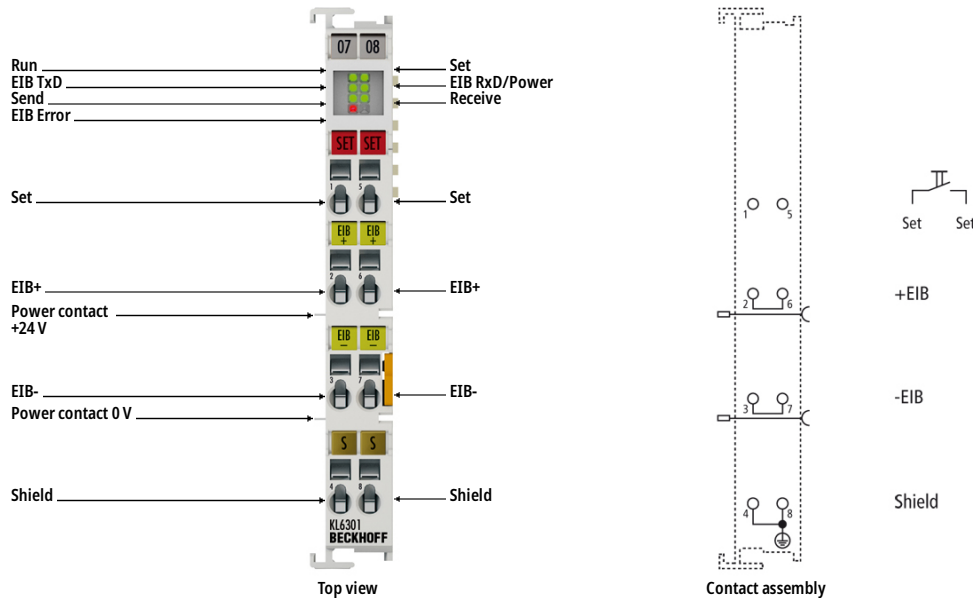
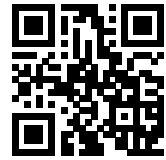


KL6301 | Bus Terminal, 1-channel communication interface, KNX/EIB



i Product status: Regular delivery

The KL6301 KNX/EIB Bus Terminal is integrated in an KNX/EIB network and can receive/transmit data from/to other KNX/EIB devices. Due to the integration in the Bus Terminal system, KNX/EIB components can also be integrated in higher-level bus systems such as Ethernet. The Bus Terminal is commissioned or configured via TwinCAT function blocks. Status LEDs directly indicate the bus status. The KNX/EIB terminal operates independent of the bus system used. Several KL6301 can be used with a single Bus Coupler or a Bus Terminal Controller. Up to 256 group addresses can be received; sending is only limited by the application.

Product information

Technical data

Technical data	KL6301
Technology	KNX/EIB
Number of channels	1
Data transfer standard	twisted pair (TP)
Connection	2-wire
Data transfer channels	1
Data transfer rates	9600 baud
Bus access	CSMA/CA
Cable length	–

Current consumption K-bus	typ. 55 mA
Current consumption power contacts	–
Short-circuit proof	yes
Electrical isolation	500 V (K-bus/EIB)
Bit width in the process image	input/output: 24 bytes
Configuration	TwinCAT (function blocks)
Nominal voltage	24 V DC (-15 %/+20 %)
Input voltage	24 V DC (-15 %/+20 %)
Special features	TwinCAT library: TwinCAT PLC EIB
Weight	approx. 85 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc

Housing data	KL-12-8pin	KS-12-8pin
Design form	compact terminal housing with signal LEDs	terminal housing with pluggable wiring level
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	s*: 0.08...1.5 mm ² , st*: 0.08...1.5 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	s*: AWG 28...16, st*: AWG 28...16, f*: AWG 26...16
Stripping length	8...9 mm	9...10 mm
Current load power contacts	I _{max} : 10 A	

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