



i EL2545 | 2-channel pulse width current terminal ± 3.5 A, 50 V DC

The EL2545 output terminal controls the output current via pulse width control of the supply voltage. It is galvanically isolated from the E-bus. The current value (0 to ± 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 EtherCAT Terminal has two channels that indicate their signal state via light emitting diodes. The LEDs simplify local diagnosis by displaying typical load and wiring faults.

Technical data	EL2545 ES2545
Connection technology	PWM output, push-pull outputs
Number of outputs	2
Nominal voltage	8...50 V DC
Rated load voltage	8...50 V DC
Load type	inductive > 1 mH
Auxiliary voltage	24 V DC via power contacts
Distributed clocks	yes
Max. output current	± 3.5 A (short-circuit proof, thermal-overload proof) per channel
Short circuit current	typ. < 5 A
PWM clock frequency	32 kHz default
Duty factor	0...100 % (current-controlled)
Resolution	12 bit
Reverse voltage protection	yes
Current consumption E-bus	typ. 180 mA
Current consumption auxiliary voltage	typ. 10 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 50 mA + load
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 the controller
Special features	with LVDT feedback
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/see documentation
Pluggable wiring	for all ESxxxx terminals



Product announcement

estimated market release on request