



Data sheet for MBUS-RELA4

The typical application for the M-Bus is the transmission of meter data. So, meters and sensors are the most common slaves sending their data.

In some special applications there is also a demand for active controlling. Our MBUS-RELA4 deals with that. It is an actuator for the M-Bus. One example is the feed-in management of decentralized renewable power plants. M-Bus is used for meter reading and controlling the energy flow at the same time. The four relays can be used to switch the feed-in capacity of the inverter between 100% / 60% / 30% / 0%. The MBUS-RELA4 can also be used to activate hygienic flushing according to regulations like the German Drinking Water Ordinance.

The MBUS-RELA4 acts like a normal slave on the M-Bus. It can be controlled by the master according to EN 13757. There are four bistable relays inside the device which are switching corresponding to the command from the master. For safety reasons, the relays can be read back and even during loss of communication or power the states of the relays are retained. The MBUS-RELA4 is a low power design. There is no external power supply. The device is completely powered by the M-Bus. The state of the relays can be read back.

Technical data

Characteristics	4 relay outputs, retain state even without communication or power, support reading back
Power supply	Power supply directly via M-Bus, 2 UL, max. 42 VDC
Interfaces	M-Bus according to EN 13757-2, screw clamps
Further terminals	4 relays (bistable), 230 VAC, 60 W, nominal: 2 A / 30 VDC, galvanic isolation 1000 V, screw clamps
Dimensions	35 x 89 x 58 (WB x H x D) in mm, 2 modules width
Mounting / Protection class	DIN rail, 35 mm; IP20
Max. baud rate	9600 bps
Weight	Ca. 80 g
Wiring cables	2.5 mm ² solid / stranded wire; 1.5 mm ² stranded wire with ferrules

