



KL1052 | 2-channel digital input terminal 24 V DC, switching to positive and ground potentials

The KL1052 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. Sensors that switch to the positive potential or to ground can be connected to the KL1052 version. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1052 KS1052
Connection technology	4-wire
Specification	positive and ground switching
Number of inputs	2
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. 3.0 mA
Current consumption K-bus	typ. 8 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	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. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex

Special terminals	
KL1052-0010	96 V DC positive and ground switching, not in accordance with the EN 61131-2 specifications: I high = 3 mA, I low = 0.5 mA