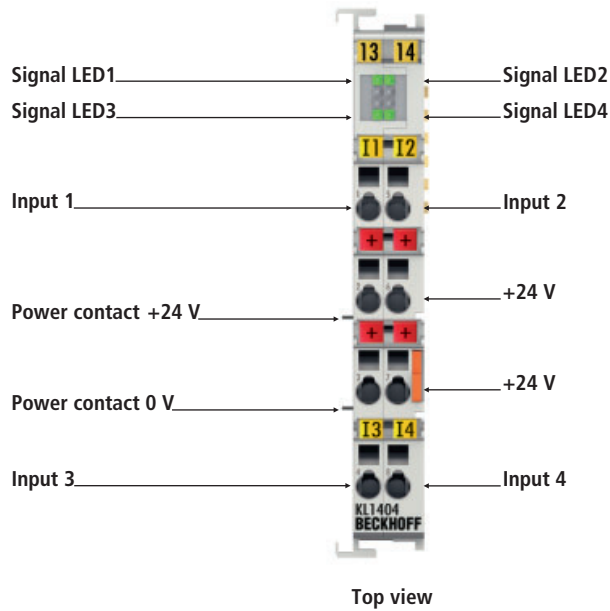


Contact assembly



2-wire

Connection

KL1404, KL1414, KL1434 | 4-channel digital input terminals 24 V DC

The KL1404, KL1414 and KL1434 digital input terminals acquire the binary 24 V control signals and transmit them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminals contain four channels that indicate their signal state by means of LEDs. The KL1404, KL1414 and KL1434 versions have different input filters. The input signal of the KL1404 and KL1414 corresponds to EN 61131-2 type 3 and is compatible with type 1. The input signal of the KL1434 corresponds to type 2. Additionally, the 4-channel Bus Terminals enable the direct connection of four 2-wire sensors. Four +24 V connection points are provided.

Technical data	KL1404 KS1404	KL1414 KS1414	KL1434 KS1434
Number of inputs	4		
Nominal voltage	24 V DC (-15 %/+20 %)		
"0" signal voltage	-3...+5 V (EN 61131-2, type 1/3)	-3...+5 V (EN 61131-2, type 1/3)	-3...+5 V (EN 61131-2, type 2)
"1" signal voltage	11...30 V (EN 61131-2, type 3)	11...30 V (EN 61131-2, type 3)	11...30 V (EN 61131-2, type 2)
"0" signal current	0...1.5 mA	0...1.5 mA	—
"1" signal current	2.0...2.5 mA	2.0...2.5 mA	typ. 6 mA (EN 61131-2, type 2)
Input filter	3.0 ms	0.2 ms	0.2 ms
Current consumption K-bus	typ. 3 mA		
Electrical isolation	500 V _{rms} (K-bus/field potential)		
Bit width in the process image	4 inputs		
Configuration	no address or configuration setting		
Weight	approx. 50 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 60068-2-27/29		
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4		
Protect. class/installation pos.	IP 20/variable		
Pluggable wiring	for all KSxxxx Bus Terminals		
Further information	www.beckhoff.com/KL1404		