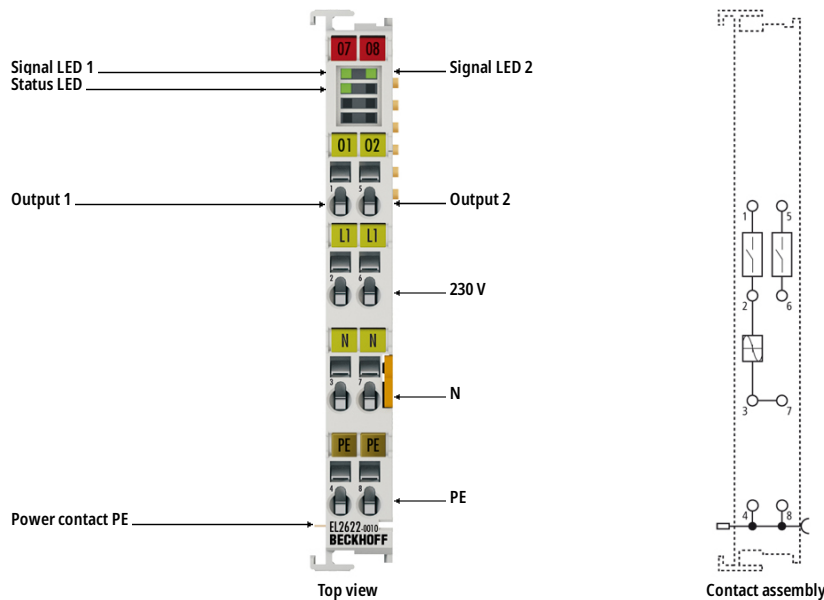
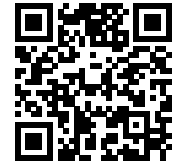


# EL2622-0010 | EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A, contact-protecting switching, without power contacts



**i Product status:** Regular delivery

The EL2622-0010 output terminal has two relays each of which has a single contact. The relay terminal switches at the zero voltage crossing to protect the contacts and is particularly suitable for capacitive loads such as LED lamps. A practical test was able to show that an EL2622-0010 remained fully functional at a capacitive continuous current load of 4 A after 200,000 switching cycles (for details see documentation). The power contacts are not passed through. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

Special features:

- Relay output
- 2 x make contact
- Suitable for ohmic, inductive and capacitive loads
- contact-protecting switching of LED lamps
- no power contacts

## Product information

### Technical Data

Technical data	EL2622-0010, ES2622-0010
Connection technology	relay output
Number of outputs	2 x make contacts
Nominal voltage	230 V AC/30 V DC

Load type	ohmic, inductive, capacitive
Distributed clocks	–
Switching current	5 A AC/DC per channel
Inductive switching current	2 A AC/DC per channel
Minimum permitted load	0.1 mA at 0.1 V DC
Current consumption E-bus	typ. 120 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	–
Bit width in the process image	2 outputs + 1 input
Operating cycles mech. (min.)	$2 \times 10^7$
Operating cycles electr. (min.)	$8 \times 10^4$ (5 A/30 V DC or 5 A/250 V AC and ohmic load)
Configuration	no address or configuration setting
Special features	soft switching at zero voltage crossing significantly extends service life with AC voltage supply
Weight	approx. 50 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

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	$I_{\max}$ : 10 A
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\*s: solid wire; st: stranded wire; f: with ferrule

## Ordering Information

Ordering information	
EL2622-0010	EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A, contact-protecting switching, without power contacts
ES2622-0010	EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A, contact-protecting switching, without power contacts, pluggable wiring