KNX USB Interface

IN00A01USB

Application area

This interface is for establish a bidirectional connection between a PC and the EIB/KNX installation bus. The USB connector has a galvanic separation from the EIB/KNX bus. Both ETS (Engineering Tool Software) versions ETS3 or later and some Visualization tools support this interface.
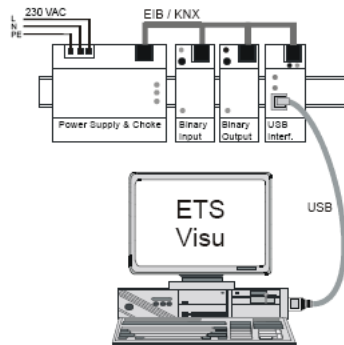

Figure 1: Photo of device

Figure 2: Typical application

Application Programs

Requires no application programs.

Technical Specifications

Electrical Safety
- Protection (acc. EN 60529): IP 20
- Bus safety extra low voltage SELV DC 24 V

EMC requirements
- Complies with EN 61000-6-2, EN 61000-6-3 and EN 50090-2-2

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

Certification
- EIB/KNX

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

Physical specifications
- Housing: Plastic
- DIN rail mounted device, width: 36 mm
- Weight: approx. 100 g
- Fire load: approx. 1000 kJ

Indicators
- Signal-LED (green) for USB-Connection
- Signal-LED (yellow) for Communication

Power supply
- The part of circuit for communication over USB is supplied by the connected PC / Laptop, correct operation is signalled by the green LED (USB).
- Power consumption: < 200 mW
- The part of circuit for communication over EIB/KNX is supplied by EIB/KNX bus.
  Power consumption: < 300 mW

Connectors
- EIB/KNX connection terminal
- USB: USB connector type B
  Wire length max. 5 m