



EP2809-002x | 16-channel digital output 24 V DC, $I_{MAX} = 0.5 \text{ A}$ ($\Sigma 4 \text{ A}$)

The EP2809 EtherCAT Box with digital outputs connects the binary control signals from the controller on to the actuators at the process level. The 16 outputs handle load currents of up to 0.5 A each, although the total current is limited to 4 A. This makes these modules particularly suitable for applications in which not all of the outputs are active at the same time, or in which not all of the actuators draw 0.5 A current.

The signal state is indicated by means of light emitting diodes. The signals are optionally connected via M8 (EP2809-0021) or M12 (EP2809-0022) screw type connectors. All outputs are short-circuit-proof and protected against inverse connection.

| Technical data | EP2809-0021 | EP2809-0022 |
|--|---|-----------------|
| Number of outputs | 16 | |
| Output connections | M8, screw type | M12, screw type |
| Protocol | EtherCAT | |
| Load type | ohmic, inductive, lamp load | |
| Nominal output voltage | 24 V DC (-15 %/+20 %) | |
| Max. output current | 0.5 A per channel, individually short-circuit-proof, total current max. 4 A | |
| Short circuit current | max. 1.5 A | |
| Distributed clocks | – | |
| Auxiliary power current | typ. 20 mA + load | |
| Current consumption from Us (without sensor current) | 130 mA | |
| Power supply connection | feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin | |
| Bit width in the process image | 16 outputs | |
| Electrical isolation | 500 V | |
| Weight | approx. 250 g | |
| Operating/storage temperature | -25...+60 °C/-40...+85 °C | |
| 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 65/66/67 (conforms to EN 60529)/variable | |
| Approvals | CE, UL | |

| Accessories | |
|------------------|--|
| ZK1090-3xxx-xxxx | Cables for EtherCAT signal in- and -output |
| ZK2000-xxxx-xxxx | Cables for M8 I/O connection sockets |
| ZK2000-6xxx-xxxx | Cables for M12 I/O connection sockets |
| ZK2020-3xxx-xxxx | Cables for M8 power supply |

| Related products | |
|------------------|---|
| EQ2809-0022 | EtherCAT Box, stainless steel housing, 16 digital outputs 24 V DC, $I_{MAX} = 0.5 \text{ A}$ ($\Sigma 4 \text{ A}$) |