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: InRailBus Connector: Power supply, FE
1x MSTBO 2.5/4-G1L-KMGE: Power supply, control signal

General (continued):
Supply voltage: 24 VDC ±20% / 14 mA
Control voltage: -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: ECX-Master-Selector
Order No.: E.3021.01

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