

ECX-Master-Selector

Dual EtherCAT Master Switch for two Redundant Masters

EtherCAT Redundant Master Selector

- One EtherCAT network with cable redundancy switching between the primary EtherCAT master and the secondary EtherCAT master by a simple switching signal

Flexible Application Range

- Ethernet physics according to IEEE 802.3
- Compatible for all Ethernet based systems or field bus standards

More than Specified by ETG

- The ECX-Master-Selector features the possibility to build up an EtherCAT network with a redundant EtherCAT master system as extension to EtherCAT Technology Group Standard (ETG).

EtherCAT-Master-Selector

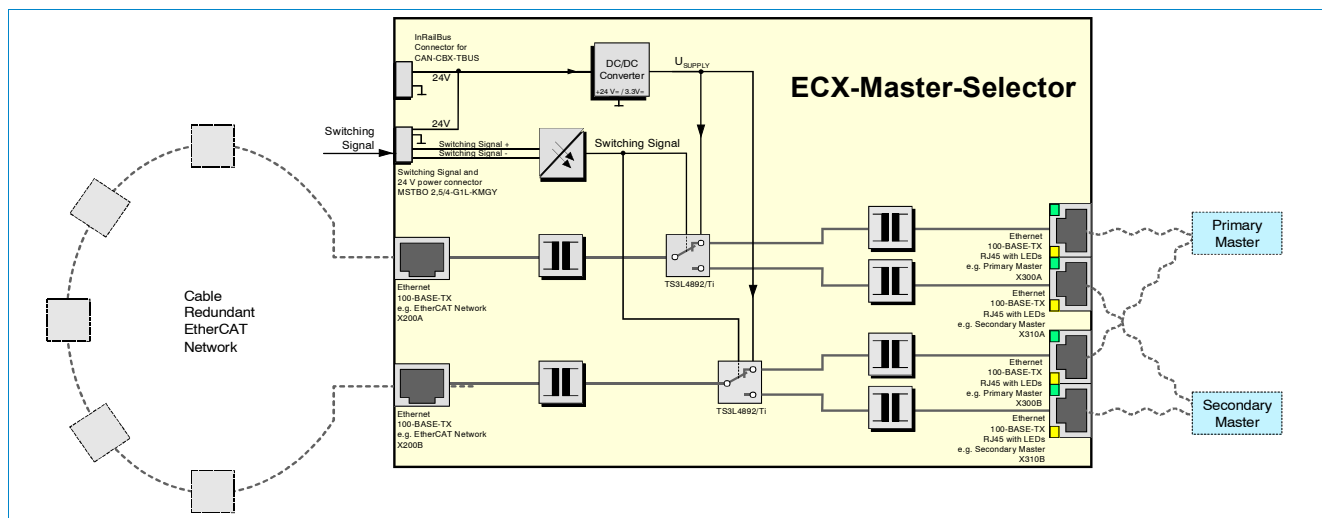
The ECX-Master-Selector is equipped with a LAN selector switch. Triggered by a simple switching input signal, the ECX-Master-Selector can switch an EtherCAT network between two different EtherCAT masters with cable redundancy. The input signal is optically isolated.

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, 10/100Mbit/s	
General:		
Connector	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, switching signal

General (continued):

Supply voltage	24 VDC $\pm 20\%$ / 14 mA
Switching voltage	11 - 32 DC / max. 6 mA according to 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