



KL2712 | 2-channel triac output terminal 12...230 V AC

The KL2712 output terminal uses a power switch to control mains voltage from 12 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. The KL2712 has two independent outputs. Its signal state is indicated by means of light emitting diodes.

The terminals are most suitable for mechanical reverse motors. They are, however, not recommended to be used for controlling LEDs. In this case, proper functioning of these terminals cannot be guaranteed by the manufacturer.

Technical data	KL2712 KS2712
Connection technology	4-wire
Number of outputs	2 x make contacts
Nominal voltage	12...230 V AC
Load type	ohmic, inductive
Max. output current	2 x 0.025...0.5 A per channel
Frequency range	47...63 Hz
Surge voltage protection	> 275 V AC
Peak current	40 A (16 ms), 1.5 A (30 s)
Switch-on time	0.1 ms
Switch-off time	T/2
Max. residual voltage	1.5 V
Electrical isolation	500 V (K-bus/field voltage), 3750 V AC (1 min.)
Leakage current (OFF state)	typ. 0.8 mA, max. 1.5 mA
Current consumption power contacts	only leakage and load current
Current consumption K-bus	typ. 10 mA
Bit width in the process image	2 outputs
Configuration	no address or configuration setting
Special features	reverse motors (blinds)
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, GL