



## EL2034 | 4-channel digital output terminal 24 V DC, 2 A

The EL2034 digital output terminal connects the binary 24 V control signals, electrically isolated, with the actuators. Four channels are available and indicate their signal state via LEDs. The terminal enables direct connection of four 2-wire actuators. They feature four earth connecting points. The EL2034 offers output diagnostics in the form of short circuit and open circuit detection per channel.

Technical data	EL2034   ES2034
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	2.0 A (short-circuit-proof) per channel, with diagnostics
Short circuit current	typ. < 70 A
Reverse voltage protection	yes
Breaking energy	< 1.7 J/channel
Switching times	typ. T <sub>ON</sub> : 40 µs, typ. T <sub>OFF</sub> : 200 µs
Current consumption E-bus	typ. 120 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 14 mA + load
Bit width in the process image	4 outputs + 4 diagnostic inputs
Configuration	no address or configuration setting
Special features	diagnostics: short circuit and open circuit
Weight	approx. 55 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. class/installation pos.	IP 20/variable
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex