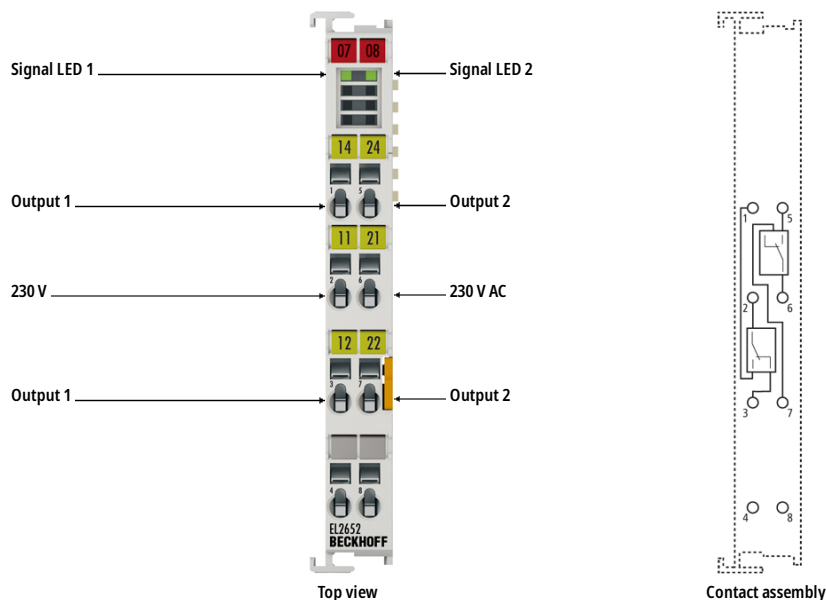


# EL2652 | EtherCAT Terminal, 2-channel relay output, 230 V AC, 300 V DC, 1 A



**i Product status:** Regular delivery

The EL2652 output terminal has two relays each with a changeover contact, which can be used universally for the switching of mains voltage consumers of 230 V AC or 300 V DC. The EL2652 features potential-free contacts. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

Special features:

- Relay output
- 2x changeover contacts
- Reverse switching is possible
- Connection of different load types (ohmic, inductive, lamp load)
- potential-free
- no power contacts

## Product information

### Technical Data

Technical data	EL2652, ES2652
Connection technology	relay output
Number of outputs	2 x change-over
Switching voltage max.	250 V AC, 300 V DC
Nominal voltage	230 V AC (max. switching voltage 250 V AC/300 V DC)

Load type	ohmic, inductive, lamp load
Distributed clocks	–
Ohmic switching current	3 A AC/DC (at 30 V DC), 1 A AC/DC (at 40 V DC), 0.15 A DC (at 300 V DC), for UL: 1 A, max. 230 V AC
Minimum permitted load	100 mA at 12 V
Current consumption E-bus	180 mA
Electrical isolation	1.5 kV (E-bus/field potential); 2.5 kV rated surge voltage, overvoltage category III
Current consumption power contacts	–
Max. switching frequency	6/min. (at rated load)
Operating cycles mech. (min.)	5 x 10 <sup>6</sup>
Operating cycles electr. (min.)	1 x 10 <sup>6</sup> (1 A/250 V AC ohmic load)
Special features	reverse switching realizable
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
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. rating/installation pos.	IP20/variable
Pluggable wiring	for all ESxxxx terminals
Approvals/markings	CE, UL, DNV GL

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 <sup>2</sup> , st*: 0.08...2.5 mm <sup>2</sup> , f*: 0.14...1.5 mm <sup>2</sup>	s*: 0.08...1.5 mm <sup>2</sup> , st*: 0.08...1.5 mm <sup>2</sup> , f*: 0.14...1.5 mm <sup>2</sup>
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 <sub>max</sub> : 10 A	

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

## Ordering Information

Ordering information	
EL2652	EtherCAT Terminal, 2-channel relay output, 230 V AC, 300 V DC, 1 A
ES2652	EtherCAT Terminal, 2-channel relay output, 230 V AC, 300 V DC, 1 A, pluggable wiring