

MBK – CONVERTER RS485/ M-BUS

Communication module

Basic functions

- Module converts signals from the RS485 standard to the signals corresponding to M-Bus standard
- The automatic data control at the RS485 level
- LED indicators present the communication status on the serial side
- Short circuit indication on the M-bus
- 64 U.L.

Application

MBK Module connects devices with M-bus port with RS485. The module uses ADDC technology (Automatic Data Direction Control), thus any additional communication control signals are not required. There is no galvanic isolation between the power supply and RS485 side. However, there is galvanic isolation between M-Bus side and the power supply.

Design

Cabur CH boxes (dimensions WxDxH 24x85x121 mm)

Connections

There are a 3-pin strip on the top for RS485, and a 2-pin strip for the power supply and 17-pin strip for M-Bus on the bottom

Technical specifications

Operating temperature	0-50°C
Operating humidity	5 to 95% RH
Power supply	5V DC/DC internal
Consumption	max 1000mA@5V

PIN Layout

CON.1-M-Bus	
1	A1
2	A2
3	A1
...	
15	A1
16	A2
17	NC

CON.2 – RS 485	
18	A
19	B
20	C
	common
	RS 485 signal
	point

CON.3 - power supply	
PIN	Description
21	+5V
22	GND

