Elvaco CMeX40 I/O Module Thermal Disconnect

Part Code	Name	Input	Output	Mounting
EL040RE	MBus Relay and Signal Monitor	1 digital input	1 relay output	DIN rail

The CMeX40 is an MBus slave module with one input and one output. It connects over the standard MBus two wire connection and needs no separate power supply. It can be used as a remote relay, controlling loads of up to 230 VAC at 8 A, and to monitor a digital input signal. It is ready to use with no configuration in the field and can be connected to a CMe Series master or any master that follows the MBus standard. Its open protocol design works with any software that supports MBus, so existing MBus systems can use it without proprietary solutions.

Features:

- MBus controlled relay, up to 230 VAC 8 A
- One digital input for signal monitoring
- Powered from the MBus, no separate supply
- Standard open protocol, EN 13757
- Ready to use, no configuration in the field
- Green power and red error LEDs
- Push button for testing the relay output
- DIN rail mounting, 3 module polyamide case



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

Technical Datasheet
Elvaco CMeX40 I/O Module Thermal Disconnect

Technical Specification	
MBus	
MBus standard	EN 13757
MBus baud rates	300 and 2400 bps
MBus commands	SND_UD, SND_NKE, REQ_UD2
Approvals	
EMC	EN 61000 6 2 and EN 61000 6 3
Mechanics	
Material	Polyamide
Protection class	IP20
Dimensions (w x h x d)	36 x 90 x 65 mm (3 DIN modules)
Weight	80 g
MBus connection	EIB standard solid wire, 0.6 to 0.8 mm diameter
Power supply connection	Screw terminal, cable 0 to 2.5 mm², 0.5 Nm tightening torque
Mounting	DIN rail
Electrical	
Power consumption (nominal)	1.5 mA MBus (1T)
Installation category	CAT 2
Output relay current (max)	8 A
Output relay voltage (max)	240 VAC
Input loop maximum resistance	1 kΩ
Input type	Normally open
Minimum input open or close time for pulse detection	20 ms
Environment	
Operating temperature	Minus 30 to plus 55 °C
Storage temperature	Minus 40 to plus 85 °C
Operating humidity	80 % RH up to 31 °C, falling linearly to 50 % RH at 40 °C
Pollution	Degree 2
Operating altitude	0 to 2000 m
Usage	Indoor use only, can be extended with an IP67 enclosure for outdoor use
User interface	
Green LED	Power
Red LED	Error
Push button	Test of the relay output



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

sycous.com +44 (0) 113 3604 776 info@sycous.com New York House, 1 Harper Street, Leeds, LS2 7EA

Sycous Limited is Registered in England and Wales. Company Number 08836039