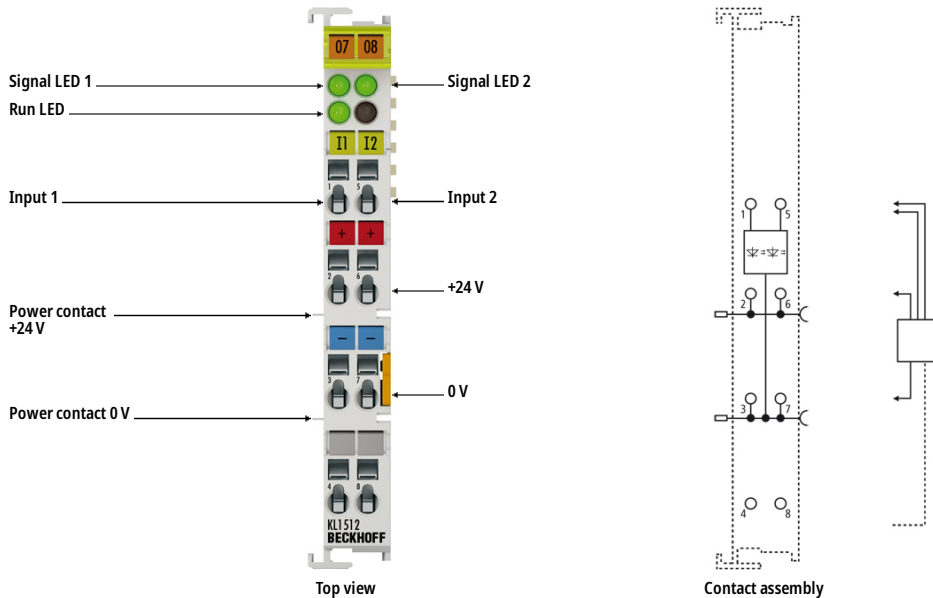
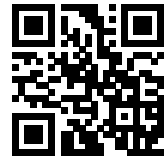


KL1512 | Bus Terminal, 2-channel digital input, counter, 24 V DC, 1 kHz



i Product status: Regular delivery

The KL1512 Bus Terminal is a 2-channel up or down counter and transports the counter value electrically isolated to the higher-level automation device. The pulses for the two counters are set via the inputs; the counting direction can be changed to down by register. The signal states of the inputs are indicated by light emitting diodes.

Special features:

- suitable for simple counting tasks with counting frequencies up to 1 kHz, such as the connection of a flow meter
- two up or down counters

Product information

Technical data

Technical data	KL1512
Connection technology	2 x up or down counter
Specification	EN 61131-2, type 1, "0": < 5 V DC, "1": > 15 V DC, typ. 5 mA
Number of counters	1 or 2
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	-3...+5 V (EN 61131-2, type 1)
"1" signal voltage	15...30 V (EN 61131-2, type 1)
Counting frequency	max. 1 kHz

Counter depth	16 bit
Input current	typ. 5 mA (EN 61131-2, type 1)
Current consumption K-bus	typ. 50 mA
Current consumption power contacts	load only
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	input/output: 16 bit data, 8 bit control/status
Configuration	via the Bus Coupler or the controller
Special features	set counters
Weight	approx. 50 g
Operating/storage temperature	-25...+60 °C/-40...+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 KSxxx 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

KL1512	Bus Terminal, 2-channel digital input, counter, 24 V DC, 1 kHz
KS1512	Bus Terminal, 2-channel digital input, counter, 24 V DC, 1 kHz, pluggable wiring
