



EL2602, EL2612, EL2622 | 2-channel relay output terminals

The EL2602, EL2612 and EL2622 output terminals have 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 EtherCAT Terminals indicate their signal state by means of light emitting diodes. The EL2612 and EL2622 have potential-free contacts. The power contacts are not looped through.

| Technical data | EL2602 ES2602 | EL2612 ES2612 | EL2622 ES2622 |
|------------------------------------|--|--|-----------------------------------|
| Connection technology | relay output | | |
| Number of outputs | 2 x make contacts for power contact | 2 x change-over | 2 x make contacts |
| Rated load voltage | 230 V AC/30 V DC | 125 V AC/30 V DC | 230 V AC/30 V DC |
| Load type | ohmic, inductive, lamp load | ohmic | ohmic, inductive, lamp load |
| Distributed clocks | – | | |
| Ohmic switching current | 5 A AC/DC | 0,5 A AC/2 A DC | 5 A AC/DC |
| Inductive switching current | 2 A AC/DC | no data | 2 A AC/DC |
| Minimum permitted load | 10 mA at 5 V DC | 10 μ A at 10 mV DC with intact contact coating | 10 mA at 5 V DC |
| Lamp test, electronic ballast | 4 x 58 W | – | 4 x 58 W |
| Current consumption E-bus | typ. 170 mA | typ. 150 mA | typ. 170 mA |
| Electrical isolation | 500 V (E-bus/field potential) | | |
| Current consumption power contacts | – | | |
| Bit width in the process image | 2 outputs | | |
| Operating cycles mech. (min.) | 2 x 10 ⁷ | 1 x 10 ⁸ | 2 x 10 ⁷ |
| Operating cycles electr. (min.) | 1 x 10 ⁵ (5 A/30 V DC) | 2 x 10 ⁵ (1 A/30 V DC) | 1 x 10 ⁵ (5 A/30 V DC) |
| Configuration | no address or configuration setting | | |
| Special features | 1-wire connection possible | signal relay | – |
| 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. class/installation pos. | IP 20/variable | | |
| Pluggable wiring | for all ESxxxx terminals | | |
| Approvals | CE, UL | | |

