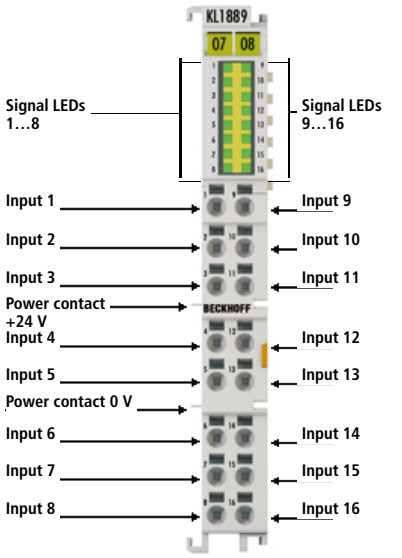
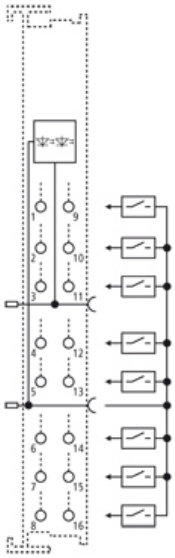


Top view


Contact assembly

KL1889 | HD Bus Terminal, 16-channel digital input 24 V DC, 0 V (ground) switching

The KL1889 digital input terminal acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation device. The Bus Terminal contains 16 channels, whose signal states are displayed by LEDs. The terminal is 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.

The KL1889 Bus Terminal takes the 24 V power contact as its reference for all inputs. The conductors can be connected without tools in the case of solid wires using a direct plug-in technique.

The HD Bus Terminals (High Density) with increased packing density feature 16 connection points in the housing of a 12 mm terminal block.

Technical data	KL1889
Connection technology	1-wire
Specification	negative switching
Number of inputs	16
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	18…30 V
"1" signal voltage	0…7 V
Input filter	typ. 3.0 ms
Input current	typ. 3 mA
Current consumpt. K-bus	typ. 20 mA
Current consumption power contacts	typ. 4 mA + load
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	16 inputs
Configuration	no address or configuration setting
Conductor types	solid wire, stranded wire and ferrule
Conductor connection	solid wire conductors: direct plug-in technique; stranded wire conductors and ferrules: spring actuation by screwdriver
Rated cross-section	solid wire: 0.08…1.5 mm²; stranded wire: 0.25…1.5 mm²; ferrule: 0.14…0.75 mm²
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 (see documentation)
Approvals	CE, UL, Ex, GL