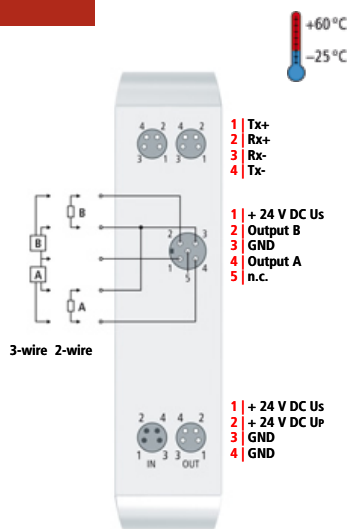


EQ2008-0002



I/O connection

Connector assignment

## EQ2008-0002 | 8-channel digital output 24 V DC

The EQ2008 EtherCAT Box with digital outputs connects binary control signals from the controller on to the actuators at the process level. The eight outputs handle load currents of up to 0.5 A and indicate their status through 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	EQ2008-0002
Number of outputs	8
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)	120 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	8 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

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