



i CU1423 | EtherCAT G junction, 3-port, RJ45

The 3-way EtherCAT G junction enables topology expansions without changes in transmission rates. Line, tree or star – EtherCAT G supports almost any topology. The 3-port CU1423 EtherCAT G junction provides a compact solution to cascade an EtherCAT network.

In connection with TwinCAT or other suitable EtherCAT masters, the CU1423 EtherCAT G junction permits the connection or disconnection of EtherCAT G strands while the network is in operation (Hot Connect).

The device cannot be used as a standard Ethernet switch.

| Technical data | CU1423 |
|----------------------------------|---|
| Task within EtherCAT system | coupling of EtherCAT G junctions |
| Data transfer medium | Ethernet/EtherCAT cable (min. Cat. 5), shielded |
| Bus interface | 3 x RJ45 |
| Distance between stations | max. 100 m (1000BASE-T) |
| Protocol | EtherCAT |
| Delay | approx. 1 µs per port |
| Data transfer rates | 1 Gbit/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 | |
|----------------------|-----------------------------------|
| CU1423 | EtherCAT G junction, 3-port, RJ45 |

| | |
|-------------------------------|---|
| i Product announcement | estimated market release 3rd quarter 2020 |
|-------------------------------|---|