



EPP1321-0060

Connector assignment

i EPP1321-0060 | 1-channel EtherCAT to EtherCAT P supply module

The 1-channel EtherCAT to EtherCAT P supply module in IP 67 enables the flexible conversion from EtherCAT to EtherCAT P. The current carrying capacity of 3 A per U_s and U_p of the EtherCAT P segment enables the use of a large number of sensors and actuators. For larger or more branched machines or systems a power supply boost may be required. The EPP1332-0001 EtherCAT P junction with voltage refresh feature can be used for feeding in U_s or U_p at any desired point.

For topological branches without the need for voltage refreshment, the use of the EPP1342-0001 is recommended. All infrastructure box modules feature status LEDs for indicating EtherCAT, U_s and U_p .

The U_s and U_p voltages are supplied via a 4-pin M8 plug connector and can optionally be forwarded.

Technical data	EPP1321-0060
Task within EtherCAT system	converter from EtherCAT to EtherCAT P
Number of channels	IN: 1 x EtherCAT, OUT: 1 x EtherCAT P
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
Current rating per port	max. 3 A per U_s and U_p
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin
Distributed clocks	–
Bus interface	M8 socket, shielded, screw type, EtherCAT-P-coded
Protocol	EtherCAT/EtherCAT P
Data transfer rates	100 Mbit/s
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 in preparation

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

i Product announcement	estimated market release 3rd quarter 2019
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