

Converter MBus - RS232/RS485

(Code 703.007)

TECHNICAL PASSPORT



Device purpose

- to convert RS232 or RS485 signal to MBus

Device delivery set

- Converter MBus - RS232/RS485 1 pcs.
- Technical passport 1 pcs.

Technical data

Interfaces

RS232: up to 15m, speed up to 9600 bods
RS485: automatic chose of direction, max 32 transivers, speed up to 9600 bods
MBus: up to 250 loads (375mA)

LED indication

Off line – MBus not loaded (ON)
Overload – MBus short connection
Operating - MBus power (ON/Off)
TXD – MBus data transfer
TXD – MBus data receive

General

Power supply: 90-250V~, 50-60Hz
Over voltage protection: >1000V
Power consumption : 300mA MAX
MBus line power: mark 36-40V, space 24-27V
MBus short cut event current: ≥500mA
Recover after short connection: auto after 5s

Galvanic isolation between

Power and RS232/RS485
Power and MBus
MBus and RS232/RS485

Physical characteristics

Dimensions: 110x75x45 mm
Weight: 170 g
Case fixing type: DIN32
Protection type: IP20

Climate conditions

Operating temperature: -20 .. +50°C
Storage temperature: -50 .. +70°C
Humidity range: 5 – 95%, non-condensing

Regulatory approvals

Electromagnetic compatibility
EN 55022:2010
EN 55024:2010
EN 61000-4-2:2009
EN 61000-4-3:2006
EN 61000-4-3:2006/A1:2008
EN 61000-4-3:2006/A2:2010
EN 61000-4-4:2004
EN 61000-4-4:2004/A1:2010
EN 61000-4-6:2009

Safety

EN 60950-1:2006+A1:2010+A11:2009+A12:2011

Model code explanation

703.007.A

A- Interface

1	RS485-MBus
2	RS232-MBus

Wiring schema

RS485 (703.007.1)

Conntact	Signal
1	MBus+
2	MBus-
3	GND
4	TD (B-)
5	TD (A+)
6	⏏
7	~220V Neutral
8	~220V Line

RS232 (703.007.2)

Conntact	Signal
1	MBus+
2	MBus-
3	TXD
4	RXD
5	GND
6	⏏
7	~220V Neutral
8	~220V Line

Manufacturer warranty

Warranty period – 24 month.

In case of converter's unavailability, the manufacturer commits to replace or carry out repair free of charges, if device was used in accordance with the operating manual.

A guarantee does not apply to faults caused by force majeure.

Putting into operation

Converter MBus - RS232/RS485

Model code: 703.007.____

Manufacturer's number: _____

Date of manufacturing: _____