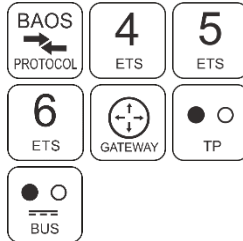


Data sheet

KNX BAOS Module 832

Serial Interface and ObjectServer for KNX Bus



(Art. # 5239)

Application area

KNX BAOS Module 832 serves as a serial interface to KNX. BAOS stands for "Bus Access and Object Server". The module allows the access to the KNX bus on telegram level (KNX Link Layer) as well as on data point level (KNX Application Layer). The connection between application and KNX BAOS Module is established via a UART connection (FT1.2 framing).

The module can be used to easily develop KNX devices (e.g. sensor, actuator or gateway) with low investment. It is also an option to add KNX connectivity to existing devices with limited development effort.

For a quick start a generic ETS entry with 1000 group objects is available. Individual ETS entries can be created as well. The KNX BAOS Module 832 is powered via the bus and provides a power output for the application.

Technical Specification**Electrical safety**

- Safety extra low voltage SELV DC 29 V

Compliant with

- RoHS directive 2011 / 65 / EU
- 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

- Dimensions: (L x W): 29 x 25 mm
- Height: 9 mm (without Pins), Board: 1 mm
- Weight: approx. 6 g

KNX

- Certified KNX Stack (System B)
- Long frames, max. APDU length 55
- Up to 1000 group objects
- Up to 70 kByte parameter space

Power supply

- From KNX bus
- Current consumption 5 ... 30 mA depending on external load

Power Output

- Power supply for application
- Output V20: 20 V DC, up to 16 mA
- Output VCC: 3.3 V DC, up to 90 mA

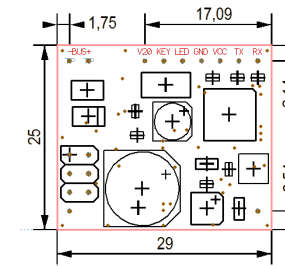
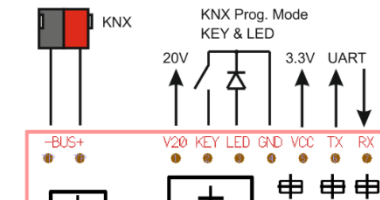
Host Interface

- No galvanic isolation from bus
- Baud rate 19.2 / 115 kBit/s, 8e1
- Serial frame format FT1.2
- KNX telegram format: common EMI (cEMI)
- BAOS Protocol V2

Documentation and Source Code

The complete KNX BAOS Starter Kit documentation, the ETS databases, the source code of the demo application can be found on our BAOS download page at:

<http://www.weinzierl.de>

Dimensions**PIN assignment**

- KNX Bus -
- KNX Bus +
- Host interface V20 out
- Key for programming mode
- LED for programming mode
- Host interface GND
- Host interface VCC out
- Host interface UART TX (to host)
- Host interface UART RX (to module)

ETS6 Datenbank

www.weinzierl.de/de/products/832/ets6



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