CU1123 | EtherCAT junctions, 3-port, RJ45

Line, tree or star – EtherCAT supports almost any topology. The 3-port CU1123 EtherCAT junction provides a compact solutions to cascade an EtherCAT network. Where junctions with several ports need to be implemented outside of the EtherCAT Terminal system, the DIN rail-mountable EtherCAT junction can be used instead of the EK1122 EtherCAT Coupler and the 8-port CU1128 EtherCAT junction. Port 1 is the input port for the EtherCAT network; ports 2, and 3 can be used to connect additional EK1100 Couplers or EtherCAT Box modules. The EtherCAT branches are connected via RJ45 ports featuring link and activity status indicators.

In connection with TwinCAT or other suitable EtherCAT masters, the EtherCAT CU1123 junction permit the connection or disconnection of EtherCAT strands while the network is in operation (Hot Connect). The device cannot be used as a standard Ethernet switch.

Technical data	CU1123
Task within EtherCAT system	coupling of EtherCAT junctions
Data transfer medium	Ethernet/EtherCAT cable (min. Cat. 5), shielded
Bus interface	3 x RJ45
Distance between stations	max. 100 m (100BASE-TX)
Protocol	EtherCAT
Delay	approx. 1 µs per port
Data transfer rates	100 Mbit/s
Configuration	not required
Power supply	24 V (-15 %/+20 %), 3-pin connection (+, -, PE)
Operating/storage temperature	0…+55 °C/-25…+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/markings	CE

Ordering information	
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