

Line-M-410-RV

Line-M-410-RV, Expansion modules

Code: M58E04. **DESCATALOGADO**

> Protocol: Modbus RTU
> Communications: Bus-Line
> N° relays: 4
> Digital inputs: 4 (230 V)
> Mounting: DIN rail

Description

Module with 4 230V relay inputs and outputs.

The expansion modules of the Line range provide a simple way to extend the features of any version of the line-ED-Cloud or line-EDS-PS, and of the line-CVM-D32 network analyser.

They allow adding digital outputs and inputs, analogue inputs and outputs or any combination thereof, to the devices.

The modules are connected laterally and are detected automatically when the lateral connection is made, which greatly simplifies the installation and configuration of the modules.

Application

- Expansion of inputs/outputs from line-CVM-D32 or line-EDS network analysers.
- Alarms can be programmed independently based on high/low values, hysteresis, timer on/off delays, normally open or closed rest state and interlocks.
- Track the status of components in the installation by using the status of the inputs to the module with network voltages of up to 230V~
- Management of up to 4 tariffs with activation of the different inputs to the module.

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Specifications

DC power supply

Consumption	max. 2 W

Mechanical characteristics

Size (mm) width x height x depth	52.5 x 118 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail (IEC 60715)
Weight (kg)	0,178

Environmental characteristics

Protection class	IP30, Front: IP40
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20 ... +70 °C
Working temperature	-10 ... +50 °C

Varistor characteristics

Maximum voltage	275 V ~

Voltage measurement circuit

Input impedance	140 kΩ

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Standards	UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

User interface

LED	9 LED

Digital inputs

Input/output insulation	3,75 kV~
Quantity	4
Minimum signal width	10 ms
Maximum short-circuit current	50 mA
Operating voltage	230 V ~



Line-M-4IO-RV

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Digital relay outputs

Quantity	4
Type	Class A, high frequency current filtering
Maximum current	6 A ~
Maximum open contact voltage	250 V ~
Electrical life (at maximum load)	$5x10^4$ cycles
Mechanical life	5×10^6 Cycles
Maximum switching capacity	1500 VA

Protection

Element	Varistor

Line-M-4IO-RV
Expansion modules, Line series

CODE	TYPE	Protocol	Analogue Inputs	Transistor output	Nº relays	Digital inputs	Analog output
Input/Output Modules							
D73004.	Line-M-4IO-RV	Modbus RTU	-	-	4	4 (230 V)	-

Bus-Line: RS-485 communication system, with side connector between modules

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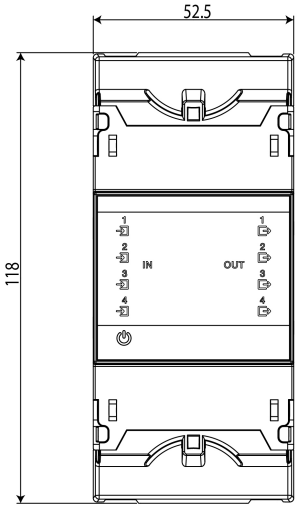
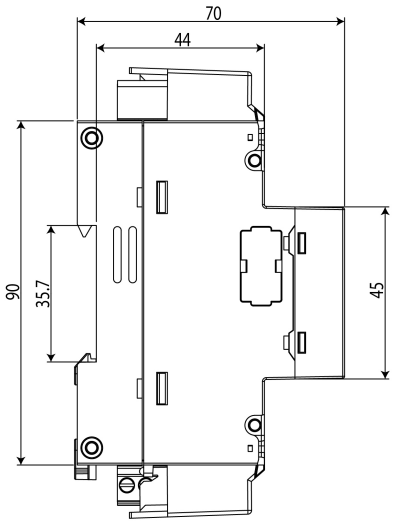
Dimensions





Connections

