



KL4494 | 2-channel analog input, 2-channel analog output terminal -10...+10 V

The KL4494 Bus Terminal combines two analog inputs and two analog outputs in one housing and can process signals in the range between -10 to +10 V. The voltage is digitised to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device or to the process level. The input and output channels of the Bus Terminal have a common ground potential. The run LEDs give an indication of the data exchange with the Bus Coupler.

Technical data	KL4494 KS4494
Technology	single-ended
Number of outputs	2 outputs + 2 inputs
Number of inputs	2
Power supply	via the K-bus
Signal voltage	-10...+10 V
Internal resistance input	> 130 k Ω
Load	> 5 k Ω (short-circuit-proof)
Output error	< ± 0.3 % (relative to end value)
Resolution	12 bit
Conversion time	< 2 ms
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	only load
Current consumpt. K-bus	typ. 70 mA
Bit width in the process image	input/output: 2 x 16 bit data
Special features	input/output terminal
Weight	approx. 55 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



Product announcement

KL4494: available
KS4494: estimated market release on request