: 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.

ATTENZIONE: 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.

ATENCION: 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.

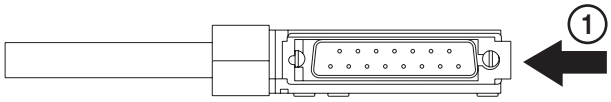


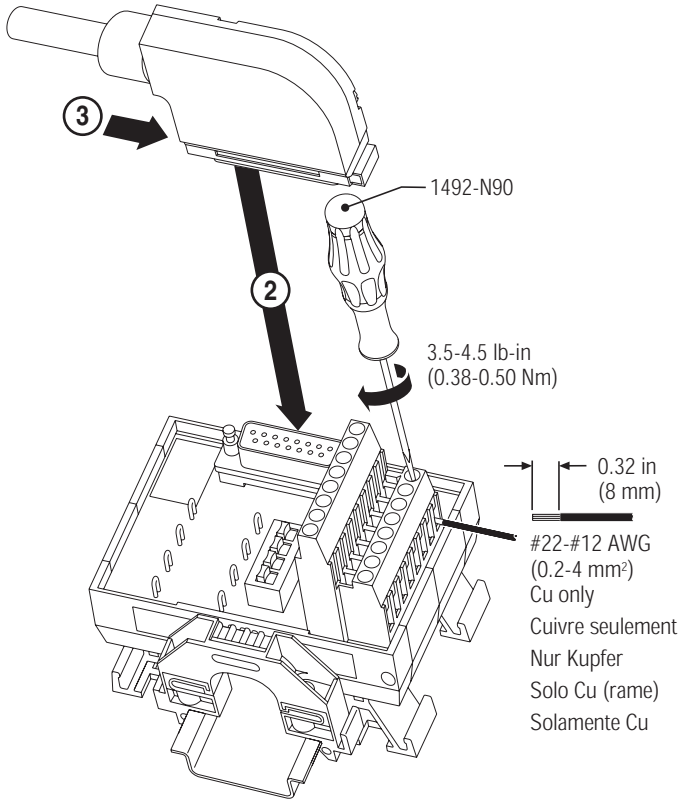
1 **Adhesive Label Card. Provides terminal wiring identification and LED labels.**
Carte étiquette adhésive. Identifie le câblage des bornes et les étiquettes des LED.
Aufklebbare Etiketten zur Kennzeichnung der Klemmenverdrahtung und LED-Anzeigen.
Scheda etichette adesive. Fornisce l'identificazione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

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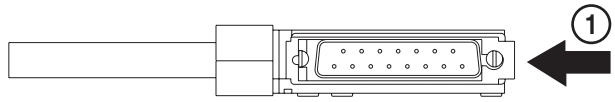
Module
Installation / Removal
Montage / Retrait
Installation / Entfernen
Montaggio / Smontaggio
Instalación / Extracción

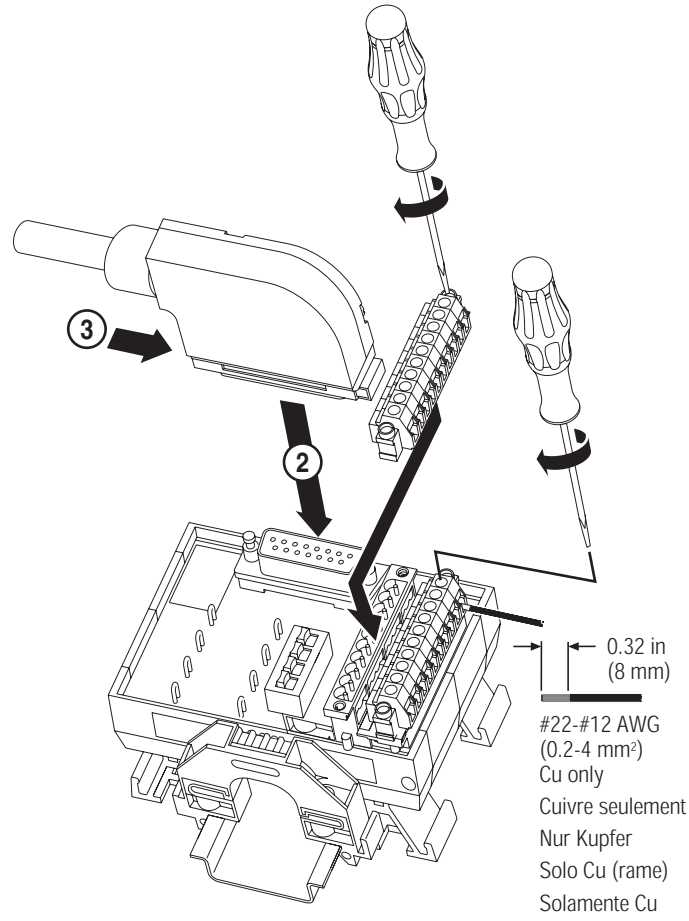




Applies to mdules with fixed and removable (R) terminal block

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





Applies to modules with removable terminal block plugs (1492-RAIFM_)

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Cable Matrix
Tableau des câbles
Kabelmatrix
Matrice dei cavi
Matriz de cables

I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S		1492-AIFM4-3 1492-RAIFM4-3 ②
1746-FIO4I		1492-ACABLE①L
1746-FIO4V		1492-ACABLE①L
1746-NI4		1492-ACABLE①A
1746-NIO4I		1492-ACABLE①L
1746-NIO4V		1492-ACABLE①L
1746-NO4I		1492-ACABLE①B
1746-NO4V		1492-ACABLE①B
1756-OF4 TC-OAV041	(Voltage) (Tension) (Spannung) (Tensione) (Voltaje)	1492-ACABLE①VA 1492-HWACAB①VA
1756-OF4 TC-OAV041	(Current) (Courant) (Strom) (Corrente) (Intensidad)	1492-ACABLE①VB 1492-HWACAB①VB
1769-OF2	(Voltage) (Tension) (Spannung) (Tensione) (Voltaje)	1492-ACAB①AA69
1769-OF2	(Current) (Courant) (Strom) (Corrente) (Intensidad)	1492-ACAB①AB69

I/O Module Module E/S E/A-Modul Modulo I/O Módulo de E/S		1492-AIFM4-3 1492-RAIFM4-3 ②
1769-IF4	(Single-ended Voltage) (Tension assymétrique) (Asymmetrische Spannung) (Tensione asimmetrica) (Tensión asimétrica)	1492-ACAB①BA69
1769-IF4	(Single-Ended Current) (Courant assymétrique) (Asymmetrische Strom) (Corrente asimmetrica) (Corriente asimétrica)	1492-ACAB①BB69
1769-IF4	(Differential Voltage) (Tension différentiel) (Differentialspannung) (Tensione differenziale) (Tensión diferencial)	1492-ACAB①BC69
1769-IF4	(Differential Current) (Courant différentiel) (Differentialstrom) (Corrente differenziale) (Corriente diferencial)	1492-ACAB①BD69
1771-OFE1		1492-ACABLE①G
1771-OFE2		1492-ACABLE①G
1771-OFE3		1492-ACABLE①G

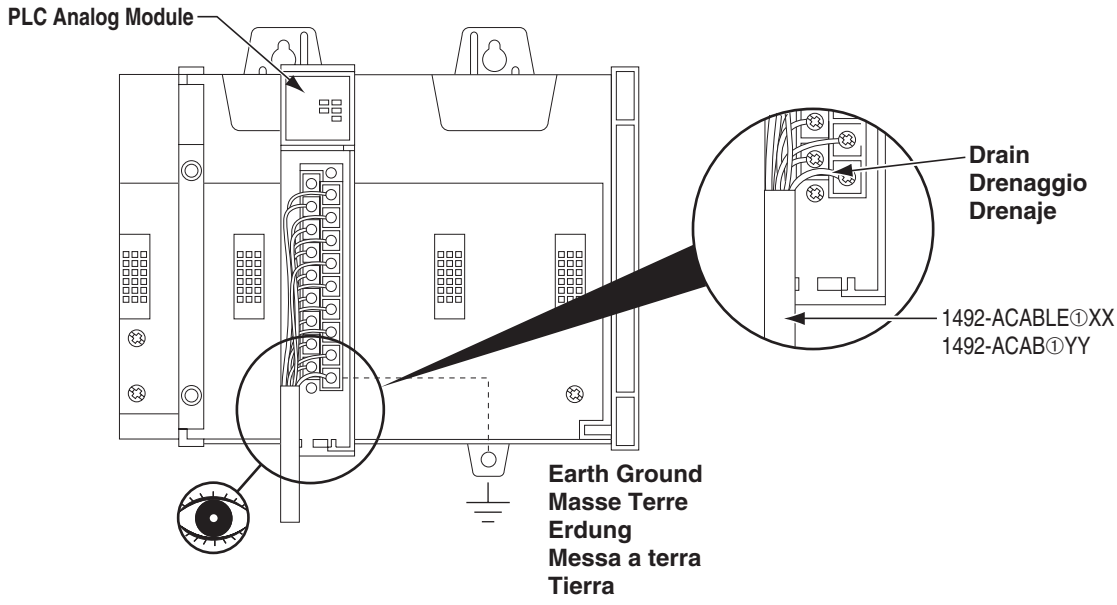
① Cables are available in 0.5m, 1.0m, 2.5m and 5.0m lengths (005=0.5m, 010=1.0m, 025=2.5m, 050=5.0m). Custom length cables also available. Contact local Sales Office for more information.
Câbles disponibles en 0,5m, 1,0m, 2,5m et 5,0m de longueur (005=0,5m; 010=1,0m; 025=2,5m; 050=5,0m). Câbles sur mesure 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). Anwenderspezifizifische 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-RTB8N (pkg. qty. 2). Compatible push-in style plug 1492-RTB8P (pkg. qty. 2). Order plugs separately.

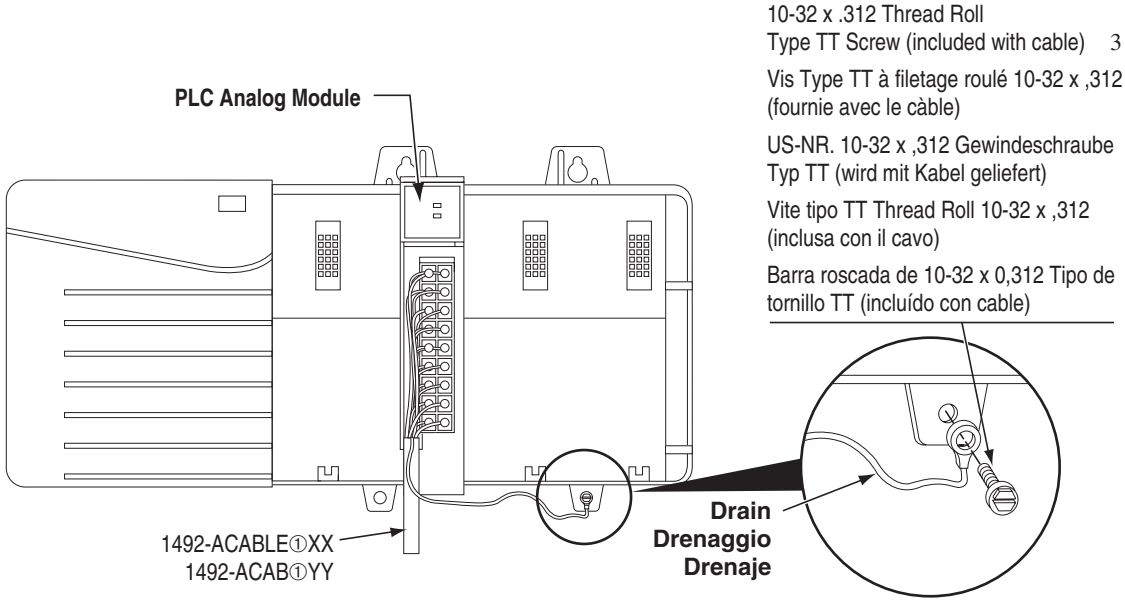
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Cable Shield Installation
Installation du câble blindé
Kabelab-schirmungs Installation
Installazione schermo del cavo
Instalación de pantalla de cable

Important: Refer to your PLC modules Installation Manual for unique grounding requirements
Important: Voir le manuel d'installation de vos modules PLC pour les conditions uniques de mise à la masse.
Wichtig: Informationen zu besonderen Erdungsanforderungen finden Sie im Installationshandbuch für PLC-Module.
Importante: Per requisiti specifici di messa a terra consultare il manuale di installazione dei moduli PLC.
Importante: Consulte el manual de instalación de módulos PLC para conocer los requisitos sobre la conexión única a tierra.



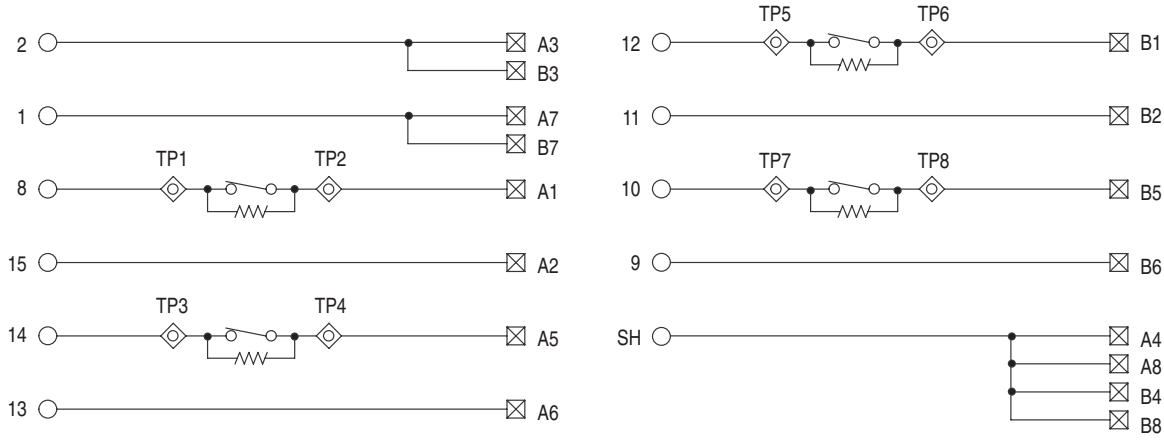
Important: Refer to Publications 1770-4.1 for generally recommended wiring and shield grounding guidelines.
Important: Voir les publications 1770-4.1 pour les conseils généraux de mise à la masse des câbles blindés.
Wichtig: Sehen Sie Publikationen 1770-4.1 DE für generell empfohlene Verdrahtungs- und Abschirmungsanweisungen.
Importante: Per procedure di cablaggio e messa a terra dello schermo generalmente consigliate consultare le pubblicazioni 1770-4.1.
Importante: Consulte las publicaciones 1770-4.1 para obtener las recomendaciones más comunes sobre cableado y pautas para conexión a tierra.



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Pinout
Brochage
Anschlußbelegung
Disposizione dei piedini
Esquema de pins

1492-AIFM4-3
1492-RAIFM4-3

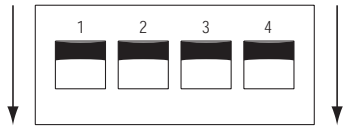


AIFM DIP Switch Settings

Positionnements des micro-interrupteurs AIFM
AIFM DIP-Schalter-Einstellungen
Impostazioni dei microinterruttori AIFM
Interruptor DIP AIFM

1756-OF4
Current
Courant
Spannung
Tensione
Voltaje

1771-OFE2
1771-OFE3



Insert 250 Series Impedance.
Insérer une impédance de 250 ohms en série.
Setzen Sie einen 250 - Widertand ein.
Inserire l'impedenza della serie da 250 ohm.
Inserte impedancia de 250 ohms en serie.



ON-CLOSED-No 250 OHM Series impedance.
ON-FERME- Pas d'impedance de 250 ohms en série.
ON-GESCHLOSSEN-Kein 250 - Widerstand.
ON-CHIUSO-Nessuna impedenza della serie da 250.
ON-CERRADO-Sin impedancia de 250 ohms en serie.



OFF-OPEN-To limit current in output circuit.
OFF-OUVERT-Pour limiter le courant du circuit de sortie.
OFF-OFFEN-Zur Begrenzung des Stroms im Ausgangsschaltkreis.
OFF-APERTO-Per limitare la corrente nel circuito di uscita.
OFF-ABIERTO-Para limitar la corriente en el circuito de salida.

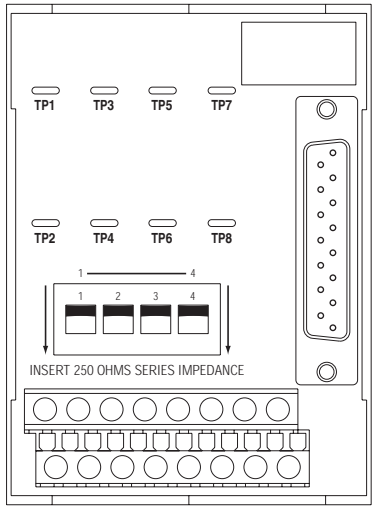
Factory Position: On / Closed / No 250 OHM Series Impedance. Configure each output channel individually.
Position par défaut: Marche / Arrêt / Pas d'impédance de 250 ohms en série. Configurer chaque voie de sortie individuellement.
Werkseinstellung: Ein / Geschlossen / Kein 250 - Widerstand. Konfigurieren Sie jeden Ausgangskanal einzeln.
Posizione prestabilita in fabbrica: Acceso / Chiuso / Nessuna impedenza della serie da 250. Configurare individualmente ogni canale di uscita.
Posición de fábrica: Activo (ON) / Cerrado / Sin impedancia de 250 ohms en serie. Configure cada canal de salida individualmente.

Test Points

Point de test
Testpunkt
Punto di prova
Puntos de prueba

1756-OF4
Current
Courant
Spannung
Tensione
Voltaje

1771-OFE2
1771-OFE3



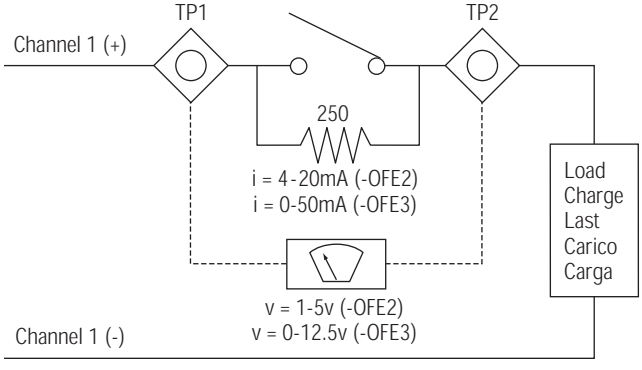
With optional 250 OHM series impedance in output circuit (DIP Switch OFF - OPEN), Test Points can be used to measure Loop Voltage/Current.

Avec une impédance série 250 ohms optionnelle dans le circuit de sortie (Micro-interrupteur OFF/OUVERT), il est possible d'utiliser les points de test pour mesurer la tension ou le courant en boucle.

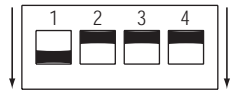
Mit der optionalen in Serie geschalteten 250 S-Impedanz im Ausgangsschaltkreis (Dip-Schalter OFF/OFFEN) können die Testpunkte zur Messung von Schleifenspannung und-strom verwendet werden.

Con un'impedenza in serie opzionale di 250 ohm nel circuito di uscita (microinterruttore OFF/ACCESO), i punti di prova possono essere utilizzati per misurare la corrente/tensione del circuito.

Los puntos de prueba se pueden usar para medir el lazo de corriente/voltaje, cuando hay una impedanica opcional en serie de 250 ohmios en el circuíto de salida (interruptor DIP OFF/OPEN).



For Example (1771-OFE2, -OFE3):
Par exemple (1771-OFE2, -OFE3):
Beispiel (1771-OFE2, -OFE3):
Ad esempio (1771-OFE2, -OFE3):
Por ejemplo (1771-OFE2, -OFE3):



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Wiring
Câblage
Verdrahtung
Cablaggio
Cableado

Important: Wiring diagrams are online at **www.ab.com/raise.**
Important: Les schémas et sont disponibles en ligne à l'adresse **www.ab.com/raise.**
Wichtig: Die Schaltpläne finden und unter der Internet-Adresse **www.ab.com/raise.**
Importante: Gli schemi di cablaggio sono illustrati, oppure online all'indirizzo **www.ab.com/raise.**
Importante: Los diagramas de conexiones están en y se encuentran en-línea en **www.ab.com/raise.**

Specifications
Spécifications
Technische Daten
Specifiche
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	Operating Temperature Range Plage températures de fonctionnement Betriebstemperaturbereich Limiti temperatura di funzionamento Rango de temperatura de funcionamient
1492-AIFM4-3 1492-RAIFM4-3	0 - 10 VDC	2 Amps	12 Amps	0˚ C - 60˚ C

Catalog No. Référence Bestell-Nr. N. Catalogo Referencia	Maximum Recurring Peak Voltage ② Tension de crele réurrente maximale Maximale periodische Hochstspannung Tensione massima di cresta ricorrente Voltaje de cresta iterativo máximo	Humidity Humidité Feuchtigkeit Humedad Umidità	Approx. Weight	Dimensions Dimensions Abmessungen Dimensioni Dimensiones	Standards
1492-AIFM4-3 1492-RAIFM4-3	600 V_p ②	5 - 95%	.5 lb. (227 g.)	2.36 in. (60 mm) W 3.27 in. (83 mm) D 2.74 in (69.5 mm) H	UR (File: E113724, Guide No. NRAQ2 CSA (File: LR1234, Class 321107 CE: Compliant for all applicable directives FM Class 1 Div 2 Groups A, B, C and D Temperature Rating T6 = 60˚C (J.I. 3000590, all except relay modules)

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 Entstörer, 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.

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.

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