



**Eight-channel, digital input terminals, 24 V<sub>DC</sub>**

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 each contain eight channels, whose signal states are displayed by LEDs. They are particularly suitable for space-saving use in control cabinets. By using the single-conductor 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 / rated voltage	8 / 24 V <sub>DC</sub> (-15% / +20%)			
Signal voltage "0"	-3 V ... +5 V (IEC 61131-2, type 1/3)		18 V ... 30 V	
Signal voltage "1"	15 V ... 30 V (IEC 61131-2, type 3)		0 V ... 7 V	
Signal current "0"	0 ... 1.5 mA	0 ... 1.5 mA	-	-
Signal current "1"	2.0 ... 2.5 mA	2.0 ... 2.5 mA	typ. 3 mA	typ. 3 mA
Input filter	3 ms	0.2 ms	3 ms	0.2 ms
Current consumption from K-bus	typ. 5 mA			
Electrical isolation	500 V <sub>rms</sub> (K-Bus/field potential)			
Bit width in process image	8 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. 55 g			
Permissible ambient temperature range	-0°C... +55 °C in operation			
	-25°C... +85 °C during storage			
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			
Mounting position / protection class / certification	any / IP20 / CE			
Pluggable wiring	at all KSxxxx series terminals			