Ethernet

KL6581 EnOcean master terminal

KL6583 Wireless Adapter with EnOcean radio receiver

Battery-less switch, temperature sensor and actuators with EnOcean radio technology

HF transmitter   HF receiver

HF transmitter   HF receiver

HF transmitter   HF receiver

Radio connection: range approx. 300 m in the free field and approx. 30 m in the building

HF transmitter

KL6583 | EnOcean transmitter and receiver

The KL6583 EnOcean module enables EnOcean data to be transmitted and received. An antenna is integrated in the device. The KL6583 module is supplied with 24 V and offers a bus connection to the KL6581 EnOcean master terminal. Data is transmitted from the EnOcean module to the EnOcean master terminal via a 2-wire bus. The data is transmitted to the KL6581 and is thus available to the application. The length of the data bus may be max. 500 m. The KL6583 is addressed via an address selection switch. Up to eight KL6583 modules can be connected to a KL6581.

Technical data	KL6583
Technology	EnOcean
Number of channels	–
Connection	2 x 2-wires directly at the KL6581 Bus Terminal
Data transfer standard	bidirectional
Data transfer rates	–
Cable length	max. 500 m
Power supply	via KL6581 (24 V DC)
Connecting cable	up to 500 m
Current consumption	20 mA (24 V DC)
Current consumption K-bus	–
Current consumption power contacts	typ. 20 mA (24 V DC)
Configuration	not required
Frequency band	868.35 MHz
Data transfer range	300 m in the free field, 30 m within buildings
Radio telegram	depending on the sensor type (32 bits sensor ID number, unlimited number of useful bytes), send and receive
Receiving antenna	integrated in the housing
Housing	round upper part for mounting (ceiling/wall) with flange connection for main housing, upper part with cable feed-through; colour: grey white (RAL 9002)
Nominal voltage	24 V DC (via KL6581)
Special features	connection to KL6581 EnOcean master
Dimensions	height: 57 mm, diameter: 72 mm (round upper part for mounting); diameter: 110 mm (main housing with flange connection)
Weight	approx. 90 g
Operating/storage temperature	0…+55 °C/-25…+85 °C
Relative humidity	95 %, no condensation
Protect. class/installation pos.	IP 40/variable

Further EnOcean products	
KL6581	EnOcean master terminal

Accessories	
TwinCAT PLC EnOcean	The library is installed free of charge together with TwinCAT from V2.11 Build 2229 (R3 and x64 engineering).

System	
EnOcean	For further EnOcean products please see the system overview.

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