



## KL3404 | 4-channel analog input terminal -10...+10 V

The analog input terminal KL3404 processes signals in the range between -10 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 KL3404 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 LEDs indicate the data exchange with the Bus Coupler.

Technical data	KL3404   KS3404
Number of inputs	4
Power supply	via the K-bus
Signal voltage	-10...+10 V
Technology	single-ended
Internal resistance	> 130 kΩ
Common-mode voltage $U_{cm}$	–
Conversion time	~ 2 ms
Resolution	12 bit (for 0...10 V range: resolution 11 bit)
Measuring error	< ±0.3 % (relative to full scale value)
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	–
Current consumption K-bus	typ. 100 mA
Bit width in the process image	input: 4 x 16 bit data (4 x 8 bit control/status optional)
Configuration	no address or configuration setting
Special features	–
Weight	approx. 75 g
Operating/storage temperature	-25...+60 °C/-40...+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