

ECX-Master-Selector

Dual EtherCAT Master Selector for two Redundant Masters

Designed to build redundant EtherCAT Master Systems

- One EtherCAT network with cable redundancy connected to the primary or the secondary EtherCAT master by a simple control signal
- Ideal to build up a redundancy at the EtherCAT Master side as extension to EtherCAT Technology Group Standard (ETG)

Compatible for Ethernet based Systems

- Flexible Application range to switch one network between two Masters / PCs for all Ethernet based systems or field bus standards with 100BASE-TX

Optical isolated Switching Signal

- The switching signal is optically isolated
- Characteristic according to DIN EN 61131-2, Type 3
- DIN-EN carrier rail mounting
- Ethernet physics according to IEEE 802.3

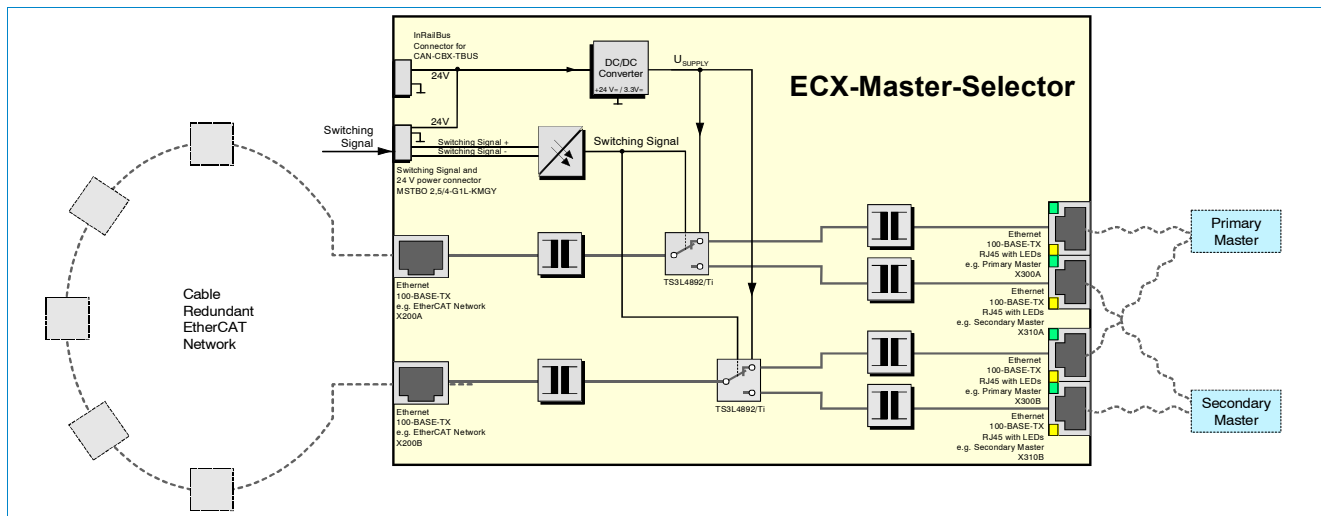


EtherCAT-Master-Selector

The ECX-Master-Selector is equipped with a LAN selector switch. Controlled by a simple switching input signal, the ECX-Master-Selector can connect an EtherCAT network to one of two different EtherCAT masters with cable redundancy. The control signal is optically isolated.

Mounting/Connection

The ECX-Master-Selector is designed for DIN-EN carrier rail mounting. The module provides service-friendly 'wiring' of the supply voltage. The power supply can be applied via the In-Rail-bus connector (TBUS-connector) integrated in the mounting rail or separately via the clamp-connection.



Technical Specifications:

| | |
|-----------------------------|---|
| Control: | |
| LAN switch | TS3L4892/Ti |
| Ethernet Interfaces: | |
| Number | Cable redundant primary and secondary EtherCAT master, 1x EtherCAT network |
| Physical interfaces | According to IEEE 802.3 |
| Bit rate | 100BASE-TX, 10/100 Mbit/s |
| General: | |
| Connectors | 4x RJ45 with LEDs: Primary and secondary EtherCAT master 2x RJ45: EtherCAT network InRailBus Connector: Power supply, FE 1x MSTBO 2,5/4-G1L-KMGY: Power supply, control signal |

| | |
|-----------------------------|---|
| General (continued): | |
| Supply voltage | 24 VDC $\pm 20\%$ / 14 mA |
| Control voltage (off / on) | -5 ... 8 VDC / 11 ... 32 VDC; max. 6 mA according to DIN EN 61131-2, Type 3 |
| Ambient temperature | 0 °C ... +70 °C |
| Relative humidity | Max. 90 % (non-condensing) |
| Protection class | IP20 |
| Dimensions | 35 mm x 99 mm x 114.5 mm (dimensions without mating connectors) |
| Mounting | DIN-EN carrier rail mounting (TS35) |
| Weight | 150 g |
| Order Information: | |
| Hardware | Order No. |
| ECX-Master-Selector | E.3021.01 |