



## KL3044 | 4-channel analog input terminal 0...20 mA

The job of the KL3044 analog input terminal is to transmit analog measurement signals with electrical isolation to the automation device. The input electronics is independent of the supply voltage of the power contacts. The ground connection is the reference potential for the inputs. The error LEDs indicate an overload condition. The KL3044 combines four channels in one housing.

Technical data	KL3044   KS3044
Number of inputs	4
Signal current	0...20 mA
Technology	single-ended
Internal resistance	80 $\Omega$ + 0.7 V
Common-mode voltage $U_{cm}$	–
Resolution	12 bit
Conversion time	~ 4 ms
Measuring error	< $\pm 0.3$ % (relative to full scale value)
Surge voltage resistance	35 V max.
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	– (no power contacts)
Current consumption K-bus	typ. 65 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
Weight	approx. 70 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

Special terminals	
KL3044-0050	Siemens S7 format