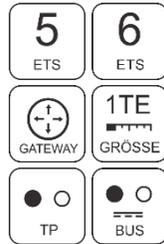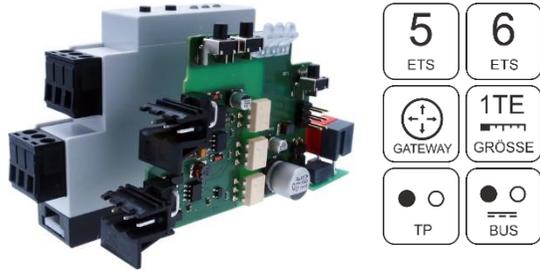WEINZIERL

Data sheet

KNX RS-485 Gateway 881

Compact Interface between RS-485 and KNX bus

Application area

The KNX RS-485 Gateway 881 is used to connect devices with RS-485 Interface to KNX bus.

Since no standard RS-485 protocol is defined, the application must be created specifically for the necessary requirements.

This includes the implementation of the corresponding telegram format for RS-485 and the definition of the required group objects on the KNX side. For this, an individual database for the ETS can be created.

The KNX RS-485 Gateway 881 is especially suitable as a platform for OEM products.

Technical Specification

Electrical safety
- Protection (acc. EN 60529): IP20

CE marking according to
- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 50491-5-1: 2010
  EN 50491-5-2: 2010
  EN 50491-5-3: 2010
- EN 61000-6-2: 2019
  EN 61000-6-3: 2007 + A1: 2011
- EN 63000: 2018

Environmental requirements
- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 … 93 %

Mechanical data
- Housing: plastic (PC)
- DIN rail mounted device, width: 1 unit (18 mm)
- Weight: approx. 50 g

Controls and indicators
- 2 buttons and 3 LEDs (multicolor)
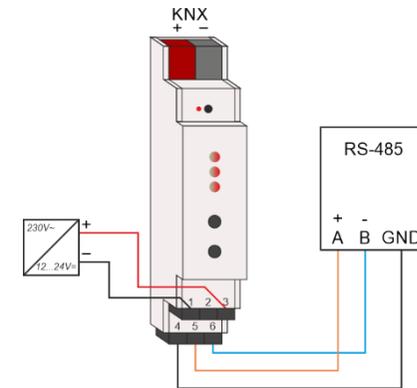- KNX programming button with LED (red)

Power supply
- KNX Bus approx. 4 mA
- RS-485-Side needs supply voltage of 12-24 V⎓

Connectors
- Connector for KNX Bus (red / black)
- Pluggable screw connector (3 poles) for RS-485
- Pluggable screw connector (3 poles) for power supply
- Cross-section of connectors: 0.34 ... 2.5 mm²

Installation Instructions
- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.

⚠ **WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

KNX