



KL2702 | 2-channel solid state load relay up to 230 V AC/DC, 0.3 A

The KL2702 output terminal uses an electronic load relay to switch a mains voltage of up to 230 V AC/DC. The switching element is a high-power MOSFET, which is connected to the power contact potential. As a semiconductor switch, it is not subject to wear. The KL2702 terminal has two independent outputs. Its signal state is indicated by means of light emitting diodes.

Technical data	KL2702 KS2702
Number of outputs	2 x make contacts
Rated load voltage	0...230 V AC/DC
Max. output current	0.3 A steady load on each channel
Surge voltage protection	> 275 V
Peak current	0.5 A (20 s), 1.5 A (100 ms)
Recommended fuse	≤ 2 A fast fuse, 1 A slow fuse
Contact resistance	2.1 Ω typ., 3.2 Ω max.
Electrical isolation	500 V _{rms} (K-bus/field voltage), 2,500 V AC (1 min.)
Switching speed	1.65 ms typ., 5 ms max.
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 60068-2-27/29
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