

## Data sheet

**KNX USB Interface 312**

(Art. # 5229)

*Compact Interface between PC and KNX bus*

Photo of the device

**Application area**

The KNX USB Interface 312 is a data interface between a PC or laptop and the KNX installation bus. The USB connector is galvanic isolated from the KNX bus.

The device is compatible with ETS® Software Version 3 (or higher) and supports KNX extended frames. The LEDs on the front panel indicate the operating status and communication errors on the bus.

**Notes for developers:** In addition to the telegram interface via cEMI, the KNX USB Interface 312 includes a complete KNX Stack with communication objects and BAOS protocol V2. Thus, the device offers the possibility to extend devices with USB connection to full KNX devices, which can even be programmed by ETS.

For more information about this solution and available SDKs please contact WEINZIERL.

**Technical Specification**

## Electrical safety

- Protection (acc. EN 60529): IP 20

## CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 50491-3: 2009
- EN 50491-5-1: 2010,  
EN 50491-5-2: 2010,  
EN 50491-5-3: 2010
- EN 61000-6-2: 2005  
EN 61000-6-3: 2007 + A1: 2011
- EN 50581: 2012

## 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. 40 g

## Indicators

- 2 LEDs, multicolor

## KNX

- Medium TP
- Interface protocol: HID/cEMI
- Max. APDU Length: 55

## Power supply

- USB < 100 mW
- KNX < 100 mW

## Connectors

- Connector for KNX TP Bus (red / black)
- USB: Connector type B,
- Max. cable length: 5 m

**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.

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