



KL1002, KL1012 | 2-channel digital input terminals 24 V DC

The KL1002 and KL1012 digital input terminals acquire the binary control signals from the process level and transmit them, in an electrically isolated form, to the higher-level automation unit. The KL1002 and KL1012 versions have input filters of different speeds. The Bus Terminals contain two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1002 KS1002	KL1012 KS1012
Number of inputs	2	
Nominal voltage	24 V DC (-15 %/+20 %)	
"0" signal voltage	-3...+5 V	
"1" signal voltage	15...30 V	
Input filter	3.0 ms	0.2 ms
Input current	typ. 5 mA	
Current consumption K-bus	typ. 3 mA	
Electrical isolation	500 V _{rms} (K-bus/field potential)	
Bit width in the process image	2 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/KL1002	