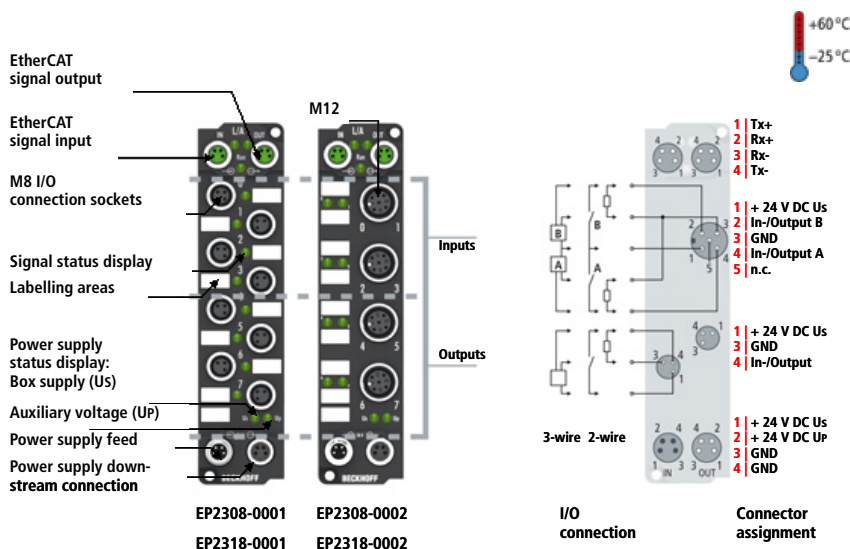




EP2308-, EP2318-000x | 4 x digital input + 4 x digital output 24 V DC, $I_{MAX} = 0.5 \text{ A}$

The EP2308 and EP2318 EtherCAT Box modules combine four digital inputs and four digital outputs in one device. Various filter constants are available for the inputs. The outputs handle load currents of up to 0.5 A, are short-circuit-proof and protected against inverse polarity. The state of each signal is indicated by means of light emitting diodes. The signals are connected optionally via screw type M8 connectors (EP23x8-0001) or connector M12 screw type (EP23x8-0002).

Technical data	EP2308-0001	EP2308-0002	EP2318-0001	EP2318-0002
Specification	EN 61131-2, type 1/3			
Number of channels	4 inputs + 4 outputs			
Input/output connections	M8, screw type	M12, screw type	M8, screw type	M12, screw type
Protocol	EtherCAT			
Bus interface	2 x M8 socket, shielded, screw type			
Input filter	3.0 ms	3.0 ms	10 µs	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 total, short-circuit-proof			
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			
Short circuit current	typ. 1.5 A			
Current consumption	120 mA			
Auxiliary power current	typ. 20 mA + load			
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	4 inputs + 4 outputs			
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. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable			
Approvals	CE, UL, Ex			

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