



EK1310 | 1-port EtherCAT P extension with feed-in

The EK1310 EtherCAT P feed-in unit enables conversion from EtherCAT to EtherCAT P or extension of an EtherCAT P network. Terminal points are used to supply the U_S (system and sensor supply) and the U_P (peripheral voltage for actuators) for the EtherCAT P circuit. In addition to the Run LED and the link and activity status, status LEDs indicate the state of the U_S and U_P voltages, as well as overload and short-circuit events.

Technical data	EK1310
Task within EtherCAT system	conversion of the E-bus signals to 100BASE-TX Ethernet for feed-in in the EtherCAT P network
Data transfer medium	EtherCAT P cable, shielded, to 100BASE-TX
Bus interface	1 x M8 socket, shielded, screw type, EtherCAT-P-coded
Power supply	external feed-in: 24 V DC for U_S and U_P
Total current	max. 3 A per U_S and U_P
Current consumption from U_S	typ. 3 mA
Current consumption from U_P	typ. 3 mA
Current rating per port	max. 3 A per U_S and U_P
Current consumption E-bus	typ. 110 mA
Electrical isolation	500 V (supply voltage U_S /supply voltage U_P /EtherCAT)
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 20/variable
Approvals	CE

Accessories	
ZK700x-010x-0xxx	Cables for EtherCAT P: Ultra-fast Communication and Power in One Cable
Cordsets	cordsets and connectors

System	
EtherCAT	For further EtherCAT products please see the system overview