



EL2084 | 4-channel digital output terminal 24 V DC, negative switching

The EL2084 digital output terminal connects the binary control signals from the automation unit on to the actuators at the process level with electrical isolation. The EtherCAT Terminal has four 0 V (ground) switching outputs and generates load currents with outputs that are resistant to overload and short-circuit. It contains four channels that indicate their signal state by means of light emitting diodes.

Technical data	EL2084 EL2084
Connection technology	2-wire
Number of outputs	4
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	ohmic, inductive, lamp load
Distributed clocks	–
Max. output current	0.5 A (short-circuit-proof) per channel
Short circuit current	typ. < 7 A
Reverse voltage protection	yes
Breaking energy	< 100 mJ/channel
Switching times	T _{ON} : 50 µs, T _{OFF} : 200 µs
Current consumption E-bus	typ. 100 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Bit width in the process image	4 outputs
Configuration	no address or configuration setting
Weight	approx. 70 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