

Line-M-4I0-A

Line-M-4I0-A, Expansion modules

Code: M58E03. **DESCATALOGADO**

> Protocol: Modbus RTU

> Analogue Inputs: 4 (0/4 ... 20 mA)

> Communications: Bus-Line

> Analog output: 4 (0/4 ... 20 mA) |4 (0/2 ... 10 Vdc)

> Mounting: DIN rail

Description

Module with 4 analogue inputs and outputs Can be used to integrate 0-4...20mA analogue signals from control devices and sensors. The module has outputs to replicate the signals recorded through its inputs or to convert the parameters measured by the Line system devices in analogue form, 0/4...20mA or 0/2...10V, for management through external devices.

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

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.
- Convert any instantaneous parameter measured or calculated by the device into analogue signals by incorporating analogue output expansion modules.
- Track the status of components in the installation by using the analogue inputs to the module.



Line-M-410-A

Analog input / output module

Code: M58E03.

Specifications

DC power supply

Consumption	max. 3 W

Mechanical characteristics

Size (mm) width x height x depth	52.5 x 108 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail (IEC 60715)
Weight (kg)	0,134

Environmental characteristics

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

Voltage measurement circuit

Input impedance	150 Ω

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

Analogue inputs

Quantity	4
Input impedance	150 Ω
Nominal input range	0 ... 20 mA / 4 ... 20 mA (Programmable)
Measurement type	current
Maximum allowable neutral current	22 mAdc
Accuracy	< 1 %

Analogue outputs

Quantity	4
Linearity	< 1 %
Current mode, nominal range	0 ... 20 mA / 4 ... 20 mA
Current mode: maximum load resistance	300 Ω

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Line-M-4IO-A

Analog input / output module

Code: M58E03.

Voltage mode, minimum load resistance	5 kΩ
Voltage mode: nominal output range	0 ... 10 V
DAC resolution	4096 points
Maximum internal voltage	12 V
Accuracy	1 % (0 ... 20 mA / 0 ... 10 V)

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

CODE	TYPE	Protocol	Analogue Inputs	Transistor output	N° relays	Digital inputs	Analog output
Input/Output Modules							
D73003.	Line-M-4IO-A	Modbus RTU	4 (0/4 ... 20 mA)	-	-	-	4 (0/4 ... 20 mA) |4 (0/2 ... 10 Vdc)

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

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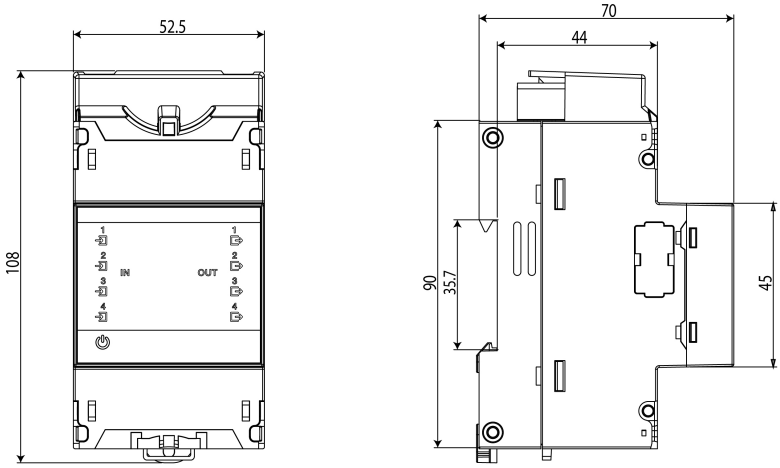


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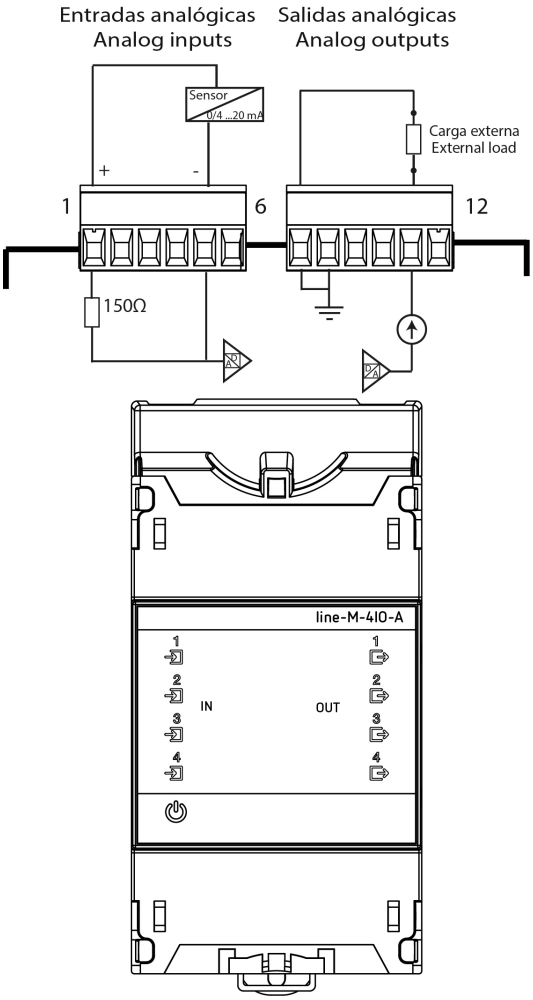
Analog input / output module

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Dimensions



Connections



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