



KL1712 | 2-channel digital input terminal 120 V AC/DC

The KL1712 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. It is possible to connect 120 V AC/DC actuators directly. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1712 KS1712
Connection technology	4-wire
Number of inputs	2
Nominal voltage	120 V AC/DC
"0" signal voltage	0...40 V
"1" signal voltage	80...140 V
Input filter	typ. 10 ms
Input current	> 3 mA, typ. 6 mA
Current consumpt. K-bus	typ. 3 mA
Switching times	10 ms
Electrical isolation	500 V (K-bus/mains voltage); 3,750 V AC, 1 min.
Bit width in the process image	2 inputs
Configuration	no address or configuration setting
Special features	120 V AC power grids
Weight	approx. 60 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	
KL1712-0010	24 V AC/DC input circuit
KL1712-0060	2-channel digital input terminal 60 V DC, 4-wire system