



EL2024, EL2034 | 4-channel digital output terminals 24 V DC, 2 A

The EL2024 and EL2034 digital output terminals connect the binary 24 V control signals, electrically isolated, with the actuators. Four channels are available and indicate their signal state via LEDs. The terminals enable 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	EL2024 ES2024	EL2034 ES2034
Number of outputs	4	
Rated load voltage	24 V DC (-15 %/+20 %)	
Load type	ohmic, inductive, lamp load	
Max. output current	2.0 A (short-circuit-proof) per channel	
Reverse voltage protection	yes	
Breaking energy	< 1.7 J/channel	
Switching times	T _{ON} : typ. 40 μs, T _{OFF} : typ. 200 μs	
Current consumption E-bus	typ. 120 mA	
Electrical isolation	500 V _{rms} (E-bus/field potential)	
Current consumption power contacts	typ. 13 mA + load	typ. 14 mA + load
Bit width in the process image	4 outputs	4 outputs + 4 diagnostic inputs
Configuration	no address or configuration setting	
Weight	approx. 55 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 60068-2-27/29	
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	
Further information	www.beckhoff.com/EL2024	

Special terminals	
EL2024-0010	rated load voltage 12 V DC (-15 %/+20 %)