

MBus Splitter Share up to 4 MBus meters

Part Code	Name	Meters	Meter side	Master side
EL004MS	MBus Splitter	Up to 4	MBus IN	Two MBus masters

The MBus Splitter lets two parties read the same meters. Up to four MBus meters are connected to one input, and two MBus masters connect to the two outputs, so the energy company and the property monitoring system can each read the meters on their own. It works with any MBus meter, whatever the manufacturer, and sets itself up by scanning the meter loop. LED indicators tell the engineer that the unit is working and how many meters it has found. The enclosure mounts on a DIN rail or directly on the wall. No maintenance is needed.

Features:

- Shares up to four MBus meters between two MBus masters
- Independent of meter manufacturer
- Automatic scanning of the meter loop
- LED indicators for meter count and bus faults
- Five jumpers for baud rate, scanning speed and readout interval
- DIN rail or wall mounting
- Optional 24 V external power for more than one meter
- Compact 75 x 55 x 110 mm polycarbonate case



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

Technical Specification

Mechanics

Dimensions (w x h x d)	75 x 55 x 110 mm
Material	Polycarbonate
Mounting	DIN rail or wall mounting
Weight	100 g
Connection	MBus screw terminal, cable 0.25 to 1.5 mm ²

MBus meter port (IN)

Nominal voltage	23 to 27 VDC
Baud rates	300 and 2400 bps
Maximum connected meters	4, external power supply needed for more than one meter
Scanning range	0 to 250 (multiple slave), 254 (single slave)
Readout interval	1 minute to 12 hours (1 minute, 5 minutes, 30 minutes or 12 hours)
Standard	EN 13757

MBus master ports (OUT1 and OUT2)

Nominal voltage	21 to 42 VDC (MBus standard)
Power consumption	2T to 6T (3 to 9 mA)
Baud rates	300 and 2400 bps
MBus commands	SND_NKE, REQ_UD2
Standard	EN 13757

External power (optional)

Nominal voltage	24 to 35 VAC or 30 to 40 VDC
Power consumption	25 mA

User interface

Operation indication	LED indicators for MBus IN, OUT1 and OUT2
----------------------	---

Approvals

Marking	CE
EMC	EMC Directive 2014/30/EU
Standards	EN 55022 radiated emission, EN 61000 4 2, 4 3 and 4 6 immunity
Environmental	RoHS

General

Meter compatibility	Independent of meter manufacturer, auto configuring
Maintenance	None required



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com