



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

The EL2024 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.

Technical data	EL2024 ES2024
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
Short circuit current	typ. < 70 A
Reverse voltage protection	yes
Breaking energy	< 1.7 J/channel
Switching times	typ. T _{ON} : 40 µs, typ. T _{OFF} : 200 µs
Current consumption E-bus	typ. 120 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 13 mA + load
Bit width in the process image	4 outputs
Configuration	no address or configuration setting
Special features	–
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

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