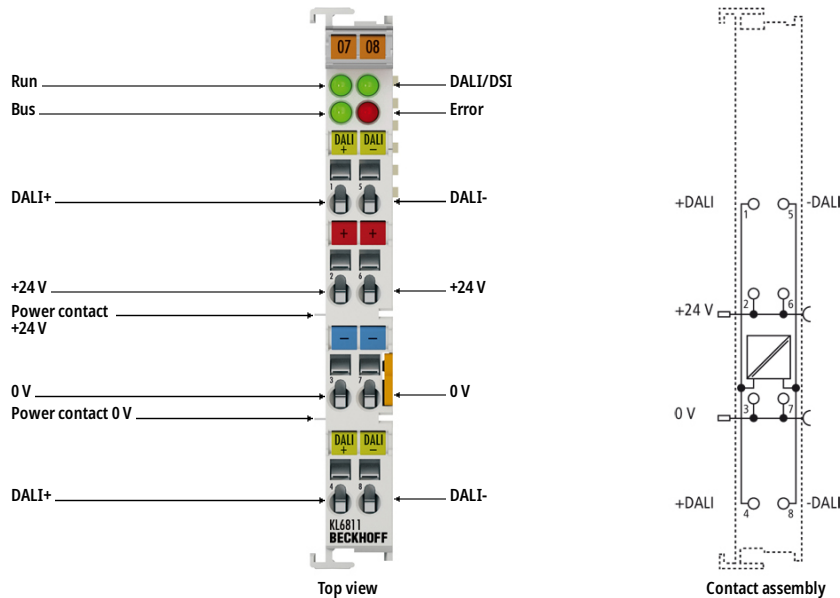
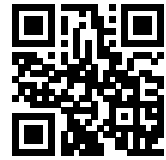


KL6811 | Bus Terminal, 1-channel communication interface, DALI/DSI, master/power supply



i Product status: Regular delivery

The KL6811 enables the connection of up to 64 DALI slaves. The KS2000 software enables simple configuration via a PC that is directly coupled with the bus coupler via an RS232 interface or via the fieldbus. The KL6811 contains an integrated DALI bus power supply with galvanically isolated output voltage. No further components are required for the operation of the DALI slaves. The KL6811 operates fieldbus-independently.

Product information

Technical data

Technical data	KL6811, KS6811
Technology	DALI/DSI
Number of channels	1
Slaves/groups	max. 64/max. 16
Data transfer channels	1
Data transfer standard	DALI
Data transfer rates	1200 baud
Current consumption K-bus	typ. 55 mA
Current consumption power contacts	typ. 30 mA + load
Electrical isolation	500 V (K-bus/DALI-bus)
Bit width in the process image	Input/Output: 3 Byte each

Configuration	via the Bus Coupler or the controller
Nominal voltage	24 V DC (-15 %/+20 %)
Input voltage	24 V DC (-15 %/+20 %)
Insulation voltage	DALI-bus/K-bus: 1,500 V DC, DALI-bus/power contacts: 1,500 V DC
DALI/DSI	standards-compliant, open circuit voltage 11.5...15 V DC
DALI power supply	max. 130 mA
Surge voltage resistance	constant load 275 V AC _{rms}
Special features	connection of up to 64 DALI slaves; TwinCAT library: TwinCAT PLC DALI
Weight	approx. 80 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
Pluggable wiring	for all KSxxxx Bus Terminals
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

Ordering information

Ordering information

KL6811	Bus Terminal, 1-channel communication interface, DALI/DSI, master/power supply
KS6811	Bus Terminal, 1-channel communication interface, DALI/DSI, master/power supply, pluggable wiring
