



CM^eX40

DIN-Mounted M-Bus I/O module

The CMEx40 is an M-Bus slave module with one input and output. It uses standard M-Bus 2-wire connection and requires no separate power supply. The product can be used as a remote relay and also to monitor a digital input signal.

READY TO USE

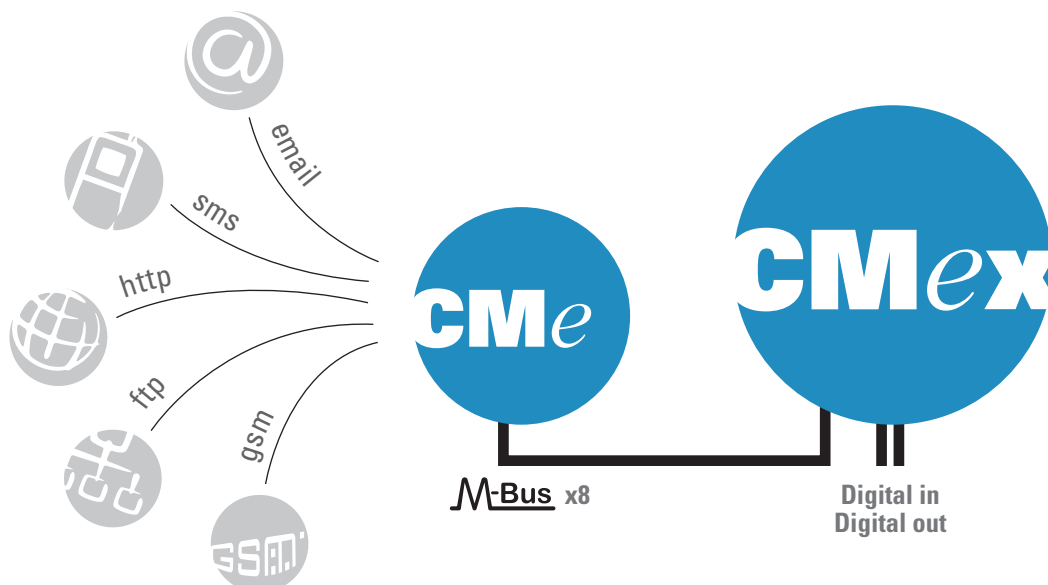
The CMEx40 is ready to use with no configuration required in the field. It can be connected to a CM^e Series master, or any M-Bus master following the M-Bus standard. The CMEx40 can control up to 230 VAC 8A.

STANDARD OPEN PROTOCOLS

The standard open protocol design works with any software supporting the M-Bus standard. It allows any existing M-Bus system to use the product without any proprietary solutions.

COST EFFECTIVE

The modular and expandable design allows the customer to select a suitable level based on price and functionality. The low initial cost and the possibility to add modules to existing installations provide a future proof solution.



Mechanics

Material	Polyamide
Protection class	IP20
Dimensions (w x h x d)	36 x 90 x 65 mm (3 DIN modules)
Weight	80 g
Connection M-Bus	EIB standard solid wire connection 0.6 to 0.8 Ø mm
Power supply	Screw terminal. Cable 0-2.5 mm², 0.5 Nm tightening torque
Mounting	DIN mounted

Electrical

Power consumption (nom)	1.5 mA M-Bus 1T
Installation category	CAT 2
Output relay current (Max)	8 A
Output relay voltage (Max)	240 VAC
Input loop max resistance	1 kΩ
Input type	Normally open
Input minimum open/close time for pulse detection	20 ms

Environmental

Operating temperature range	-30 to +55 °C
Storage temperature range	-40 to +85 °C
Operating humidity max	80 % RH temperatures up to 31 °C, decreasing linearly to 50 % RH at 40 °C
Pollution	Degree 2
Operating altitude	0-2000 m
Usage	Indoor use only, can be extended with IP67 enclosure for outdoor use

User interface

Green	Power
Red	Error
Push button	Test of relay output

M-Bus

M-Bus standard	EN 13757
M-Bus baud rate	300 and 2400 Bit/s
M-Bus command	SND_UD, SND_NKE, REQ_UD2

Approvals

EMC	EN 61000-6-2, EN 61000-6-3
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