



Two-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	
Rated voltage		24 V _{DC} (-15%/+20%)	
Signal voltage "0"		-3 V ... +5 V	
Signal voltage "1"		+15 V ... +30 V	
Input filter		3 ms	0.2 ms
Input current		typically 5 mA	
Current consumption from K-bus		typically 3 mA	
Electrical isolation		500 V _{rms} (K-Bus/field potential)	
Bit width in process image		2 input bits	
Configuration		no address-or configuration settings required	
Dimensions (W x H x D)		15mm x 100mm x 70mm (connected width: 12mm)	
Weight		approx. 50 g	
Permissible ambient temperature range	during operation	-0°C... +55°C	
	during storage	-25°C... +85°C	
Relative humidity		5% ... 95%, no condensation	
Vibration / shock resistance		conforms to EN 60068-2-6 / EN 60068-2-27, EN 60068-2-29	
EMC resistance/emission		conforms to EN 61000-6-2 / EN 61000-6-4	
Installation position		variable	
Protection class		IP20	
Approval		CE	
Pluggable wiring		at all KSxxxx series terminals	