



# SOLVIMUS

METERING SOLUTIONS

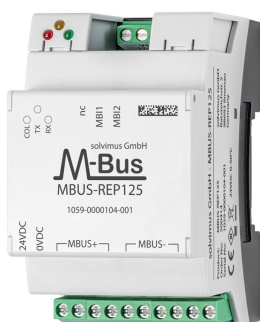
## DATA SHEET MBUS-REP

Version 1

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### 1. Product

- MBUS-REP125, Art. No. 500414
- MBUS-REP250, Art. No. 500417
- MBUS-REP500, Art. No. 500402



### 2. Application

Repeater as signal amplifier in an M-Bus network

### 3. Interfaces

#### M-Bus Master

Compliant to EN 13757-2 (all M-Bus meters are compatible), max. number of unit loads (UL):

- 125 (MBUS-REP125, Art. No. 500414)
- 250 (MBUS-REP250, Art. No. 500417)
- 500 (MBUS-REP500, Art. No. 500402)

Baud rate: max. 9600 bps, screw terminals

#### M-Bus Slave

Compliant to EN 13757-2, baud rate: max. 9600 bps, current consumption approx. 3 mA (2 UL), screw terminals

#### Galvanic isolation

M-Bus master and M-Bus slave are galvanically isolated from each other: 1 kV

### 4. LED indicators

3 LEDs signalling sending, receiving and collision/overload on the M-Bus

### 5. General properties

- Dimensions: 54 x 90 x 60 mm (W x H x D), 3 modules wide
- Installation: DIN rail 35 mm (IEC 60715), arbitrary orientation
- Mass: 130 g

### 6. Power supply

- 12..36 VDC, screw terminals
- Power consumption: <1 W (idle state), max. 40 W
- Peak inrush-current: approx. 4 A

### 7. Environmental conditions

- Operation: 0..50 °C (daily average); -20..70 °C (short-time)
- Transport and storage: -20..70 °C
- Air humidity: 0..95 %, non-condensing

### 8. Conformity and safety

- 2014/30/EU EMV Directive
- 2014/35/EU Low Voltage Directive
- 2011/65/EU RoHS Directive (incl. amendment 2015/863)
- Overvoltage protection (transient)
- Protection class III (IEC 61140)
- Degree of protection IP30 (IEC 60529)

### 9. Scope of delivery

- MBUS-REP125 (Art. No. 500414) or MBUS-REP250 (Art. No. 500417) or MBUS-REP500 (Art. No. 500402)
- Quick Start Guide (print, in the packaging)
- Individual packaging with solvimus logo
- Dimensions: 108 x 67 x 62 mm (W x H x D)



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### 10. Contact

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Further contacts can be found on our website at:  
<https://www.solvimus.de/en/company/solvimus/>

A comprehensive description of the device is provided in the manual that can be downloaded free of charge and without registration from our homepage:

<https://www.solvimus.de/en/products/downloads-2/>.

Our Quick Start Guide is also available upon request.

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