



KL3061, KL3062 | 1-, 2-channel analog input terminals 0...10 V

The KL3061 and KL3062 analog input terminals handle signals in the range from 0 to 10 V. The voltage is digitised to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device. The input channels of a Bus Terminal have a common ground potential, the reference ground. The KL3061 is the single-channel variant and is characterised by its fine granularity and electrical isolation. The KL3062 version combines two channels in one housing. The run LEDs give an indication of the data exchange with the Bus Coupler.

Technical data	KL3061 KS3061	KL3062 KS3062
Number of inputs	1	2
Power supply	via the K-bus	
Signal voltage	0...10 V	
Internal resistance	> 130 k Ω	
Common-mode voltage U_{cm}	–	
Resolution	12 bit	
Conversion time	~ 1 ms	~ 2 ms
Measuring error	< ± 0.3 % (relative to full scale value)	
Electrical isolation	500 V (K-bus/signal voltage)	
Current consumption power contacts	– (no power contacts)	
Current consumpt. K-bus	typ. 60 mA	
Bit width in the process image	input: 1 x 16 bit data (1 x 8 bit control/status optional)	input: 2 x 16 bit data (2 x 8 bit control/status optional)
Configuration	no address or configuration setting	
Weight	approx. 60 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	
Pluggable wiring	for all KSxxxx Bus Terminals	
Approvals	CE, UL, Ex	

Special terminals	
KL3062-0010	Siemens S5 format
KL3062-0011	voltage level 0...20 V
KL3062-0012	fast μ P, scan time approx. 0.5 ms
KL3062-0013	voltage level 0...30 V
KL3062-0050	Siemens S7 format