

# EP1008-0001 | EtherCAT Box, 8-channel digital input, 24 V DC, 3 ms, M8

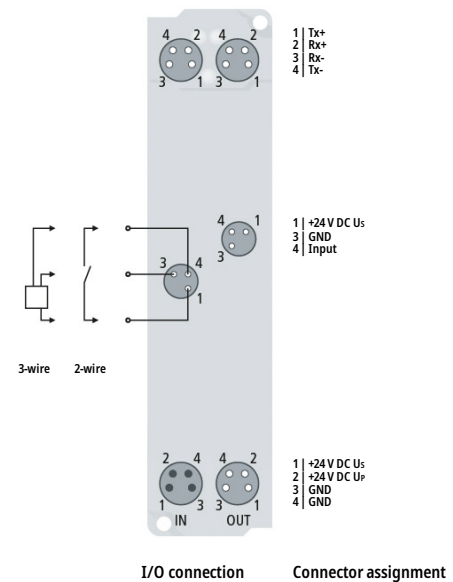
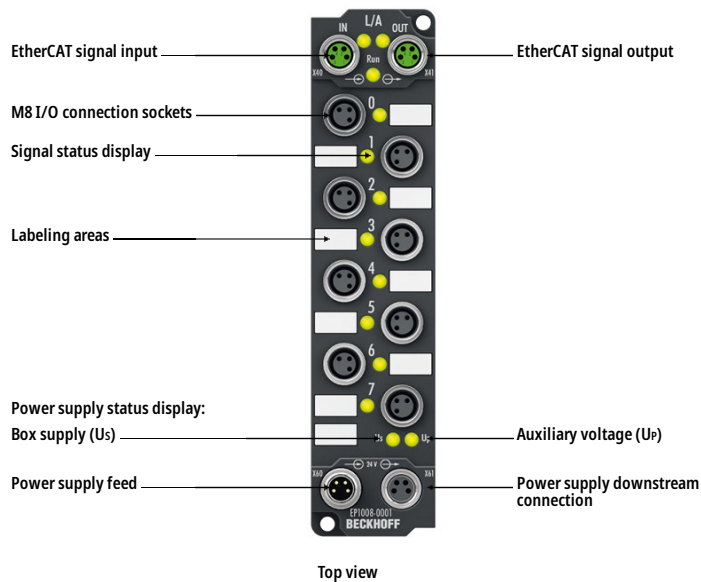
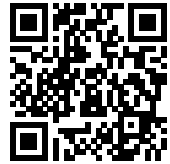


Image similar, may contain optional accessories

**i** **Product status:** regular delivery

The EP1008-0001 EtherCAT Box with digital inputs acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the controller. The state of the signals is indicated by light emitting diodes. The signals are connected via M8 screw type connectors.

The sensors are supplied from the box supply voltage  $U_S$ . The load voltage  $U_P$  is not used in the input module, but it can be optionally connected for forwarding and is passed on to the next module.

The supply of the connected sensors is done by an internal, short-circuit proof driver module with a total of 0.5 A for all sensors.

Due to the input filter of 3.0 ms, the EP1008-0001 is preferably suitable for electronic and mechanical inputs, which thereby experience additional debouncing of the signal.

## Product information

### Technical data

Technical data	EP1008-0001
Protocol	EtherCAT
Bus interface	2 x M8 socket, 4-pin, a-coded, shielded
Specification	EN 61131-2, type 1/3

Number of inputs	8
Input connections	M8 x 1, 3-pin, a-coded
Nominal input voltage	24 V DC (-15%/+20%)
Input filter	3.0 ms
"0" signal voltage	-3...+5 V (EN 61131-2, type 3)
"1" signal voltage	11...30 V (EN 61131-2, type 3)
Input current	typ. 3 mA (EN 61131-2, type 3)
Distributed clocks	–
Power supply connection	feed: 1 x M8 male socket, 4-pin, a-coded; downstream connection: 1 x M8 female socket, 4-pin, a-coded
Sensor supply	from control voltage, max. 0.5 A, short-circuit proof in total
Current consumption from $U_s$	120 mA
Electrical isolation	500 V
Weight	approx. 165 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
Approvals/markings	CE, UL, ATEX
Protect. rating/installation pos.	IP65/66/67 (conforms to EN 60529)/variable
Ex marking	II 3 G Ex nA IIC T4 Gc

Housing data	8 x M8, 4 x M12
Dimensions (W x H x D)	30 mm x 126 mm x 26.5 mm
Material	PA6 (polyamide)
Installation	2 fixing holes 3.5 mm diameter for M3

