



CU1124 | EtherCAT junction, 4-port, RJ45

Line, tree or star – EtherCAT supports almost any topology. The 4-port CU1124 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 junctions 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, 3 and 4 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 CU1124 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 | CU1124 |
|----------------------------------|---|
| Task within EtherCAT system | coupling of EtherCAT junctions |
| Data transfer medium | Ethernet/EtherCAT cable (min. Cat. 5), shielded |
| Bus interface | 4 x RJ45 |
| Distance between stations | max. 100 m (100BASE-TX) |
| Protocol | EtherCAT |
| Delay | approx. 1 μ s 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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