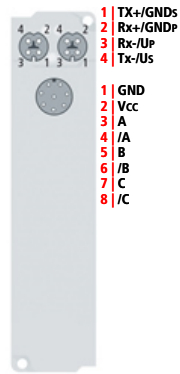


EPP5001-0002



Connector assignment

## i EPP5001-0002 | SSI encoder interface

The EPP5001-0002 EtherCAT P Box is an interface for the direct connection of SSI encoders with differential inputs (RS422). The interface circuit generates a pulse for reading the encoder and makes the incoming data stream available to the controller as a data word in the process image. Various operating modes, transmission frequencies and bit widths can be permanently stored in a control register. The encoder is connected via an 8-pin M12 socket.

Technical data	EPP5001-0002
Connection technology	M12, screw type
Number of channels	1
Encoder connection	binary input: D+, D-, binary output: Cl+, Cl-
Nominal voltage	24 V DC (-15 %/+20 %)
Signal type	differential (RS422)
Distributed clocks	yes
Data transfer rates	variable up to 1 MHz, 250 kHz default
Serial input	24 bit width (variable)
Data direction	read
Power supply connection	not necessary
Current consumption from Us	typ. 130 mA + sensor supply
Electrical isolation	500 V
Special features	adjustable baud rate, coding and data length
Weight	approx. 165 g
Operating/storage temperature	0...+55 °C/-25...+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/markings	CE, UL in preparation

Accessories	
ZK700x-010x-0xxx	Cables for EtherCAT P: Ultra-fast Communication and Power in One Cable
M23, D-Sub	Other field assembly connectors

<b>i</b> Product announcement	estimated market release 3rd quarter 2019
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