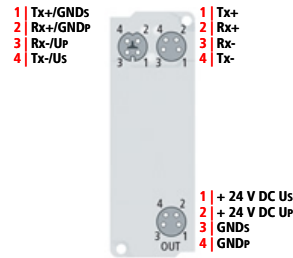


EPP9001-0060

I/O connection

Connector assignment



EPP9001-0060 | EtherCAT P/EtherCAT connector with power transmission

The EPP9001-0060 EtherCAT P Box converts the incoming EtherCAT P signal (red M8 socket, EtherCAT-P-coded) into an EtherCAT signal (green M8 socket). In addition, the voltage output from the U_s and U_p voltages can be found on the EtherCAT P Box (black M8 socket). The EPP9001-0060 is an active EtherCAT device, i.e. it appears in the EtherCAT process image of the EtherCAT master, e.g. TwinCAT.

The EtherCAT P Box modules are characterised by their small and space-saving form factor.

Technical data	EPP9001-0060
Task within EtherCAT system	converter from EtherCAT P to EtherCAT + power
Number of channels	IN: 1 x EtherCAT P, OUT: 1 x EtherCAT
Nominal voltage	24 V DC (-15 %/+20 %)
Total current	feed-in max. 3 A per U_s and U_p
Current consumption from U_s	typ. 100 mA
Power supply connection	downstream connection: 1 x M8 female socket, 4-pin
Bus interface	1 x M8 socket, shielded, screw type, EtherCAT-P-coded, 1 x M8 socket, shielded, screw type
Protocol	EtherCAT P/EtherCAT
Weight	approx. 90 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/markings	CE, UL

Accessories	
ZK700x-010x-0xxx	Cables for EtherCAT P: Ultra-fast Communication and Power in One Cable
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK2020-3xxx-xxxx	Cables for M8 power supply