

VMB1RYS datasheet

Mini single channel changeover relay module (for standalone and velbus operation)

Mini 1-channel changeover relay module. Can be used in standalone mode (a push-button operates the relay directly), or in Velbus mode (input and relay are used as configurable Velbus channels)



Features

- 80A high inrush current changeover relay with potential free contacts
- for switching capacitive, inductive or resistive loads
- standalone mode: in standalone mode a push-button connected to the input operates the relay
 - momentary or toggle mode can be selected by toggling the slide switch on the back
- Velbus mode: in Velbus mode the module is connected to a Velbus domotics system
 - the relay and input are used as Velbus output and input channels •
 - firmware upgradeable through the Velbus system
 - CAN terminator switch with state detection
 - bus error state indicated by led flashes
- detection of power supply undervoltage indicated by led flashes (standalone and Velbus mode)
- fire retardant ABS case with cuttable mounting brackets for screws and m3 bolts
- leds for power supply, Rx (Receive), Tx (Transmit) and relay status

Specifications

dimensions	37 x 57 x 19 mm (L x W x D)
power supply	15±3 VDC
current consumption	50 mA (max)
weight	34 g
Velbus and input connectors	0.5 - 1.5 mm ²
relay connectors	1 - 1.5 mm ²
relay max. current	resistive: 10 A @ 230 VAC / 10A @ 30VDC • capacitive: 6 A @ 230 VAC • inductive: 6 A @ 230 VAC
relay max. power	250 VAC
operating temperature	-10 - 50°C
IP-rating	IP10

Protocol manuals for developers: available for download at <https://github.com/velbus>

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