

# VMU-O EM accessory module



## ▶ Main features

- Two digital inputs and two digital outputs.
- Self-powered via local bus.
- 1-DIN size

## ▶ Main functions

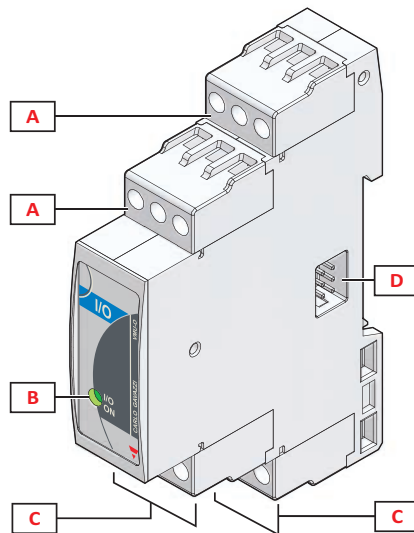
- ON/OFF status detection by means of 2 digital inputs.
- Relay output control by either manual command or event triggering.

## ▶ Description

VMU-O EM is a VMU-C EM system accessory module that manages two digital inputs and two relay outputs.

It can be connected to the main VMU-C EM module or to the VMU-M EM accessory module via local bus.

**Structure**

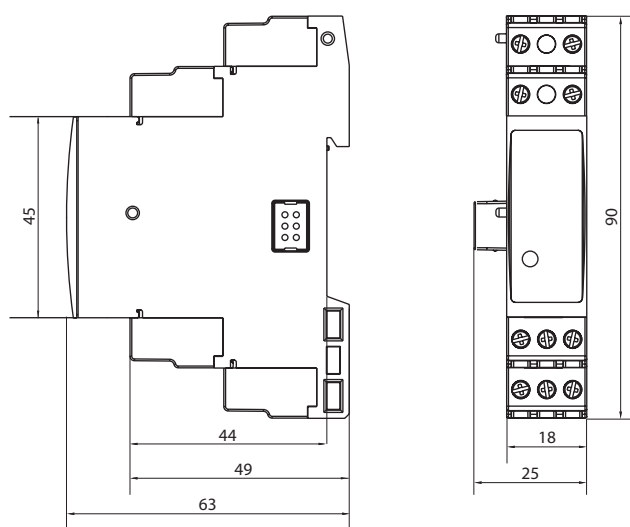


Element	Component	Function
A	Output terminals	Connecting to remote control switches
B	Information LED	Indicating local bus communication status, power supply status, digital input/output status
C	Input terminals	Connecting to digital inputs.
D	Local bus port (right side and left side).	Both sides: connecting to the local bus.

## Features

### General

<b>Dimensions</b>	1-DIN
<b>Weight</b>	About 100 g (packaging included)
<b>Mean time to failure</b>	MTTF/MTBF: 65.4 years Test conditions: gf (ground, fixed), 50 °C Standard: MIL-HDBK-217F



### Power Supply

<b>Power</b>	Self-powered via local bus
<b>Consumption</b>	≤ 0.7 W

### Inputs

<b>Max number of inputs</b>	2
<b>Type</b>	Digital
<b>On/Off status detection change</b>	≥ 500 ms
<b>Contact reading voltage</b>	3.3 VDC
<b>Contact reading current</b>	< 2 mA
<b>Contact resistance</b>	≤ 300 Ω closed contact, ≥ 10 kΩ open contact

**Outputs**

<b>Max number of outputs</b>	2
<b>Type</b>	SPST relay AC1: 5A @ 250 VAC AC15: 1A @ 250 VAC
<b>Activation mode</b>	<ul style="list-style-type: none"> <li>• Triggered by an accessory module's alarm condition</li> <li>• Triggered by main VMU-C EM module's alarm condition</li> <li>• Manual control from the web interface</li> <li>• According to a schedule set in the web interface</li> </ul>
<b>Initial status</b>	Selectable: normally closed or normally open

**Auxiliary bus**

<b>Communication function</b>	Slave
<b>Compatibility</b>	Right side: VMU-P EM or VMU-O EM accessory modules Left side: VMU-M master module, VMU-P EM or VMU-O EM module

## Connection Diagrams

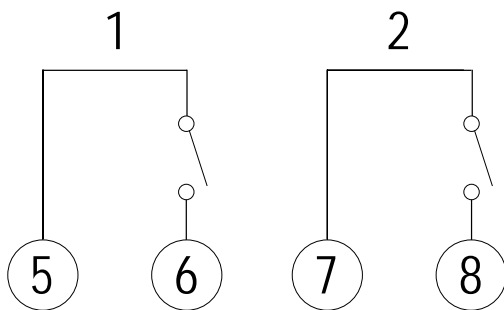


Fig. 9 Digital input 1

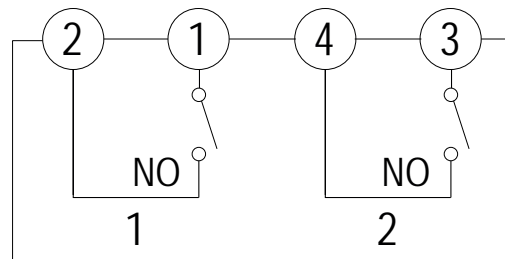


Fig. 10 Digital outputs 1 and 2



## References

**▶ Further reading**

Information	Document	Where to find it

**▶ Order code**

 **VMUO X I2 R2 EM**

**▶ CARLO GAVAZZI compatible components**

Purpose	Component name/code	Notes