



EK1122-0008 | 2-port EtherCAT junction with M8 connection

The 2-port EtherCAT junction enables configuration of EtherCAT star topologies. A modular EtherCAT star can be realised by using several EK1122-0008 or EK1122 units in a station. Individual devices or complete EtherCAT strands can be connected at the junction ports. Compared with the EK1122, the EK1122-0008 has two M8 sockets, which are compatible with the EtherCAT Box modules.

The EtherCAT junctions are connected via M8 sockets. Separate LEDs display the link and activity status. The Run LED indicates the status of the EK1122-0008. Through TwinCAT and other suitable EtherCAT masters the EK1122-0008 also supports coupling and uncoupling of EtherCAT strands during operation (Hot Connect). If Ethernet cables with adequate performance are used, e.g. ZK1090-3131-1xxx, line lengths of 100 m are possible via M8.

Technical data	EK1122-0008
Task within EtherCAT system	coupling of EtherCAT junctions
Data transfer medium	Ethernet/EtherCAT cable (min. Cat. 5), shielded
Distance between stations	100 m (100BASE-TX)
Protocol	EtherCAT
Delay	approx. 1 μ s
Data transfer rates	100 Mbaud
Configuration	not required
Bus interface	2 x M8, shielded, screw type
Power supply	from E-bus
Current consumption	typ. 220 mA
Weight	approx. 65 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
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, UL, Ex

Accessories	
Cordsets	cordsets and connectors

System	
EtherCAT	For further EtherCAT products please see the system overview .