



## EL2535-0005 | 2-channel pulse width current terminal 24 V DC, 5 A

The EL2535-0005 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 up to maximum output current ( $\pm 5$  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 diagnostics by displaying typical load and wiring faults.

Technical data	EL2535-0005
Connection technology	PWM output, push-pull outputs
Number of outputs	2
Nominal voltage	24 V DC (-15 %/+20 %)
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	inductive > 1 mH
Distributed clocks	–
Max. output current	5 A up to 40 °C operating temperature
Output current with ZB8610	5 A up to 55 °C operating temperature
Short-circuit current	typ. < 6 A
PWM clock frequency	30 kHz default
Duty factor	0...100 % (current-controlled)
Resolution	10 bit
Reverse voltage protection	yes
Current consumption E-bus	typ. 110 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Bit width in the process image	48 inputs/outputs: 2 x 16 bit data, 2 x 8 bit control/status
Special features	2 digital 24 V inputs
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
Approvals/markings	CE