



SOLVIMUS

METERING SOLUTIONS

DATA SHEET MBUS-GEV, WIDTH 2 MODULES

Version 1

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1. Product

- MBUS-GE20V, Art. No. 500332
- MBUS-GE80V, Art. No. 500333



2. Application

Level converter for connecting meters to distant meter data management systems via Ethernet

3. Interfaces

M-Bus

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

- 20 (MBUS-GE20V, Art. No. 500332)
- 80 (MBUS-GE80V, Art. No. 500333)

Baud rate: max. 19200 bps, screw terminals

Ethernet

Compliant to IEEE 802.3, 10/100-Base-TX, RJ45 connector incl. status LEDs, Auto-MDIX

4. LED indicators

2 status LEDs for status and activity

5. Processing unit

The processing unit is a microprocessor system:

- CPU: ARM9 architecture, 454 MHz clock frequency
- Memory: 128 MB RAM, 4 GB internal eMMC Flash
- Operating system: Linux
- Integrated RTC: backed-up for up to 7 days

6. General properties

- Dimensions: 35 x 90 x 59 mm (W x H x D), 2 modules wide
- Installation: DIN rail 35 mm (IEC 60715), arbitrary orientation
- Mass: 79 g

7. Power supply

- 21.6..24.5 VDC, screw terminals
- Power consumption: 2 W (idle state), max. 10 W
- Peak inrush-current: approx. 3 A

8. 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

9. 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)



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10. Scope of delivery

- MBUS-GE20V (Art. No. 500332) or MBUS-GE80V (Art. No. 500333)
- Quick Start Guide (print, in the packaging)
- Individual packaging with solvimus logo
- Dimensions: 105 x 42 x 67 mm (W x H x D)

11. 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 accessed via the Help button on the configuration website of the device and 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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