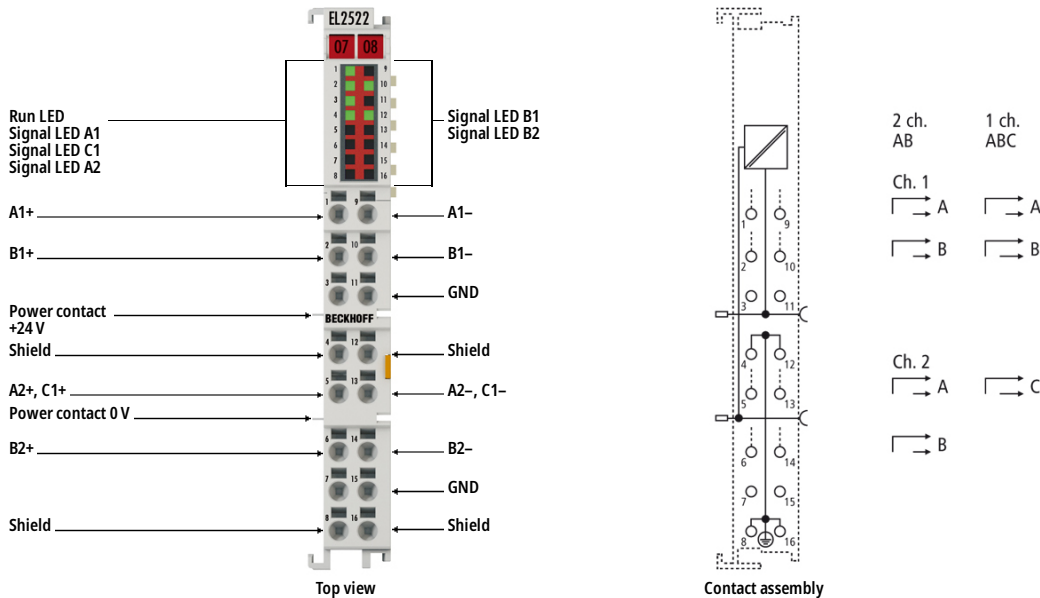
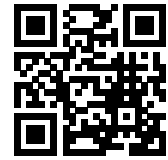


EL2522 | EtherCAT Terminal, 2-channel pulse train output, incr. enc. simulation, RS422, 50 mA



i Product status: Regular delivery

The EL2522 incremental encoder simulation terminal (pulse train) outputs a frequency-modulable signal on two channels with four outputs. The signal can be used to control motor drivers or other signal receivers, which are controlled by single cycles. The pulse sequence and pulse number can be specified directly via the process data in the frequency. Alternatively, the integrated path control can be used. For each channel the operating mode (frequency modulation, pulse/direction specification and incremental encoder simulation) can be selected. In addition, the EtherCAT Terminal can control three output channels in the ABC encoder simulation.

Special features:

- Pulse train (frequency output), RS422
- Different operating modes
 - Frequency modulation
 - Pulse direction setting
 - Incremental encoder simulation (1x ABC, 2x AB)
- Integrated path control
- Synchronized operation through distributed clocks XFC technology possible

Product information

Technical Data

Technical data	EL2522
Connection technology	pulse train (frequency output)
Number of outputs	2 channel A/B, 1 channel A/B/C (4 differential outputs)

Distributed clocks	yes
Output specification	RS422, differential, 50 mA, min. 120 Ω load
Short-circuit current	short-circuit proof
Base frequency	0...4 MHz, 50 kHz default
Resolution	16 bit (incl. sign, scaled via the set frequency range)
Step size	min. 10 ns (internal)
Current consumption E-bus	typ. 120 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 50 mA (load-dependent)
Special features	operating modes as with EL2521, ABC incremental encoder simulation including interfacing with TwinCAT NC
Weight	approx. 50 g
Operating/storage temperature	-25...+60 °C/-40...+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. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL

Housing data	EL-12-16pin
Design form	HD (High Density) housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	labeling of the BZxxx series
Wiring	solid conductors (e): direct plug-in technique; fine-stranded conductors (f) and ferrule (a): spring actuation by screwdriver
Connection cross-section	s*: 0.08...1.5 mm ² , st*: 0.25...1.5 mm ² , f*: 0.14...0.75 mm ²
Connection cross-section AWG	s*: AWG 28...16, st*: AWG 22...16, f*: AWG 26...19
Stripping length	8...9 mm
Current load power contacts	I _{max} : 10 A

*s: solid wire; st: stranded wire; f: with ferrule