MI8

MI16

MI12T8

(I) Per installare e utilizzare in modo corretto e sicuro il modulo, è NECESSARIO consultare il manuale contenuto all'URL:

(EN) To guarantee a correct and safe installation and operation of the module, it is MANDATORY to consult the user manual contained at URL:

(FR) Pour installer et utiliser correctement et en sécurité le module, il est NECESSAIRE de consulter le manuel d'instruction qui est contenu à l'URL:

(D) Um das Modul korrekt und sicher zu installieren und zu verwenden, MÜSSEN Sie das unter der URL enthaltene Handbuch konsultieren:

(E) Para instalar y utilizar el módulo de forma correcta y segura, DEBE consultar el manual que se encuentra en la URL:

www.reersafety.com/it/en/products/safety-controllers

CONTENUTO IMBALLO

(I) Modulo di espansione ingressi.
La presente guida di installazione.

PACKAGE CONTENTS

(EN) Input expansion unit.
This quick installation guide.

CONTENUE DE L'EMBALLAGE

(FR) Module d'expansion des entrées.
Le présent guide d'installation.

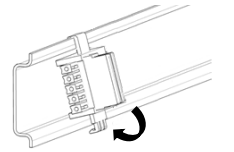
PACKUNGSINHALT

(D) Eingangs-Erweiterungsmodul.
Die vorliegende Installierungsanleitung.

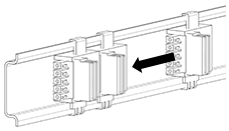
CONTENIDO DEL EMBALAJE

(E) Módulo de expansión de entradas.
La presente guida de instalación.

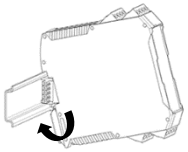
A) MONTAGGIO MECCANICO - MECHANICAL ASSEMBLY - MONTAGE MECANIQUE - BEFESTIGUNG - MONTAJE MECÁNICO



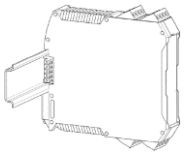
(I) Le operazioni che seguono devono essere effettuate in assenza di alimentazione.
Fissare alla barra Omega DIN 35mm (EN 5022) un numero di connettori posteriori "MSC" a 5 poli uguale al numero di moduli da montare (agganciandoli prima in alto). Collegare fra loro i connettori appena montati. Fissare quindi i moduli alla barra ponendo attenzione a inserire la contattiera posta sul fondo del modulo sul rispettivo connettore. Premere il modulo delicatamente fino a sentire lo scatto del bloccaggio. Per rimuovere un modulo è necessario tirare verso il basso (utilizzando un cacciavite) il gancio di arresto posto sul retro del modulo; sollevare quindi il modulo dal basso e tirare.



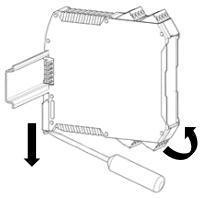
(EN) Do not apply power supply before carry out the following operations.
Fix to the Omega DIN 35mm (EN 5022) the same number of "MSC" 5-pole rear panel connectors as the number of units to be installed (hooking them at the top first). Connect between them the connectors just mounted. Fasten the units to the rail, arranging the contacts on the base of the unit on the respective connector. Press the unit gently until you feel it snap into place. To remove a unit, use a screwdriver to pull down the locking latch on the back of the unit; then lift the unit upwards and pull.



(FR) Les opérations suivantes doivent être effectuées en l'absence d'alimentation.
Fixer à la barre oméga DIN 35mm (EN 5022) un nombre de connecteurs arrière "MSC" à 5 pôles égal au nombre de modules à monter (en les accrochant d'abord en haut). Connectez ensemble les connecteurs nouvellement montés. Fixer ensuite les modules à la barre en faisant attention d'introduire le contact situé sur le fond du module dans le connecteur correspondant. Appuyer délicatement sur le module jusqu'à entendre le déclic de blocage. Pour enlever un module, il faut tirer vers le bas (à l'aide d'un tournevis) le crochet d'arrêt situé à l'arrière du module; puis soulever le module par le bas et tirer.

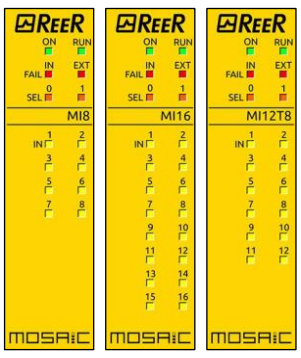


(D) Die im Anschluss beschriebenen Vorgänge müssen bei unterbrochener Stromversorgung ausgeführt werden.
Befestigen Sie an der DIN 35mm-Omega-Schiene (EN 5022) eine der Anzahl der zu montierenden Module entsprechende Anzahl von 5-poliger "MSC"-Rücksteckern (zuerst oben einhängen). Verbinden Sie die neu montierten Stecker miteinander. Dann die Module an der Schiene befestigen und dabei darauf achten, die Kontaktvorrichtung auf dem Boden des Moduls auf den entsprechenden Verbinder zu setzen. Das Modul vorsichtig einsetzen, bis das Einrasten zu hören ist. Um das Modul zu entfernen, muss (unter Verwendung eines Schraubenziehers) der Sperrhaken auf der Rückseite des Moduls nach unten gezogen und dann das Modul von unten angehoben und nach oben gezogen werden.



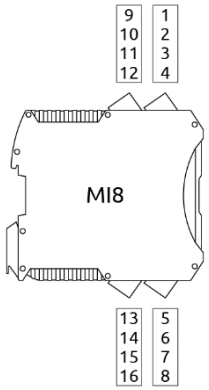
(E) Las siguientes operaciones se deben llevar a cabo con la alimentación cortada.
Fije a la barra Omega DIN 35mm (EN 5022) un número de conectores traseros "MSC" de 5 polos igual al número de módulos a montar (enganchándolos primero en la parte superior). Conecte los conectores recién montados. Luego, fijar los módulos en la barra comprobando la introducción del elemento de contacto, presente en la parte inferior del módulo, en el conector correspondiente. Ejercer una delicada presión sobre el módulo hasta sentir el chasquido de bloqueo. Para retirar un módulo es necesario tirar hacia abajo (utilizando un destornillador) el gancho de fijación presente en la parte trasera del mismo; luego, alzar el módulo desde abajo y tirar.

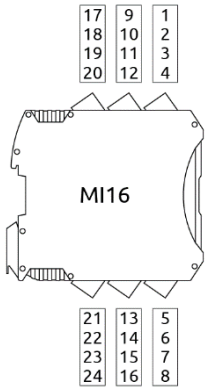
B) SEGNALAZIONI - STATUS INDICATORS - INDICATEURS - STATUSANZEIGEN - INDICADORES DE ESTADO



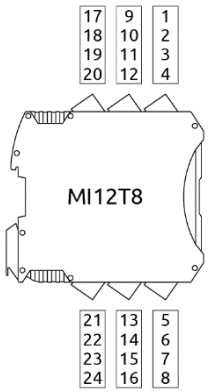
MEANING	LED						
	RUN	IN FAIL	EXT FAIL	SEL0/1	MI8	MI16	MI12T8
					IN 1/8	IN 1/16	IN 1/12
	GREEN	RED	RED	ORANGE	YELLOW	YELLOW	YELLOW
NORMAL OPERATION	**OFF** if the unit is waiting for the first communication from the MASTER **FLASHES** if no INPUT or OUTPUT requested by the configuration **ON** if INPUT or OUTPUT requested by the configuration	**OFF** operation OK	**OFF** operation OK	Shows the NODE_SEL0/1 signal table	**ON** INPUT condition		
			ON incorrect external connection detected		Only the number of the INPUT with the incorrect connection **FLASHES**		

C) MORSETTIERE - TERMINAL BLOCKS - BORNIERS - ANSCHLUSSKLEMMEN - TERMINALES





PIN	SIGNAL		TYPE	DESCRIPTION	OPERATION
	MI8	MI16			
1	24VDC	24VDC	-	24VDC power supply	-
2	NODE_SEL0	NODE_SEL0	Input	Node selection	Input ("type B" according to EN 61131-2)
3	NODE_SEL1	NODE_SEL1	Input		
4	0VDC	0VDC	-	0VDC power supply	-
5	INPUT1	INPUT1	Input	Digital input 1	Input according to EN 61131-2
6	INPUT2	INPUT2	Input	Digital input 2	Input according to EN 61131-2
7	INPUT3	INPUT3	Input	Digital input 3	Input according to EN 61131-2
8	INPUT4	INPUT4	Input	Digital input 4	Input according to EN 61131-2
9	OUT_TEST1	OUT_TEST1	Output	Short circuit detection output	PNP active high
10	OUT_TEST2	OUT_TEST2	Output	Short circuit detection output	PNP active high
11	OUT_TEST3	OUT_TEST3	Output	Short circuit detection output	PNP active high
12	OUT_TEST4	OUT_TEST4	Output	Short circuit detection output	PNP active high
13	INPUT5	INPUT5	Input	Digital input 5	Input according to EN 61131-2
14	INPUT6	INPUT6	Input	Digital input 6	Input according to EN 61131-2
15	INPUT7	INPUT7	Input	Digital input 7	Input according to EN 61131-2
16	INPUT8	INPUT8	Input	Digital input 8	Input according to EN 61131-2
17		INPUT9	Input	Digital input 9	Input according to EN 61131-2
18		INPUT10	Input	Digital input 10	Input according to EN 61131-2
19		INPUT11	Input	Digital input 11	Input according to EN 61131-2
20		INPUT12	Input	Digital input 12	Input according to EN 61131-2
21		INPUT13	Input	Digital input 13	Input according to EN 61131-2
22		INPUT14	Input	Digital input 14	Input according to EN 61131-2
23		INPUT15	Input	Digital input 15	Input according to EN 61131-2
24		INPUT16	Input	Digital input 16	Input according to EN 61131-2



PIN	SIGNAL	TYPE	DESCRIPTION	OPERATION
	MI12T8			
1	24VDC	-	24VDC power supply	-
2	NODE_SEL0	Input	Node selection	Input ("type B" according to EN 61131-2)
3	NODE_SEL1	Input		
4	0VDC	-	0VDC power supply	-
5	INPUT1	Input	Digital input 1	Input according to EN 61131-2
6	INPUT2	Input	Digital input 2	Input according to EN 61131-2
7	INPUT3	Input	Digital input 3	Input according to EN 61131-2
8	INPUT4	Input	Digital input 4	Input according to EN 61131-2
9	OUT_TEST1	Output	Short circuit detection output	PNP active high
10	OUT_TEST2	Output	Short circuit detection output	PNP active high
11	OUT_TEST3	Output	Short circuit detection output	PNP active high
12	OUT_TEST4	Output	Short circuit detection output	PNP active high
13	INPUT5	Input	Digital input 5	Input according to EN 61131-2
14	INPUT6	Input	Digital input 6	Input according to EN 61131-2
15	INPUT7	Input	Digital input 7	Input according to EN 61131-2
16	INPUT8	Input	Digital input 8	Input according to EN 61131-2
17	OUT_TEST5	Output	Short circuit detection output	PNP active high
18	OUT_TEST6	Output	Short circuit detection output	PNP active high
19	OUT_TEST7	Output	Short circuit detection output	PNP active high
20	OUT_TEST8	Output	Short circuit detection output	PNP active high
21	INPUT9	Input	Digital input 9	Input according to EN 61131-2
22	INPUT10	Input	Digital input 10	Input according to EN 61131-2
23	INPUT11	Input	Digital input 11	Input according to EN 61131-2
24	INPUT12	Input	Digital input 12	Input according to EN 61131-2

CONFIGURATION NODE SEL		
	NODE_SEL0 (PIN 2)	**NODE_SEL1** (PIN 3)
NODE 0	0 (or not connected)	0 (or not connected)
NODE 1	24VDC	0 (or not connected)
NODE 2	0 (or not connected)	24VDC
NODE 3	24VDC	24VDC

Refer to the manual for wiring details in the different operation mode