



## KL1408, KL1418 | 8-channel digital input terminals 24 V DC

The digital input terminals KL1408 and KL1418 acquire the binary control signals from the process level and transmit them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminals contain eight channels which indicate their signal state by means of light emitting diodes. They are particularly suitable for space-saving use in control cabinets. By using the single-ended connection technique, a multi-channel sensor can be connected in the smallest space with a minimum amount of wiring. The power contacts are looped through.

For the KL1408 and KL1418 Bus Terminals, the reference ground for all inputs is the 0 V power contact. These versions have input filters with different speeds.

Technical data	KL1408   KS1408	KL1418   KS1418
Connection technology	1-wire	
Specification	EN 61131-2, type 1/3	
Number of inputs	8	
Nominal voltage	24 V DC (-15 %/+20 %)	
"0" signal voltage	-3...+5 V (EN 61131-2, type 1/3)	
"1" signal voltage	11...30 V (EN 61131-2, type 3)	
"0" signal current	0...1.5 mA	
"1" signal current	2.0...2.5 mA	
Input filter	typ. 3.0 ms	typ. 0.2 ms
Current consumpt. K-bus	typ. 5 mA	
Current consumption power contacts	typ. 2 mA + load	
Electrical isolation	500 V (K-bus/field potential)	
Bit width in the process image	8 inputs	
Configuration	no address or configuration setting	
Weight	approx. 55 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 60068-2-27/29	
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	