



EP1122-0001 | 2-port EtherCAT junction

The 2-port EtherCAT junction enables configuration of EtherCAT star topologies. A modular EtherCAT star can be realised by using several EP1122 units in a station. Individual devices or complete EtherCAT strands can be connected at the junction ports. The EtherCAT junctions are connected via shielded M8 screw connectors with direct display of link and activity status. The Run LED indicates the status of the EP1122. Through TwinCAT and other suitable EtherCAT masters the EP1122 also supports coupling and uncoupling of EtherCAT strands during operation (Hot Connect).

Technical data	EP1122-0001
Number of EtherCAT ports	2
Task within EtherCAT system	coupling of EtherCAT junctions
Data transfer medium	EtherCAT cable
Distance between stations	100 m (100BASE-TX)
Protocol	EtherCAT
Data transfer rates	100 Mbit/s
Nominal voltage	24 V DC (-15 %/+20 %)
Distributed clocks	–
Configuration	not required
Bus interface	2 x M8 socket, shielded, screw type
Sensor supply	–
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/markings	CE, UL, ATEX
Ex-Marking	II 3 G Ex nA IIC T4 Gc

Accessories	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output