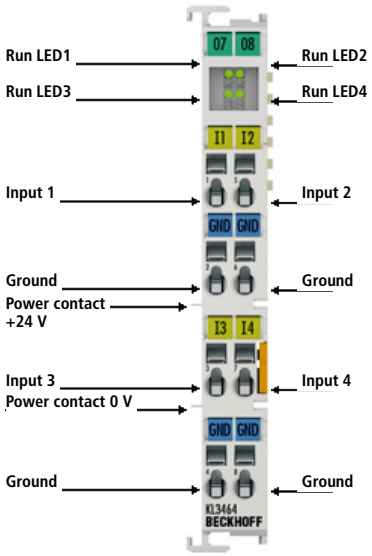
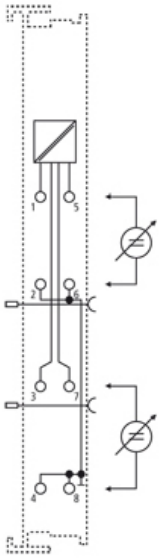
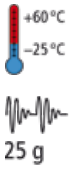


Top view


Contact assembly



KL3464, KL3468 | 4-, 8-channel analog input terminals 0…10 V

The analog input terminals KL3464 and KL3468 process signals in the range between 0 and 10 V. The voltage is digitised to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device. In the KL3464 Bus Terminal, the four inputs are 2-wire versions and have a common ground potential. The reference ground of the inputs is the internal ground. The KL3468 combines eight channels in one housing and is particularly suitable for space saving installation in control cabinets. The use of single conductor connection technology enables the connection of multi-channel sensor technology with minimum space requirements. The power contacts are connected through. The reference ground for all inputs is the 0 V power contact. The LEDs indicate the data exchange with the Bus Coupler.

Technical data	KL3464 | KS3464	KL3468 | KS3468
Number of inputs	4	8
Power supply	via the K-bus	
Signal voltage	0…10 V	
Internal resistance	> 130 kΩ	
Common-mode voltage U_{CM}	–	
Conversion time	~ 2 ms	~ 4 ms
Resolution	12 bit	
Measuring error	< ±0.3 % (relative to full scale value)	
Electrical isolation	500 V (K-bus/signal voltage)	
Current consumption power contacts	–	
Current consumpt. K-bus	typ. 100 mA	typ. 140 mA
Bit width in the process image	input: 4 x 16 bit data (4 x 8 bit control/status optional)	input: 8 x 16 bit data (8 x 8 bit control/status optional)
Configuration	no address or configuration setting	
Special features	–	high packing density
Weight	approx. 75 g	
Operating/storage temperature	-25…+60 °C/-40…+85 °C	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	

We reserve the right to make technical changes.