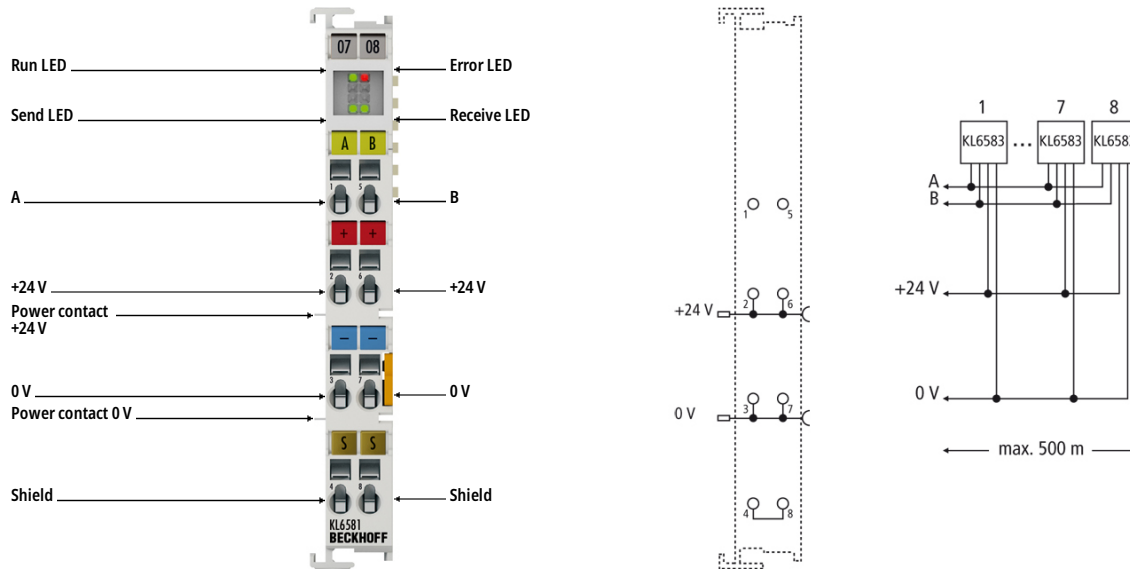
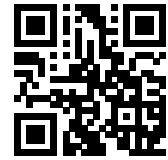


KL6581 | Bus Terminal, 1-channel communication interface, EnOcean, master



i Product status: Regular delivery

The bidirectional EnOcean technology receives signals from battery-less sensors or transmits data to actuators. With a radio signal range of 30 m, the wiring of buildings can be simplified significantly. The KL6581 EnOcean master terminal is the link between the KL6583 EnOcean transmitter and receiver modules and the application. Up to eight KL6583 EnOcean transmitters and receivers can be connected to a KL6581 EnOcean master terminal. The KL6583 modules are connected to the KL6581 via two wires for the power supply and two wires for the data bus that transmits the EnOcean telegrams. The maximum total length of the data bus is 500 m.

Product information

Technical data

Technical data	KL6581
Technology	EnOcean
Number of channels	1
Supported telegrams	RPS (Repeated Switch Communication), RORG: F6, ORG: 05 1BS (1 Byte Communication), RORG: D5, ORG: 06 4BS (4 Byte Communication), RORG: A5, ORG: 07
Connection	2 x 2-wires directly at the KL6583 EnOcean module (connection of max. 8 KL6583)
Data transfer standard	–
Data transfer rates	125 kbaud
Cable length	max. 500 m

Power supply	via the K-bus
Connecting cable	up to 500 m
Current consumption K-bus	typ. 60 mA
Current consumption power contacts	typ. 20 mA + load
Configuration	not required
Nominal voltage	24 V DC (-15 %/+20 %)
Special features	up to 8 KL6583 EnOcean transmitter and receiver modules
Weight	approx. 85 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Protect. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL

Housing data	KL-12-8pin
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	labeling of the BZxxx series
Wiring	solid conductor (e), flexible conductor (f) and ferrule (a): spring actuation by screwdriver
Connection cross-section	s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ²
Connection cross-section AWG	s*: AWG 28...14, st*: AWG 28...14, f*: AWG 26...16
Stripping length	8...9 mm
Current load power contacts	I _{max} : 10 A

*s: solid wire; st: stranded wire; f: with ferrule