



Top view

EK1122-0080 | 2-port EtherCAT junction, Fast Hot Connect

Hot Connect is an EtherCAT feature for changing topologies through direct coupling or uncoupling during system operation. Coupled EtherCAT components are already quickly linked to the data communication after connection as standard. Fast Hot Connect technology further reduces the connection time significantly, enabling even faster tool changes. Fast Hot Connect ports may only be connected to each other, which is why they are specially identified.

The EK1122-0080 EtherCAT junction with Fast Hot Connect is complemented by the EK1101-0080 EtherCAT Coupler with Fast Hot Connect.

Technical data	EK1122-0080
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 RJ45
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