



i CU1418 | EtherCAT G branch controller, 8-port

The EtherCAT G branch controllers enable transparent conversion of transmission rates of EtherCAT G and EtherCAT. The CU1418 has two marked ports for integration into an EtherCAT G network. Eight EtherCAT and/or EtherCAT G segments can be coupled via a further branch port.

| Technical data | CU1418 |
|----------------------------------|--|
| Task within EtherCAT system | coupling of EtherCAT branches to an EtherCAT G network |
| Data transfer medium | Ethernet/EtherCAT cable (min. Cat. 5), shielded |
| Bus interface | 8 x RJ45 |
| Distance between stations | max. 100 m (1000BASE-T) |
| Protocol | EtherCAT |
| Delay | approx. 1 µs per port |
| Data transfer rates | 100 Mbit/s and 1 Gbit/s |
| Configuration | TwinCAT |
| Power supply | 24 (18...30) V DC, 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 |



Product announcement

estimated market release 1st quarter 2021