



## EL2521 | 1-channel pulse train output terminal RS422/24 V DC

The EL2521 output terminal alters the frequency of a binary signal and (electrically isolated from the E-bus) outputs it. The frequency is preset by a 16 bit value from the automation unit. The output stage is RS422-compatible. In the version EL2521-0024 it can be driven with 24 V DC signals. The 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	EL2521   ES2521
Connection technology	pulse train (frequency output)
Number of outputs	1 channel (2 differential outputs A, B)
Number of inputs	2 (+T, +Z)
Load type	ohmic, min. 220 Ω
Distributed clocks	yes
Input specification	24 V DC
Output specification	RS422, differential
Signal voltage	RS422 level
Max. output current	RS422 specification, 50 mA
Short circuit current	short-circuit-proof
Base frequency	0...500 kHz, 50 kHz default
Resolution	max. 15 bit (16 bit + sign)
Step size	10 mHz
Current consumption E-bus	typ. 280 mA (load-dependent)
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	–
Bit width in the process image	14 byte output, 8 byte input
Configuration	configuration via controller
Special features	different modes, ramp function, travel distance control
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 ESxxxx terminals
Approvals	CE, UL, Ex

Special terminals	
EL2521-0024	24 V version
EL2521-0025	pulse train output, 24 V DC (supplied from an external source), n-switching
EL2521-0124	24 V version, with Capture/Compare input/output