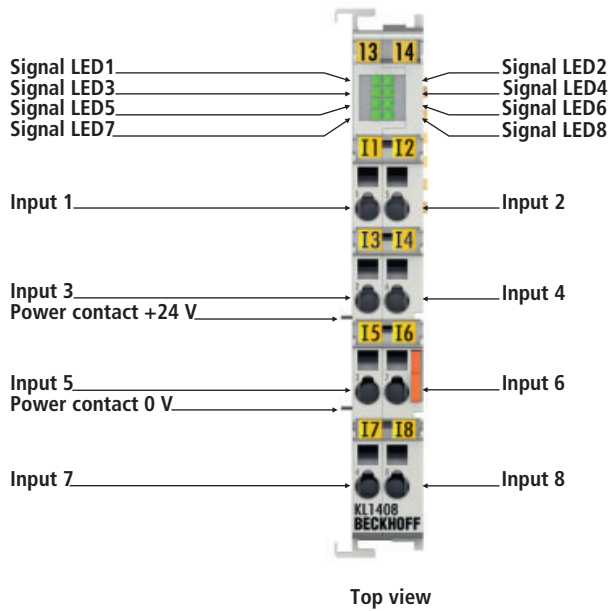


24 V DC 0 V
KL1408 KL1488
KL1418 KL1498

Connection

KL1408/18/88/98 | 8-channel digital input terminals 24 V DC

The digital input terminals KL1408 and KL1418 (positive switching) and KL1488 and KL1498 (negative switching) 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. For the KL1488 and KL1498 Bus Terminals, the reference point for all inputs is the 24 V power contact. These versions have input filters with different speeds.

Technical data	KL1408 KS1408	KL1418 KS1418	KL1488 KS1488	KL1498 KS1498
Number of inputs	8			
Nominal voltage	24 V DC (-15 %/+20 %)			
"0" signal voltage	-3...+5 V (EN 61131-2, type 1/3)	-3...+5 V (EN 61131-2, type 1/3)	18...30 V	18...30 V
"1" signal voltage	11...30 V (EN 61131-2, type 3)	11...30 V (EN 61131-2, type 3)	0...7 V	0...7 V
"0" signal current	0...1.5 mA	0...1.5 mA	—	—
"1" signal current	2.0...2.5 mA	2.0...2.5 mA	typ. 3 mA	typ. 3 mA
Input filter	3.0 ms	0.2 ms	3.0 ms	0.2 ms
Current consumption K-bus	typ. 5 mA			
Electrical isolation	500 V _{rms} (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 60068-2-27/29			
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			
Further information	www.beckhoff.com/KL1408			