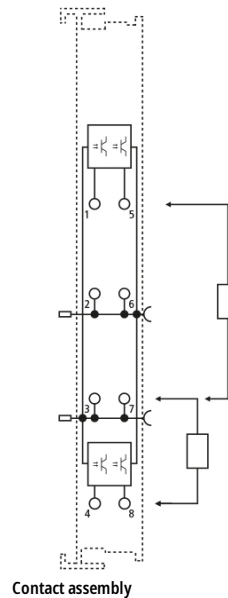
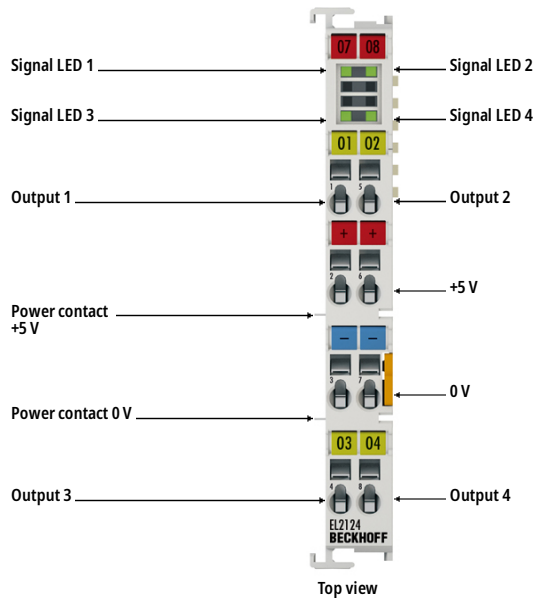
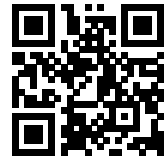


EL2124 | EtherCAT Terminal, 4-channel digital output, 5 V DC, 20 mA



i Product status: Regular delivery

The EL2124 digital output terminal connects the binary 5 V DC control signals from the automation device on to the actuators at the process level with electrical isolation. The EtherCAT Terminal contains four channels whose signal state is indicated by LEDs.

Special features:

- 5 V DC outputs
- Connection of different load types possible (ohmic, lamp load)
- Max. output current 0.02 A per channel
- Overload and short-circuit proof push-pull outputs

Product information

Technical Data

Technical data	EL2124, ES2124
Connection technology	2-/3-wire
Number of outputs	4
Nominal voltage	5 V DC
Load type	ohmic, lamp load
Distributed clocks	–
Max. output current	±20 mA (short-circuit proof) per channel, type CMOS output/push-pull

Reverse voltage protection	–
Breaking energy	–
Switching times	typ. TON: < 1 µs, typ. TOFF: < 1 µs
Current consumption E-bus	typ. 130 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 12 mA + load
Special features	fast 5 V output
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. rating/installation pos.	IP20/variable
Pluggable wiring	for all ESxxx terminals
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc

Housing data	EL-12-8pin	ES-12-8pin
Design form	compact terminal housing with signal LEDs	terminal housing with pluggable wiring level
Material	polycarbonate	
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm	
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock	
Side by side mounting by means of	double slot and key connection	
Marking	labeling of the BZxxx series	
Wiring	solid conductor (e), flexible conductor (f) and ferrule (a): spring actuation by screwdriver	
Connection cross-section	s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ²	s*: 0.08...1.5 mm ² , st*: 0.08...1.5 mm ² , f*: 0.14...1.5 mm ²
Connection cross-section AWG	s*: AWG 28...14, st*: AWG 28...14, f*: AWG 26...16	s*: AWG 28...16, st*: AWG 28...16, f*: AWG 26...16
Stripping length	8...9 mm	9...10 mm
Current load power contacts	I _{max} : 10 A	

*s: solid wire; st: stranded wire; f: with ferrule

Ordering Information

Ordering information

EL2124	EtherCAT Terminal, 4-channel digital output, 5 V DC, 20 mA
ES2124	EtherCAT Terminal, 4-channel digital output, 5 V DC, 20 mA, pluggable wiring
