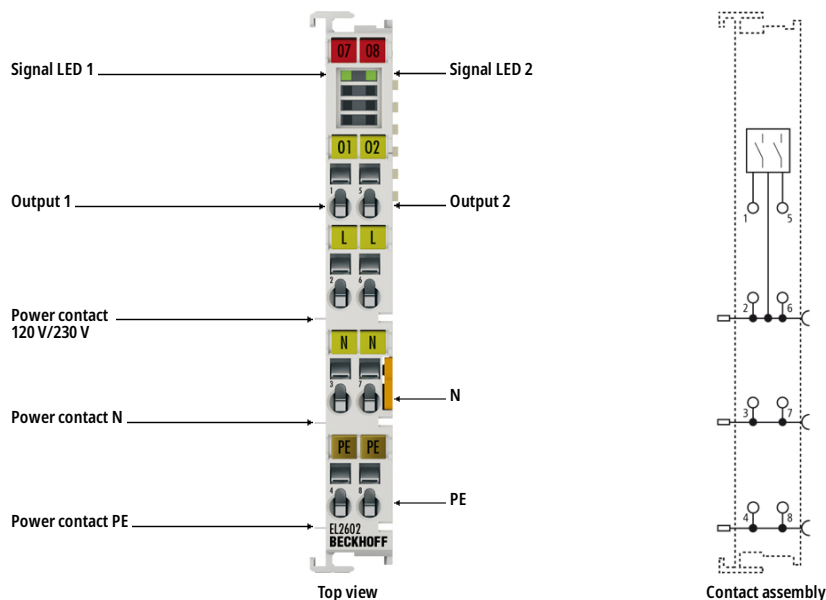


EL2602 | EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A



i Product status: Regular delivery

The EL2602 output terminal has two relays each of which has a single contact. The relay contact is connected to the power contacts, which are suitable for use at up to 230 V AC, and can be generally used for switching devices requiring mains power. 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 lamp load

Product information

Technical Data

Technical data	EL2602, ES2602
Connection technology	relay output
Number of outputs	2 x make contacts for power contact
Nominal voltage	230 V AC/30 V DC
Load type	ohmic, inductive, lamp load
Distributed clocks	–
Ohmic switching current	5 A AC/DC per channel

Inductive switching current	2 A AC/DC per channel
Minimum permitted load	10 mA at 5 V DC
Lamp test, electronic ballast	4 x 58 W
Current consumption E-bus	typ. 170 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	load-dependent
Bit width in the process image	2 outputs
Operating cycles mech. (min.)	2×10^7
Operating cycles electr. (min.)	1×10^5 (5 A/30 V DC)
Configuration	no address or configuration setting
Special features	1-wire connection possible
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 ESxxxx 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 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	
EL2602	EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A
ES2602	EtherCAT Terminal, 2-channel relay output, 230 V AC, 30 V DC, 5 A, pluggable wiring