



## KL1488 | 8-channel digital input terminal 24 V DC

The digital input terminal KL1488 (negative switching) acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminal contains eight channels which indicate their signal state by means of light emitting diodes. The KL1488 is 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 KL1488, the reference point for all inputs is the 24 V power contact.

Technical data	KL1488   KS1488
Connection technology	1-wire
Specification	negative switching
Number of inputs	8
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	18...30 V
"1" signal voltage	0...7 V
"0" signal current	–
"1" signal current	typ. 3 mA
Input filter	typ. 3.0 ms
Current consumption 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	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



### Product announcement

**KL1488: available**  
KS1488: estimated market release on request