



Line-M-4IO-RV

Line-M-4IO-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 ~ |



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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 x 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 | N° 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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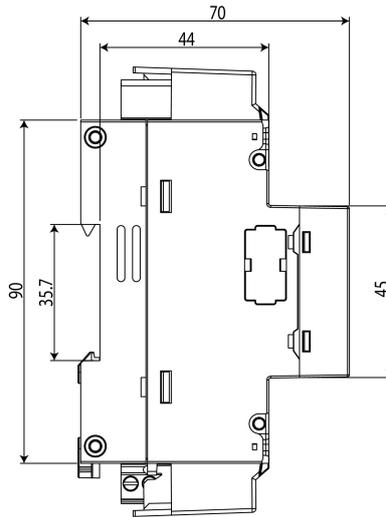
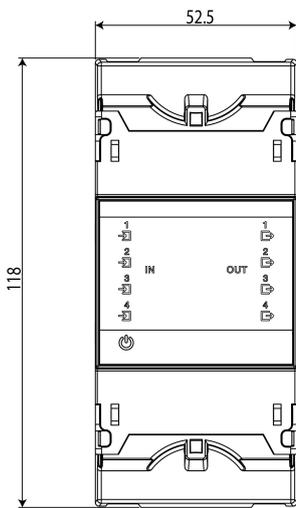
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Dimensions



Connections

