

EP2318-0001 | EtherCAT Box, 4-channel digital input + 4-channel digital output, 24 V DC, 10 μ s, 0.5 A, M8

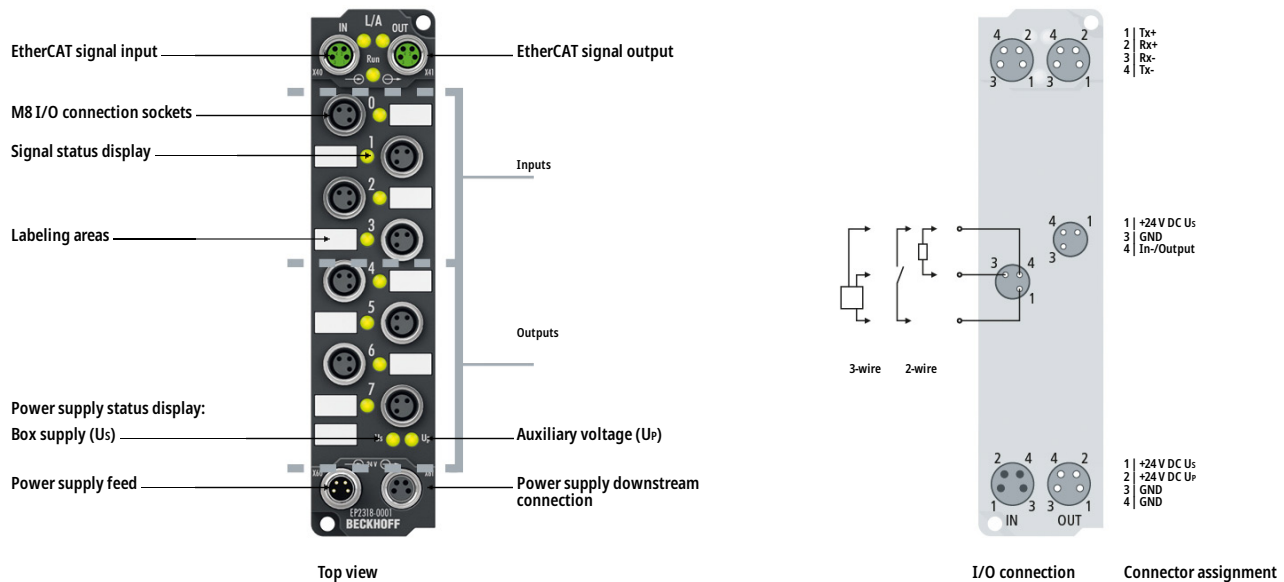
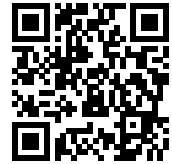


Image similar, may contain optional accessories

i Product status: regular delivery

The EP2318-0001 EtherCAT Box combines four digital inputs (four M8 sockets at the top) and four digital outputs (four M8 sockets at the bottom) in one device. The inputs have a filter of 10 μ s. The outputs process load currents up to 0.5 A, are short-circuit-proof and protected against reverse polarity. The signal status is indicated by LEDs. The signals are connected via M8 screw type connectors.

The supply of the connected sensors is carried out via an internal, short-circuit-proof driver module with a total of 0.5 A for all sensors. The outputs are supplied via U_P . All outputs are short-circuit-proof and protected against reverse polarity.

Product information

Technical data

Technical data	EP2318-0001
Protocol	EtherCAT
Bus interface	2 x M8 socket, 4-pin, a-coded, shielded
Specification	EN 61131-2, type 1/3
Number of channels	4 inputs + 4 outputs
Input/output connections	M8 x 1, 3-pin, a-coded

Input filter	10 µs
"0" signal voltage	-3...+5 V
"1" signal voltage	11...30 V, 6 mA input current (EN 61131-2, type 3)
Sensor supply	from control voltage, max. 0.5 A, short-circuit proof in total
Load type	ohmic, inductive, lamp load
Rated load voltage	24 V DC (-15%/+20%)
Max. output current	0.5 A per channel, individually short-circuit proof
Switching times	typ. T _{ON} : 50 µs, typ. T _{OFF} : 100 µs
Short-circuit current	typ. 1.5 A
Distributed clocks	–
Current consumption	120 mA
Auxiliary power current	typ. 20 mA + load
Power supply connection	feed: 1 x M8 male socket, 4-pin, a-coded; downstream connection: 1 x M8 female socket, 4-pin, a-coded
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
Protect. rating/installation pos.	IP65/66/67 (conforms to EN 60529)/variable
Approvals/markings	CE, UL, ATEX
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

