M-Bus devices

M-bus level converter
M-bus repeater

Equipment for setup and administration of wired M-bus systems
ZENNER M-bus level converter

Level converter for the readout of M-bus devices

With the m-bus level converter (also named M-bus master) the data of all measuring devices in an M-bus system can be read out. The M-bus level converter represents the central metering point.

The power supply of the connected M-Bus devices (so-called "slaves") can be carried out via the bus. A maximum of 250 meters can be combined to each bus segment. Bigger Systems are realized by the means of repeaters. The selection of the level converter depends on the number of connected M-bus devices.

If the data of the M-bus meters are read out via a PC, the M-bus signals have to be converted into RS-232 signals. For measurement service companies, system builders and electrical installers ZENNER offers suitable M-bus level converters for M-Bus systems of various sizes.

Performance characteristics

- For remote readout of measuring devices with M-bus interface
- Status LED for the M-Bus network
- USB-connection for local reading, RS232-connection
- M-bus master (2400 baud)-connection, protected against overload and electrical short-circuit
- Available for the connection of 32, 60, 120 or 250 devices
- Ambient temperature: 0 - 45 °C

Casing characteristics

- Installation Rail mounting (DIN EN 60715)
- Color: grey RAL 7035
- Material: PPO
- Dimensions: 9 DIN-modules, 160mm x 90mm x 57mm
- The identical dimensions for all variants make the planning of systems and the installation in a rail housing or an installation box easy
M-bus repeater

For the extension of M-bus networks

Repeaters amplify the M-bus signal. M-bus repeaters are used in situations where the number of connected devices in a network is higher than the number of devices that can be managed by conventional M-bus converters.

M-bus repeaters are also used in M-bus networks with particularly long M-bus cables. The repeaters have to be used in combination with ZENNER M-bus converters.

Performance characteristics

- Status LED for the M-Bus network
- M-bus master (2400 baud)-connection, protected against overload and electrical short-circuit
- Repeater for 125 or 250 devices
- Ambient temperature: 0 - 45 °C

Functional features

- Repeater /amplifier for M-Bus signals
- In a single network, a number of several amplifiers can be used if the number of connected devices is particularly high

Casing characteristics

- Installation Rail mounting (DIN EN 60715)
- Color: grey RAL 7035
- Material: PPO
- Dimensions: 9 DIN-modules, 160mm x 90mm x 57mm
- The identical dimensions for all variants make the planning of systems and the installation in a rail housing or an installation box easy

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<tr>
<th>Designation</th>
<th>Power supply</th>
<th>Order number</th>
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<tr>
<td>M-bus level converter 32 USB/RS232</td>
<td>230Vac 50/60Hz, 10 W (Maximum)</td>
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<td>M-bus level converter</td>
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<td>M-bus digital remote repeater 250</td>
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