



KL1002 | 2-channel digital input terminal 24 V DC

The KL1002 digital input terminal acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1002 KS1002
Connection technology	4-wire
Specification	EN 61131-2, type 1/3
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	typ. 3.0 ms
Input current	typ. 5 mA
Current consumption K-bus	typ. 3 mA
Electrical isolation	500 V (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	-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. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex, GL