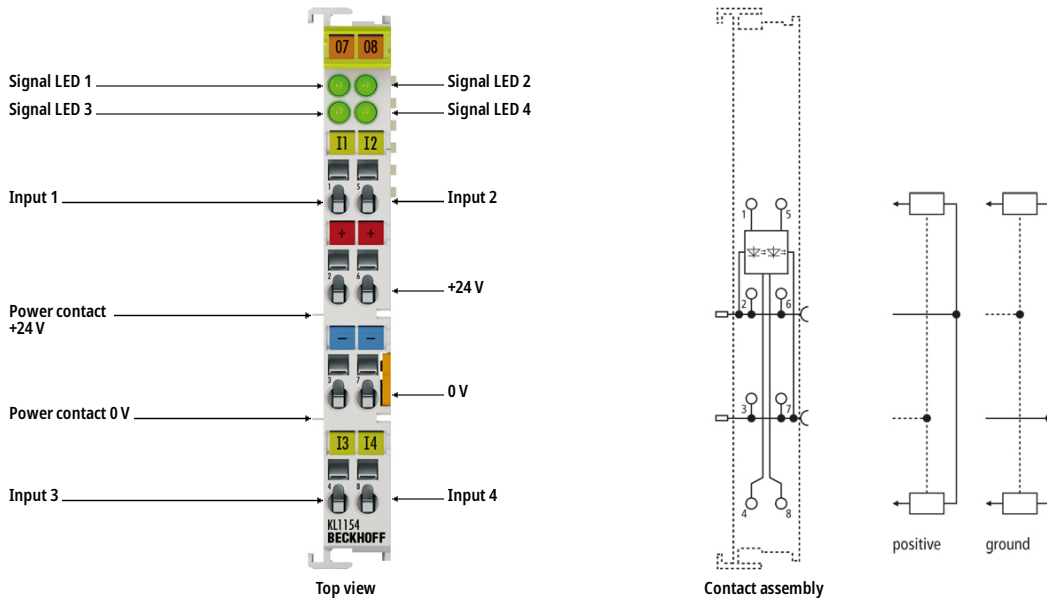
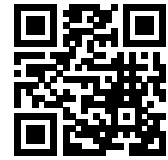


KL1154 | Bus Terminal, 4-channel digital input, 24 V DC, 3 ms, positive/ground switching



i **Product status:** regular delivery

The KL1154 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 four channels that indicate its signal state by means of light emitting diodes.

Special features:

- flexible switching logic: positive or ground switching
- no bouncing due to mechanical switches thanks to 3 ms input filter
- +24 V DC and 0 V DC sensor supply connections

Product information

Technical data

Technical data	KL1154
Connection technology	2-/3-wire
Specification	positive/ground switching
Number of inputs	4
Nominal voltage	24 V DC (-15%/+20%)
"0" signal voltage	7.6...17.4 V
"1" signal voltage	0...7 V and 18...30 V

Input filter	typ. 3.0 ms
Input current	typ. 5 mA
Current consumption K-bus	typ. 8 mA
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	4 inputs
Configuration	no address or configuration setting
Weight	approx. 55 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, 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	
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 (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	

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

Ordering information

Ordering information	
KL1154	Bus Terminal, 4-channel digital input, 24 V DC, 3 ms, positive/ground switching
KS1154	Bus Terminal, 4-channel digital input, 24 V DC, 3 ms, positive/ground switching, pluggable wiring
