



KL4414 | 4-channel analog output terminal 0...20 mA

The KL4414 analog output terminal generates signals in the range between 0 to 20 mA. The power is supplied to the process level with a resolution of 12 bits and is electrically isolated. The output stage is powered by the 24 V supply. In the KL4414 Bus Terminal, the four outputs are 2-wire versions.

The Bus Terminal has a common ground potential. The power contacts are connected through. The reference ground of the outputs is the 0 V power contact. The LEDs indicate the data exchange with the Bus Coupler.

Technical data	KL4414 KS4414
Technology	single-ended
Number of outputs	4
Power supply	24 V DC via power contacts (alternative 15 V DC with power supply terminal KL9515)
Signal current	0...20 mA
Load	< 350 Ω (short-circuit-proof)
Output error	< ±0.1 % (relative to end value)
Resolution	12 bit
Conversion time	~ 4 ms
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	typ. 60 mA + load
Current consumption K-bus	typ. 20 mA
Bit width in the process image	output: 4 x 16 bit data (4 x 8 bit control/status optional)
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