



KL2512 | 2-channel pulse width output terminal 24 V DC

The KL2512 output terminal switches to negative potential and enables direct connection of different ohmic loads. The output signal is a pulse-width modulated voltage. The typical load of an LED group or an incandescent lamp is connected between the positive side of the supply voltage and the output of the KL2512. Via the fieldbus the output can be set independently for two channels with a resolution of more than 30,000 steps. The PWM frequency can be changed. The power transistors switch the ground connection and are galvanically isolated from the internal K-bus.

Technical data	KL2512 KS2512
Number of outputs	2
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	ohmic
Max. output current	1.5 A
PWM clock frequency	1...20 kHz, 250 Hz default
Duty factor	0...100 %
Resolution	max. 10 bit
Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	typ. 10 mA + load
Current consumption K-bus	typ. 18 mA
Bit width in the process image	48 inputs/outputs: 2 x 16 bit data, 2 x 8 bit control/status
Configuration	no address setting, configuration via Bus Coupler or controller
Weight	approx. 50 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, Ex