

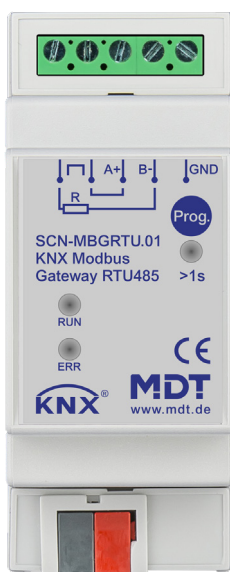
Product data sheet

Version	
SCN-MBGRTU.01	KNX Modbus Gateway RTU485

For bi-directional data exchange between Modbus RTU and the KNX bus. The MDT KNX Modbus Gateway can be used as a Modbus master or slave and integrates Modbus devices such as wallboxes, photovoltaic inverters, energy meters or climate control units. Up to 200 individual channels are available to the user.

The MDT KNX Modbus Gateway RTU485 is commissioned and configured using the Engineering Tool Software (ETS). The product database is available at www.mdt.de/downloads.html and in the ETS online catalogue.

SCN-MBGRTU.01



- KNX Modbus Gateway RTU485 with up to 200 freely configurable channels
- Can be used as a Modbus master or slave
- Slave ID can be selected separately for each channel
- Simple scaling settings by means of mathematical functions
- Value range conversions can be set for each channel
- Multi Read functionality on the Modbus side
- Read/Write function with 2 objects per channel
- Value comparator blocks each with 4 comparison values and operations
- Message texts for visualising the status of the unit
- Universally applicable, supports a wide range of Modbus and KNX data types
- No additional Modbus power supply required
- Power is supplied via the KNX connection
- Modbus / KNX galvanically isolated
- Development and production in Engelskirchen
- 3 year warranty

Technical data	
Number of Modbus devices	32
Physical Modbus interface	RS485, two-wire
Modbus power supply	Integrated via KNX bus
Modbus transmission mode	RTU, ASCII
Termination resistor	120 Ω, switchable
Available application software	as of ETS 5
Specification KNX interface	TP-256 with Long Frame support
Modbus connection terminal	Slotted head / 0.5 ... 2.5 mm ² / 0.5 nm
KNX bus connection terminal	Ø 0.8 mm, solid core
Power Supply	KNX-bus
Typical power consumption KNX bus	< 0.9 W
Ambient operating temperature	0 ... 45 °C
Protection classification	IP20
Installation width	2 SU / 36 mm

Wiring diagram: SCN-MBGRTU.01

