



Four-channel, digital input terminals, 24 V_{DC}

The KL1404, KL1414 and KL1434 digital input terminals acquire the binary control signals (24 V) and transmit them, in an electrically isolated form, to the higher-level automation unit. The Bus Terminals contain four channels that indicate their signal state by means of light emitting diodes. The KL1404, KL1414 and KL1434 versions have different input filters. The input signal of KL1404 and KL1414 corresponds to IEC 61131-2, type 1, that of KL1434 to type 2. In addition, these Bus Terminals enable direct connection of four 2-wire sensors. Four connection points for +24 V are provided.

Technical data	KL1404/KS1404	KL1414/KS1414	KL1434/KS1434
Number of inputs	4		
Rated voltage	24 V _{DC} (-15%/+20%)		
Signal voltage "0"	-3 V ... +5 V (IEC 61131-2, type 1)		-3 V ... 5 V (IEC 61131-2, type 2)
Signal voltage "1"	15 V ... 30 V (IEC 61131-2, type 1)		11 V ... 30 V (IEC 61131-2, type 2)
Input filter	3 ms	0.2 ms	0.2 ms
Input current	typ. 3 mA (IEC 61131-2, type 1)		typ. 6 mA (IEC 61131-2, type 2)
Current consumption from K-bus	typ. 3 mA		
Electrical isolation	500 V _{rms} (K-Bus/field potential)		
Bit width in process image	4 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. 50 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		
Installation position	variable		
Protection class	IP20		
Approval	CE		
Pluggable wiring	at all KSxxxx series terminals		