



CU1128 | EtherCAT junction

Line, tree or star: EtherCAT supports almost any topology. If a star topology requires several branches at a particular point, the 8-way CU1128 EtherCAT junction can be used instead of several EK1122 devices. Port 1 is the input port for the network. Further EK1100 or EtherCAT Box modules can be connected at ports 2 to 8. The EtherCAT junctions are connected via RJ45 sockets with direct display of link and activity status.

In conjunction with TwinCAT or other suitable EtherCAT masters the CU1128 also supports coupling and uncoupling of EtherCAT strands during operation (Hot Connect). The device cannot be used as a standard Ethernet switch.

Technical data	CU1128
Task within EtherCAT system	coupling of EtherCAT junctions
Data transfer medium	Ethernet/EtherCAT cable (min. CAT 5), shielded
Bus interface	8 x RJ45
Distance between stations	max. 100 m (100BASE-TX)
Protocol	EtherCAT
Delay	approx. 1 µs per port
Data transfer rates	100 Mbaud
Configuration	not required
Power supply	24 (18...30) V DC, 185 mA, 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	CE, UL