



## EQ2809-0022 | 16-channel digital output 24 V DC, $I_{MAX} = 0.5 \text{ A}$ ( $\Sigma 4 \text{ A}$ )

The EQ2809 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 connected via M12 screw type connectors. The outputs are short-circuit-proof and protected against inverse connection.

The modules of the EQxxxx series are made of stainless steel and feature the "Hygienic Design" completely. Therefore they are ideal for applications in the food, chemical or pharmaceutical industries, which require protection class IP 69K.

| Technical data                                       | EQ2809-0022   |
|--|---|
| Number of outputs                                    | 16  |
| Rated load voltage                                   | 24 V DC (-15 %/+20 %)   |
| Output connections                                   | M12, screw type   |
| Protocol   | EtherCAT  |
| Bus interface  | 2 x M8 socket, shielded, screw type   |
| 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                                | typ. 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   |
| Special features                                     | V2A stainless steel, Hygienic Design  |
| 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 69K (according to EN 60529)/variable   |
| Approvals  | CE, UL  |

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

For further information on the stainless steel control solution please see [here](#).

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