



## EP2028-0032 | 8-channel digital output 24 V DC, $I_{MAX} = 2.8$ A ( $\Sigma 16$ A)

The EP2028-0032 EtherCAT Box with digital outputs connects the binary control signals from the controller on to the actuators at the process level. The eight outputs handle load currents of up to 2.8 A each, although the total current is limited to 16 A.

The signal state is indicated by means of light emitting diodes. The signals are connected via M12 screw type connectors. All outputs are short-circuit-proof and protected against inverse connection.

| Technical data                                       | EP2028-0032                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------|
| Number of outputs                                    | 8                                                                            |
| Output connections                                   | M12, screw type                                                              |
| Protocol                                             | EtherCAT                                                                     |
| Load type                                            | ohmic, inductive, lamp load                                                  |
| Nominal output voltage                               | 24 V DC (-15 %/+20 %)                                                        |
| Max. output current                                  | 2.8 A per channel, individually short-circuit-proof, total current max. 16 A |
| Short circuit current                                | max. 14 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 7/8" plug, 5-pin; downstream connection: 1 x 7/8" socket, 5-pin    |
| Bit width in the process image                       | 8 outputs                                                                    |
| Electrical isolation                                 | 500 V                                                                        |
| Special features                                     | 1 output per M12 plug, 16 A total current                                    |
| 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 in preparation                                                        |

| Accessories                           |                                            |
|---------------------------------------|--------------------------------------------|
| ZK1090-3xxx-xxxx                      | Cables for EtherCAT signal in- and -output |
| ZK2000-6xxx-xxxx                      | Cables for M12 I/O connection sockets      |
| ZK2030-xxxx-xxxx,<br>ZK2031-xxxx-xxxx | Cables for 7/8" power supply               |