

M-Bus/M-Bus - M-Bus

GWFcoder®-Interface

Your benefits

- Interface splitter:
  Multiple utilisation of meter data
- Supply voltage via M-Bus:
  No additional mains adapter required
- Clearly marked connection terminals:
  Easy on-site installation

Applications

- With this interface two different management systems in a building can read out an M-Bus meter for energy optimisation simultaneously and independently
- Using the interface, previously installed M-Bus meters (GWFcoder® from version 5.0 and higher) can be connected to an additional management system of the building services engineering or the tenant

Properties

- Meter reading via the primary or secondary address[1)]
- Various possible parameter settings for baud rates
- One M-Bus/M-Bus - M-Bus interface is required for each GWFcoder® meter
- DIN rail or wall mounted
- With this interface one M-Bus meter can be integrated into two independent M-Bus networks simultaneously and read out separately. The interface automatically reads out the connected M-Bus meter at specified intervals and saves the current data set in the internal memory. If a readout occurs, the data is immediately available and transferred to the building management systems.

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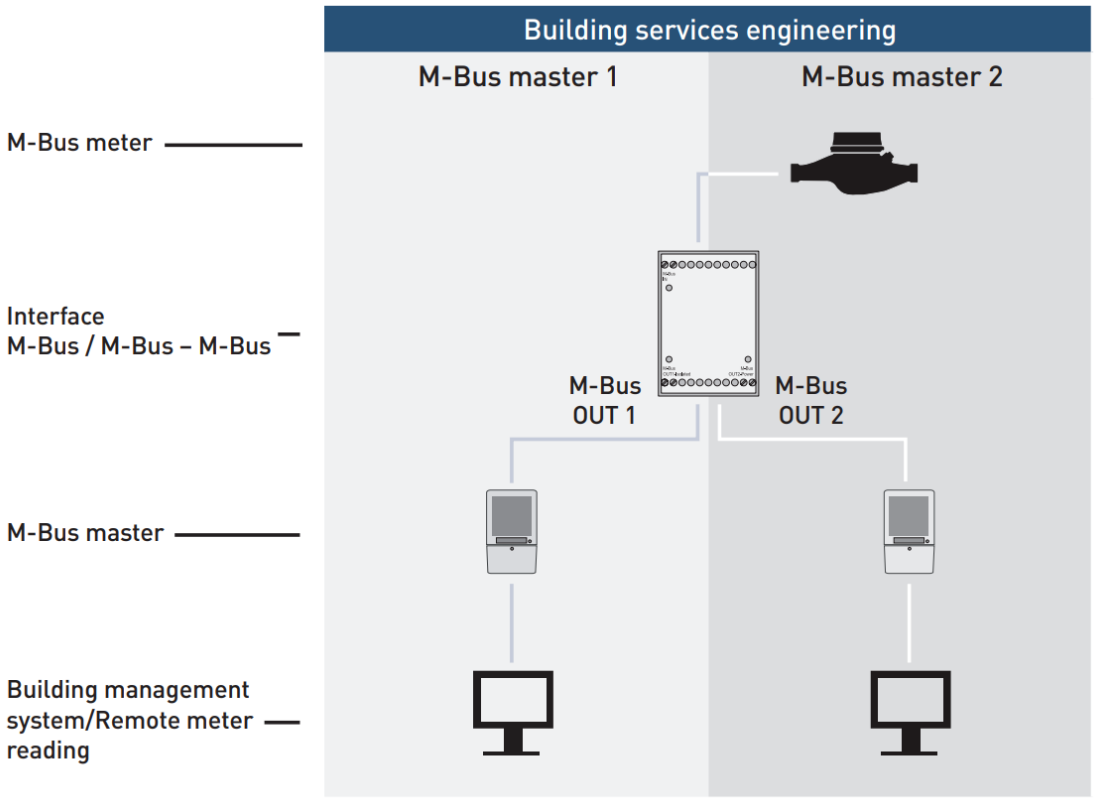
Components



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Technical Data

Data transfer M-Bus	
Baud rate M-Bus OUT 1 / OUT 2	2400 baud (default) or 300 baud
Primary address M-Bus	1–250
Secondary address[1)]	Meter number (eight digits)

M-Bus unit load	
M-Bus OUT 1	1 M-Bus unit load (1,5 mA - supply)
M-Bus OUT 2	4 M-Bus unit loads (6 mA - supply)

Connectable meters

1 meter with max. 2 M-Bus unit loads (3 mA)

Installation

The interface can be installed at the M-Bus master or the meter.

Max. cable length	
M-Bus connection cable	Network-dependent

Dimensions and weights	
Dimensions	75 x 55 x 110 mm
Weight	app. 100 g

Application area	
Temperature	0 to + 50 °C
Protection class	IP40

Interfaces

M-Bus according to EN 13757 (supports REQ_UD2, SND_NKE)

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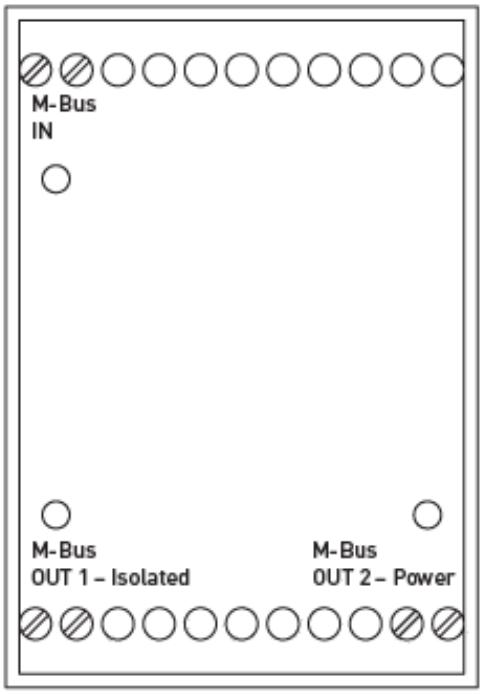
Connection and signal transfer / Interface	
M-Bus OUT 1	M-Bus master according to EN 13757 building management system. After Power «ON», the interface requires app. 2 min before it is ready for operation.
M-Bus OUT 2	M-Bus master according to EN 13757 building management system. After Power «ON», the interface requires app. 2 min before it is ready for operation.
M-Bus IN	M-Bus meter Meter reading possible via the primary or secondary address[1)]

1) Firmware version 2B and higher



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