Signal LED1 — Signal LED2

Signal LED3 — Signal LED4

Input 1 — Input 2

+24 V

Power contact +24 V

+24 V

Power contact 0 V

Input 3 — Input 4

25 g

Top view   **Contact assembly**

KL1404 | 4-channel digital input terminal 24 V DC

The KL1404 digital input terminal acquires the binary 24 V control signals and transmits them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminal contains four channels that indicate their signal state by means of LEDs. The input signal corresponds to EN 61131-2 type 3 and is compatible with type 1. Additionally, the 4-channel Bus Terminal enables the direct connection of four 2-wire sensors. Four +24 V connection points are provided.

Technical data	KL1404 | KS1404
Connection technology	2-wire
Specification	EN 61131-2, type 1/3
Number of inputs	4
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
Current consumption K-bus	typ. 3 mA
Current consumption power contacts	typ. 1 mA + load
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	4 inputs
Configuration	no address or configuration setting
Weight	approx. 50 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, GL

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