



## EL2024-0010 | 4-channel digital output terminals 12 V DC, 2 A

The EL2024-0010 digital output terminal connects the binary 12 V control signals, electrically isolated, with the actuators. Four channels are available and indicate their signal state via LEDs. The EL2024-0010 enables direct connection of four 2-wire actuators. It features four earth connecting points.

| Technical data                     | EL2024-0010  |
|------------------------------------|--|
| Connection technology              | 2-wire   |
| Number of outputs                  | 4  |
| Rated load voltage                 | 12 V DC (-15 %/+20 %)  |
| Load type                          | ohmic, inductive, lamp load                                  |
| Distributed clocks                 | –  |
| Max. output current                | 2.0 A (short-circuit-proof) per channel                      |
| Short circuit current              | typ. < 70 A  |
| Reverse voltage protection         | yes  |
| Breaking energy                    | < 1.7 J/channel  |
| Switching times                    | typ. T <sub>ON</sub> : 40 µs, typ. T <sub>OFF</sub> : 200 µs |
| Peak current                       | –  |
| Current consumption E-bus          | typ. 120 mA  |
| Electrical isolation               | 500 V (E-bus/field potential)                                |
| Current consumption power contacts | typ. 13 mA + load  |
| Bit width in the process image     | 4 outputs  |
| Configuration                      | no address or configuration setting                          |
| Special features                   | for automotive applications                                  |
| 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. class/installation pos.   | IP 20/variable   |
| Approvals                          | CE, UL, Ex   |

| Related products |   |
|------------------|---|
| <b>EL2024</b>    | 4-channel digital output terminal 24 V DC, 2 A, 2-wire system |