



KL1702 | 2-channel digital input terminal 120/230 V AC

The KL1702 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/230 V AC sensors directly. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1702 KS1702
Connection technology	4-wire
Number of inputs	2
Nominal voltage	120/230 V AC
"0" signal voltage	0...40 V
"1" signal voltage	79...260 V
Input filter	typ. 10 ms
Input current	> 3 mA, typ. 6 mA
Current consumption K-bus	typ. 3 mA
Switching times	10 ms
Electrical isolation	500 V (K-bus/mains voltage); 3750 V AC, 1 min.
Bit width in the process image	2 inputs
Configuration	no address or configuration setting
Special features	ohmic/capacitive input behaviour
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/markings	CE, UL, ATEX, GL
Ex marking	II 3 G Ex nA IIC T4 Gc

Ordering information	
KL1702	2-channel digital input terminal 120 V AC to 230 V AC, 4-wire system
KL1702-0010	230 V AC input circuit with type 2 characteristics