

KL3468 | Bus Terminal, 8-channel analog input, voltage, 0...10 V, 12 bit, single-ended

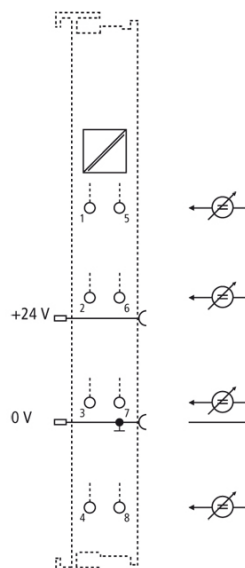
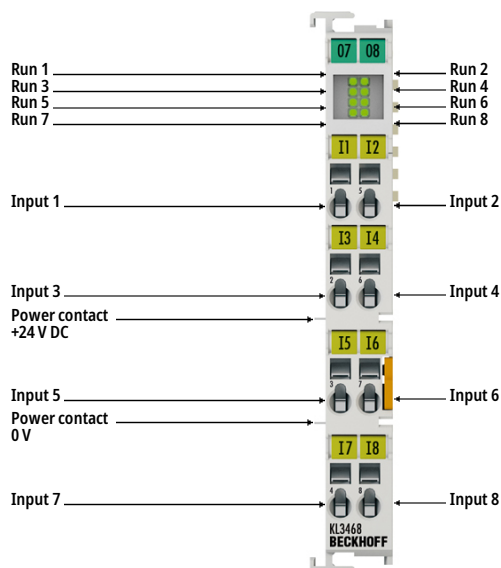


Image similar, may contain optional accessories

i **Product status:** regular delivery

The analog input terminal KL3468 processes signals in the range between 0 and 10 V. The voltage is digitized 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.

Product information

Technical data

Technical data	KL3468
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
Measurement error/uncertainty	< ±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 temperature	0...55°C
Storage temperature	-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. rating/installation pos.	IP20/variable
Approvals/markings	CE, CCC, UL, ATEX, IECEx, DNV GL
Pluggable wiring	for all KSxxxx Bus Terminals
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

Housing data	KL-12-8pin	KS-12-8pin
Design form	compact terminal housing with signal LEDs	terminal housing with pluggable wiring level
Material	polycarbonate	
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock	
Side by side mounting by means of	double slot and key connection	
Marking	labeling of the BZxxxx series	
Wiring	solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver	
Connection cross-section	s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ²	s*: 0.08...1.5 mm ² , st*: 0.08...1.5 mm ² , f*: 0.14...1.5 mm ²
Connection cross-section AWG	s*: AWG28...14, st*: AWG28...14, f*: AWG26...16	s*: AWG28...16, st*: AWG28...16, f*: AWG26...16

Stripping length	8...9 mm	9...10 mm
Current load power contacts	I _{max} : 10 A	
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm	

*s: solid wire; st: stranded wire; f: with ferrule

Ordering information

Ordering information	
KL3468	Bus Terminal, 8-channel analog input, voltage, 0...10 V, 12 bit, single-ended
KS3468	Bus Terminal, 8-channel analog input, voltage, 0...10 V, 12 bit, single-ended, pluggable wiring