



KL3468 | 8-channel analog input terminal 0...10 V

The analog input terminal KL3468 processes 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. 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	KL3468 KS3468
Number of inputs	8
Power supply	via the K-bus
Signal voltage	0...10 V
Technology	single-ended
Internal resistance	> 130 kΩ
Common-mode voltage U_{CM}	–
Conversion time	~ 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 consumption K-bus	typ. 140 mA
Bit width in the process image	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	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