

KL1498 | Bus Terminal, 8-channel digital input, 24 V DC, 0.2 ms, ground switching

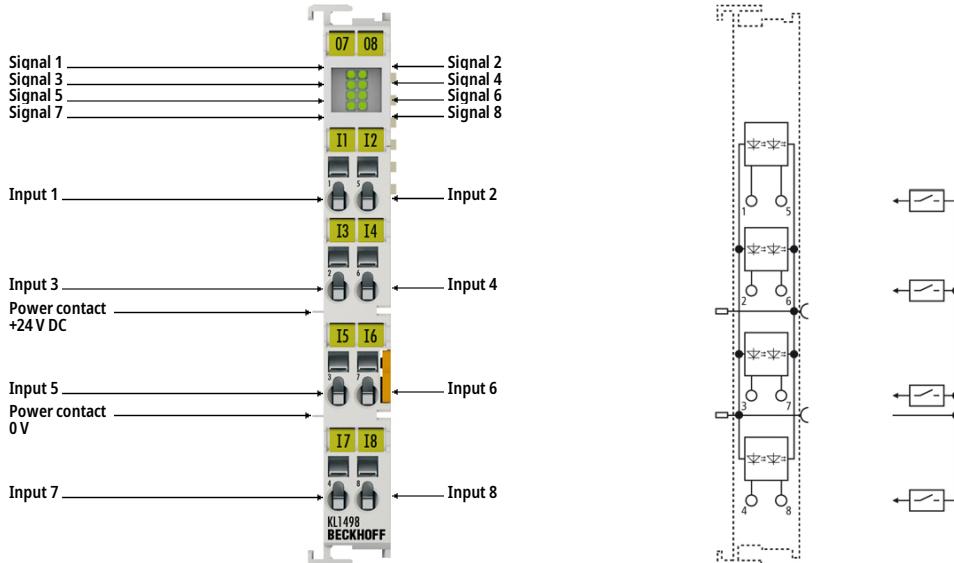
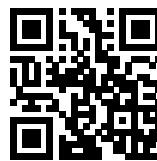


Image similar, may contain optional accessories

Product status: regular delivery

The KL1498 digital input terminal acquires the binary 24 V DC control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The bus terminal contains eight channels, whose signal states are indicated by light emitting diodes. The KL1498 has the 24 V DC power contact as the reference point for all inputs. The power contacts are connected through.

Special features:

- ground switching
- low delay due to 0.2 ms input filter
- direct connection of multi-channel sensors in 1-wire connection technology in the smallest space

Product information

Technical data

Technical data	KL1498
Connection technology	1-wire
Specification	ground switching
Number of inputs	8
Nominal voltage	24 V DC (-15%/+20%)

"0" signal voltage	18...30 V
"1" signal voltage	0...7 V
Input filter	typ. 0.2 ms
Input current	typ. 3 mA
Current consumption K-bus	typ. 5 mA
Current consumption power contacts	typ. 2 mA + load
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	8 inputs
Configuration	no address or configuration setting
Weight	approx. 55 g
Operating temperature	0...55°C
Storage temperature	-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, CCC, UL, ATEX, IECEx
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec 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	
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 BZxxxx series	
Wiring	solid conductor (s), flexible conductor (st) and ferrule (f): 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*: AWG28...14, st*: AWG28...14, f*: AWG26...16	s*: AWG28...16, st*: AWG28...16, f*: AWG26...16

Stripping length	8...9 mm	9...10 mm
Current load power contacts	I_{max} : 10 A	
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm	

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