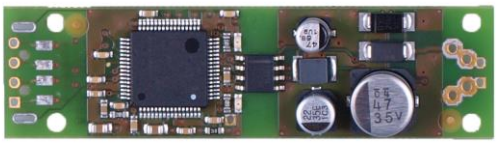
KNX USB Interface 330 Module

USB Interface Module for EIB/KNX-Bus

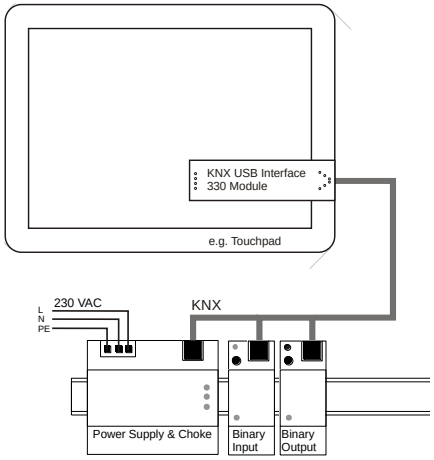
Data sheet

Application

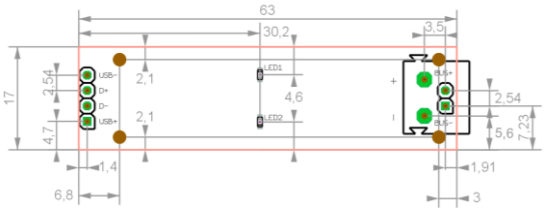
The interface is used to establish a bi-directional data link between a PC and the KNX-Bus. The module can be integrated into an existing system, such as an industrial PC. The USB connection is isolated from the KNX-Bus. The circuit is compatible with the KNX medium TP, the firmware supports the protocol EMI1.
The interface is compatible with the ETS software. For integration of the interface in programs for Windows or Linux a free SDK is available, it's called *kDrive express.*



Picture 1: Photo of module



Picture 2: Typical application



Picture 3: Drawing of the module

Technical Specification

Electrical Safety

- Safety extra low voltage SELV 30 V DC
- Galvanic isolation: 2.5 kV DC

EMC requirements

- Complies with EN 50090-2-2 and EN 50491-5-2

Environmental requirements

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

Certification

- KNX

CE norm

- Complies with the EMC regulations (residential and functional buildings) and low voltage directive

Mechanical specifications

- Dimensions (L x W): 63 mm x 17 mm
- Further dimensions see picture 3 (dimensions in mm)
- PCB thickness 1.0 mm
- Max. height of the components top: 5.40 mm
- Max. height of the components bottom: 1.30 mm
- Diameter pin holes: 0.9 mm / 1.0 mm
- Weight: ca. 5 g
- Installation: Must be mounted into an appropriate enclosure before connecting to USB or KNX.

Indicators

- Signal-LED (1) green for USB connection
- Signal-LED (2) green for KNX connection

Power supply

- The circuit part for the communication via USB is supplied by the connected host (e.g. touchpad), the supply voltage is indicated by the corresponding LED.
  Current consumption: < 40 mA
- The circuit part for communication via KNX is supplied by the connected KNX-Bus.
  Current consumption: < 4 mA

Connectors

- KNX: KNX connector (pins 1 mm) or 2.54 mm pin headers (2 poles)
- USB: 2.54 mm pin headers (4 poles)
- Pin assignment see picture 3
- Delivery without pins or pin headers

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