



## KL2545 | 2-channel pulse width current terminal $\pm 3.5$ A, 50 V DC

The KL2545 output terminal controls an output current via pulse width control of the supply voltage. It is galvanically isolated from the K-bus. The current value (0 to  $\pm 3.5$  A) is specified by the automation device via a 16 bit value. The output stage is protected against overload and short-circuit. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes. The LEDs simplify local diagnosis by displaying typical load and wiring faults.

Technical data	KL2545   KS2545
Number of outputs	2
Rated load voltage	8...50 V DC
Auxiliary voltage	24 V DC via power contacts
Load type	inductive > 1 mH, valves, coils
Max. output current	2 x $\pm 3.5$ A (short-circuit-proof, thermal overload-proof for both channels together)
PWM clock frequency	36 kHz
Duty factor	0...100 % (current-controlled)
Resolution	max. 12 bit
Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Current consumption K-bus	typ. 100 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. 100 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/see documentation
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE



### Product announcement

KL2545: available  
KS2545: estimated market release on request