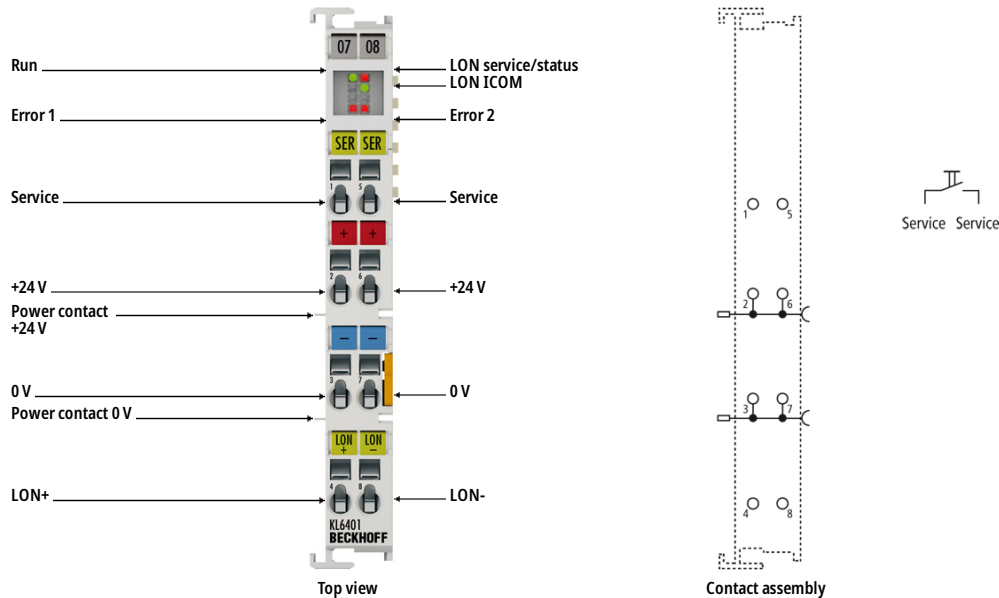


# KL6401 | Bus Terminal, 1-channel communication interface, LON



**i Product status:** Regular delivery

The KL6401 LON Bus Terminal enables direct connection of LON devices. The network variables of the connected devices are available for the Bus Coupler or the higher-level bus system. This simplifies the data exchange between a variety of systems and a LON network. Status LEDs directly indicate the bus status. The LON terminal operates independent of the bus system used. Several KL6401 can be used with a single Bus Coupler or a Bus Terminal Controller. The KL6401 supports 62 SNVTs. All SNVT types can be configured as input or output variable via the KS2000 software. The KS2000 software generates an XIF file that is integrated in an LON tool.

## Product information

### Technical data

Technical data	KL6401
Technology	LON
Number of channels	1
Data transfer standard	FTT-10, LPT
Data transfer channels	1
Network variables	62 (standard network variables SNVTs), max. 15 LON devices
Data transfer rates	78 kbit/s
Bus segment length	500 m
Bus access	CSMA

Current consumption K-bus	typ. 55 mA
Current consumption power contacts	load only
Electrical isolation	500 V (K-bus/LON-bus)
Bit width in the process image	input/output: 36 bytes
Configuration	KS2000, LonMaker or another LON Tool, TwinCAT (function blocks)
Nominal voltage	24 V DC (-15 %/+20 %)
Special features	15 devices; TwinCAT library: TwinCAT PLC LON
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 <sup>2</sup> , st*: 0.08...2.5 mm <sup>2</sup> , f*: 0.14...1.5 mm <sup>2</sup>	s*: 0.08...1.5 mm <sup>2</sup> , st*: 0.08...1.5 mm <sup>2</sup> , f*: 0.14...1.5 mm <sup>2</sup>
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 <sub>max</sub> : 10 A	

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