Overview

- Compact Design with Flexible Communication: Compact and designed for DIN rail mounting, equipped with Modbus RTU (RS232, RS485), M-Bus, Ethernet, USB, and 4G LTE interfaces, allowing seamless integration into industrial systems with limited space.
- M-Bus Device Management: Handles up to 20 M-Bus devices with built-in short circuit protection and automatic line alignment, ideal for monitoring various utility meters (heat, water, electricity, gas).
- Reliable Data Logging and Remote Access: Built-in datalogger with real-time clock (RTC) ensures precise timestamping of records. Data can be transmitted to FTP and MQTT servers via 4G LTE or Ethernet for remote monitoring and data analysis.
- Robust Power Supply and Protection: Operates on a 100-240V AC power supply with overvoltage, overheating, and short circuit protection, ensuring stable performance even in demanding environments.

Characteristics

General

Input Voltage:	100-240V AC (0.25A), 50/60Hz

Specifications

CPU:	Cortex M4
Flash:	8 MB, up to 5 years storage.
GSM:	850/900/1800/1900 MHz
LTE-FDD:	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66
LTE-TDD:	B34/B38/B39/B40/B41
External storage:	32GB microSD card

Interfaces

RS232:	Up to 15m distance, speed up to 57600 bps
RS485:	Up to 1.2 km distance, speed up to 57600 bps
M-Bus:	Up to 20 devices (120mA load)
USB:	Type C, ver. 2.0
Ethernet:	RJ45 Twisted pair 10/100 Mb, up to 100m

LED Indication

Power supply status
Serial connection status
4G connection status
M-Bus status
Ethernet connection status

Supported protocols

Modbus RTU, Modbus TCP, M-Bus, MQTT, FTP (server/client)

Working conditions

Working temperature:	-25ºC to +70ºC
Storage temperature:	-40ºC to +70ºC
Humidity range:	5 to 95% (non-condensing)

Regulatory approvals

EN 55022:2000+A1+AC:2002+A2:2003
EN 55024:2000+A1:2003+A2:2003
EN 61000-4-5:2002+A1:2003
EN 61000-4-6:2002+A1:2003
EN 61000-4-2+A1+A2:2002
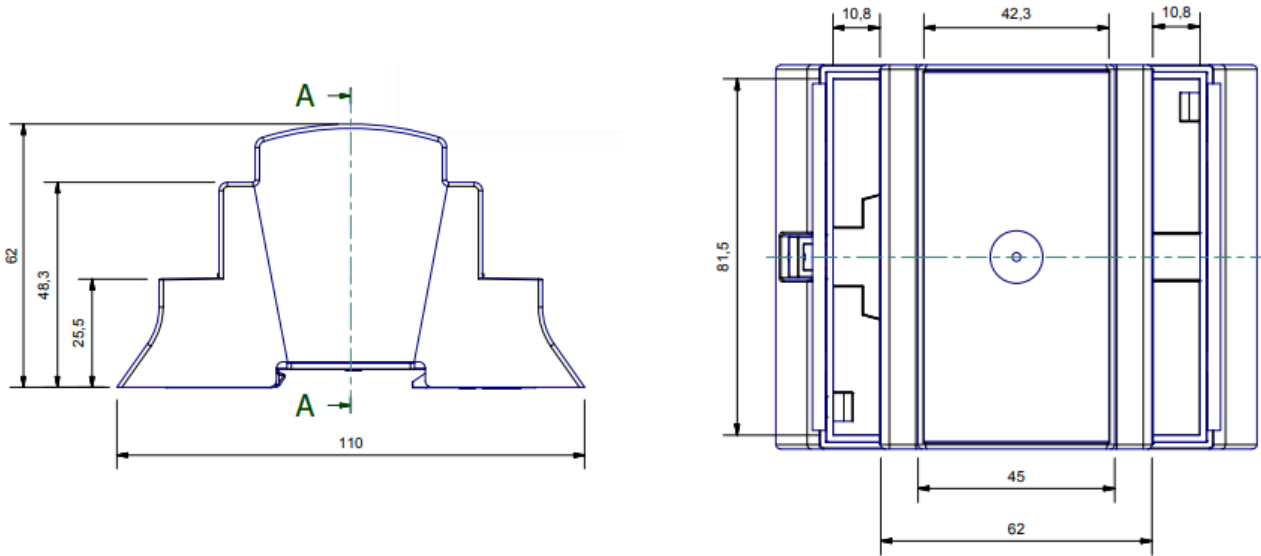EN 61000-4-3+A1:2004
EN 61000-4-4:2005

CE

Physical characteristics

Dimensions:	88x110x62 mm
Weight:	275 g
Material:	PC/ABS
Protection type:	IP20
Mounting:	DIN rail compatible

Other features

Made in the EU

Dimensions (mm)

Ordering code

MODEL	Interface	Interface	Interface	Interface	SD card
702 . 062 .	**A**	**B**	**C**	**D .**	**E .**

0 – None
1 – RS485
2 – RS232
0 – None
4 – M-Bus
0 – None
1 – Ethernet
0 – None
6 – Global 4G
0 – None
1 – microSD card slot + 32GB card

Example: **702.062**.10161   4G modem, RS485 port, Ethernet port and microSD card