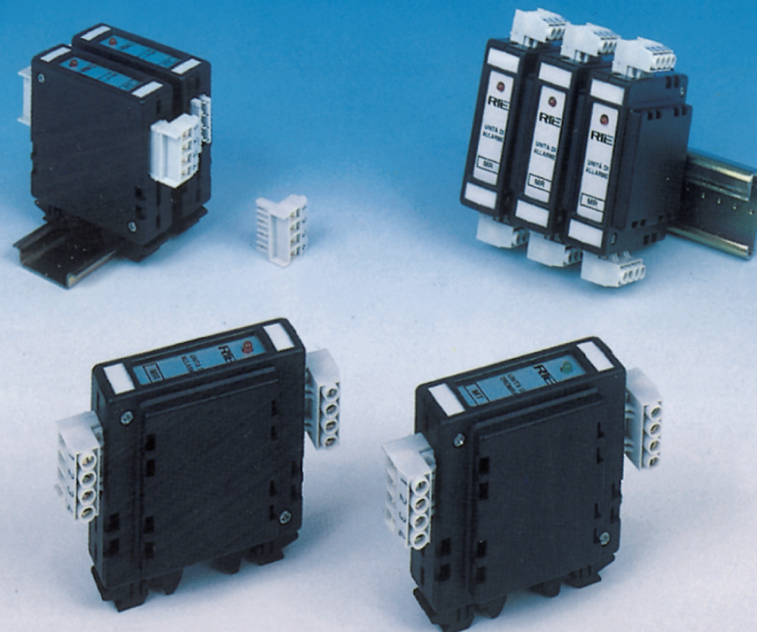
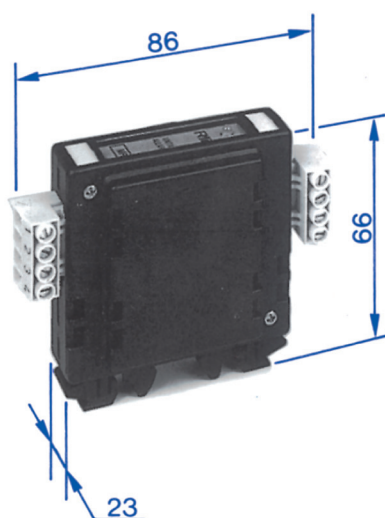


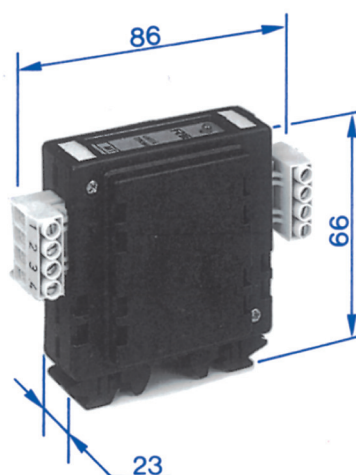
# MODULO DI ALLARME SERIE MR



Dimensioni d'ingombro  
*Overall dimensions*



Modulo d'allarme MR  
*Alarm module MR*



Modulo comune di tromba MT  
*Common horn module MT*

**MODULO PER  
LOGICHE DI ALLARME  
A SEQUENZE ISA  
CON SEGNALE  
LUMINOSA INTEGRATA**

**"SERIE MR"**

**ALARM LOGIC  
UNIT FOR ISA SEQUENCES  
WITH A SEPARATED  
ANNUNCIATOR**

## Caratteristiche generali

Il modulo di allarme MR ed il modulo di tromba MT, realizzati in un contenitore in poliamide autoestinguente sono adatti per essere montati indifferentemente sia su profilati EN50022 (OMEGA) che EN50035 (DIN 1). Inoltre essendo ogni singolo modulo 1 punto di allarme il modulo MR è particolarmente indicato per essere utilizzato dove gli ingombri a disposizione per l'alloggiamento degli allarmi sono estremamente ridotti.

## General features

The alarm module MR and the common horn module MT are realized in self-extinguishing polyamide enclosure suitable for rail mounting EN50022 (OMEGA) or EN50035 (DIN 1). Since each single module is equipped with 1 alarm point only the alarm module MR is particularly recommended for all the applications where a very small space is available.

## Caratteristiche tecniche

- Tensioni di alimentazione:  
024-048-110V c.c.  $\pm 10\%$  ripple max 5%.  
024-048-110-220V c.c.  $\pm 10\%$  tramite alimentatore o raddrizzatore stabilizzato di tensione.
- Terminali a vite IP20 mediante morsetti estraibili a 90°, con capacità max serraggio di 2,5 mmq.
- Segnalazione luminosa frontale a mezzo led di colore rosso per il modulo MR.
- Temperatura di funzionamento:  $-10^{\circ}\text{C} \div +50^{\circ}\text{C}$ .
- Temperatura max. con complesso non alimentato:  
 $-25^{\circ}\text{C} \div +75^{\circ}\text{C}$ .
- Isolamento verso massa: 2 Kv f.i. per 1 minuto.
- Prova di insensibilità ai disturbi:  
Pubb. IEC 255-6 (app. C classe III).
- Potenza max. segnale di uscita:  
024V c.c. = 3W 100V c.c. = 5W.
- Assorbimento massimo del modulo di allarme:  
024V c.c. = 1W 100V c.c. = 2W.

## Sequenze di allarme realizzabili

- ISA-1 / ISA-1A con contatto in campo NA o NC.
- ISA-4A con contatto in campo NA o NC.

## MODULO COMUNE DI TROMBA MT

### Caratteristiche generali

- Contatto NA libero da tensione per comando segnalazione acustica con assorbimento max di 10W / 15VA.
- Led di visualizzazione dello stato di eccitazione della bobina di colore verde.
- Altre caratteristiche come modulo MR.

### Parti complementari

Vedere documentazione relativa.

- Visualizzatori luminosi.
- Lampeggiatori.
- Trombe acustiche.
- Alimentatori e convertitori di tensione.

## Technical features

- *Power supply:*  
024-048-110V DC  $\pm 10\%$  ripple max 5%.  
024-048-110-220V AC  $\pm 10\%$  by means of power supply unit or stabilized rectifier.
- *Screw terminals IP20 by means of removable (90°) terminal blocks suitable for wires max 2,5 mm<sup>2</sup>.*
- *Front instrument indication by means of a red for the MR module.*
- *Working temperature:  $-10^{\circ}\text{C} \div +50^{\circ}\text{C}$ .*
- *Maximum storage temperature:*  
 $-25^{\circ}\text{C} \div +75^{\circ}\text{C}$ .
- *Earth isolation: 2 Kv for 1 minute.*
- *Noise rejection test:*  
according to IEC 255-6 (app. C class III).
- *Max power of the output signal:*  
024V DC = 3W 110V DC = 5W.
- *Max power consumption of the alarm module:*  
024V DC = 1W 110V DC = 2W.

## Alarm sequences available

- *ISA-1 / ISA-1A with field contact NO or NC.*
- *ISA-4A with field contact NO or NC.*

## COMMON HORN MODULE MT

### Technical features

- *A free voltage NO contact to drive an acoustic device with max power consumption of 10W / 15VA*
- *Energized coil indication by means of a green led.*
- *Other features as MR module.*






### Additional parts

See the relevant documentation.

- *Annunciators.*
- *Flashing units.*
- *Acoustic horns.*
- *Power supply units.*

**SEQUENZE ISA REALIZZABILI**  
**ISA SEQUENCES AVAILABLE**

**LEGENDA**  
**LEGEND**

- P = ALLARME  
ALARM
- L = LAMPADA  
LAMP
- T = TROMBA  
HORN
-  = SUONA  
AUDIBLE
-  = NON SUONA  
NOT AUDIBLE
-  = LUCE SPENTA  
LAMP "OFF"
-  = LUCE LAMPEGGIANTE  
LAMP FLASHING
-  = LUCE FISSA  
LAMP "ON"




































**ISA-1 na o nc / S18.1A NO or NC**

	Condiz. normale	Allarme perman.	Acquisiz. AQ	Ritorno a normalità	Allarme fuggitivo	Acquisiz. AQ	Prova lampade PL
P							
L							
T							

**ISA-1A na o nc / S18.1A-5 NO or NC**

	Condiz. normale	Allarme perman.	Acquisiz. AQ	Ritorno a normalità	Allarme fuggitivo	Acquisiz. AQ	Prova lampade PL
P							
L							
T							

**ISA-4A na / S18.1F1A NO**

	Condiz. normale	Intervento 1° causa	Intervento 2° causa	Ritorno a nor. prima del ricon.	Acquisiz. AQ	Ritorno a normalità	Prova lampade PL
p1 <sup>a</sup>							
p2 <sup>a</sup>							
L <sup>1a</sup>							
L <sup>2a</sup>							
T							

**COMPANY WITH QUALITY MANAGEMENT**  
**SYSTEM CERTIFIED BY DNV**  
**= ISO 9001:2008 =**

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