



## 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 |                                   |
|----------------------|-----------------------------------|
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| <b>i</b> Product announcement | estimated market release 3rd quarter 2019 |
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