



KL2712, KL2722, KL2732 | 2-channel triac output terminals 12...230 V AC

The KL2712 and KL2722 output terminals use a power switch to control mains voltage from 12 V to 230 V AC. The switching element is a triac, which is connected to the power contact potential. As a semiconductor switch, it is not subject to wear. The steady load capacity of a digital output is 0.5 A (KL2712) or 1 A (KL2722). The KL2712 terminal has two independent outputs. Its signal state is indicated by means of light emitting diodes. The KL2722 and KL2732 have two mutually locked outputs. They differ in terms of their interfacing with the power contacts. The KL2732 operates with two potential-free switches. All outputs indicate their logical state via an LED. The KL2722 is most suitable for reverse motors.

Technical data	KL2712 KS2712	KL2722 KS2722	KL2732 KS2732
Number of outputs	2 x make contacts	2 x make contacts, mutually locked	2 x make contacts (without power contacts)
Rated load voltage	12...230 V AC		
Output current	max. 0.025...0.5 A continuous load per channel	1 A (leakage current: typ. 0.8 mA, max. 1.5 mA)	1 A (leakage current: typ. 0.8 mA, max. 1.5 mA)
Frequency range	47...63 Hz		
Surge voltage protection	> 275 V		
Peak current	40 A (16 ms), 1.5 A (30 s)	40 A (16 ms), 3 A (30 s)	40 A (16 ms), 3 A (30 s)
Switch-on time	0.1 ms	0.1...10 ms, zero crossing	0.1...10 ms, zero crossing
Switch-off time	T/2		
Maximum residual voltage	1.5 V	1.5 V (60 mA...1 A), 150 Ω (< 60 mA)	1.5 V (60 mA...1 A), 150 Ω (< 60 mA)
Electrical isolation	500 V (K-bus/field voltage), 3,750 V AC (1 min.)		
Current consumption K-Bus	10 mA		
Bit width in the process image	2 outputs		
Configuration	no address or configuration setting		
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.	IP20 / variable		
Pluggable wiring	for all KSxxxx Bus Terminals		
Further information	www.beckhoff.com/KL2712		