



KL2521 | 1-channel pulse train output terminal RS422/24 V DC

The KL2521 output terminal alters the frequency of a binary signal and (electrically isolated from the K-bus) outputs it. The frequency is preset by a 16 bit value from the automation unit. The output stage is RS422 compatible and, in the version KL2521-0024, can be driven with 24 V DC signals. The Bus Terminal indicates its signal state by means of light emitting diodes. The LEDs are driven in time with the outputs and each displays an active output.

Technical data	KL2521 KS2521	KL2521-0024
Number of inputs	2 (+T, +Z)	
Load type	RS422 input	24 V DC inputs
Signal voltage	RS422 level	24 V DC (externally supplied)
Max. output current	RS422 specification	0.5 A
PWM clock frequency	1...500 kHz, 50 kHz default	
Duty factor	50 % (±20 %)	
Resolution	max. 15 bit	
Electrical isolation	500 V (K-bus/field potential)	
Current consumption K-bus	typ. 50 mA, max. 120 mA (load-dependent)	
Bit width in the process image	24 inputs/outputs: 1 x 16 bit data, 1 x 8 bit control/status	
Configuration	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, UL, Ex	CE, UL

Special terminals	
KL2521-0010	with additional outputs (230 V AC/DC, 100 mA) instead of the additional inputs of the default variant