ECX-DIO8
EtherCAT® Digital I/O-Module

- **8 digital I/Os**
- **Inputs 24 V, outputs 24 V/0.5 A**
- **InRailBus**

Digital Inputs and Outputs
The ECX-DIO8 module is equipped with 8 digital I/Os, each available as input and output. The nominal I/O-voltage value is 24 V. Nominal output current is 0.5 A at 24 V.

Compact I/O Module
The ECX-DIO8 module provides industrial digital in-/outputs with two-wire connection in combination with service-friendly wiring of supply voltage.
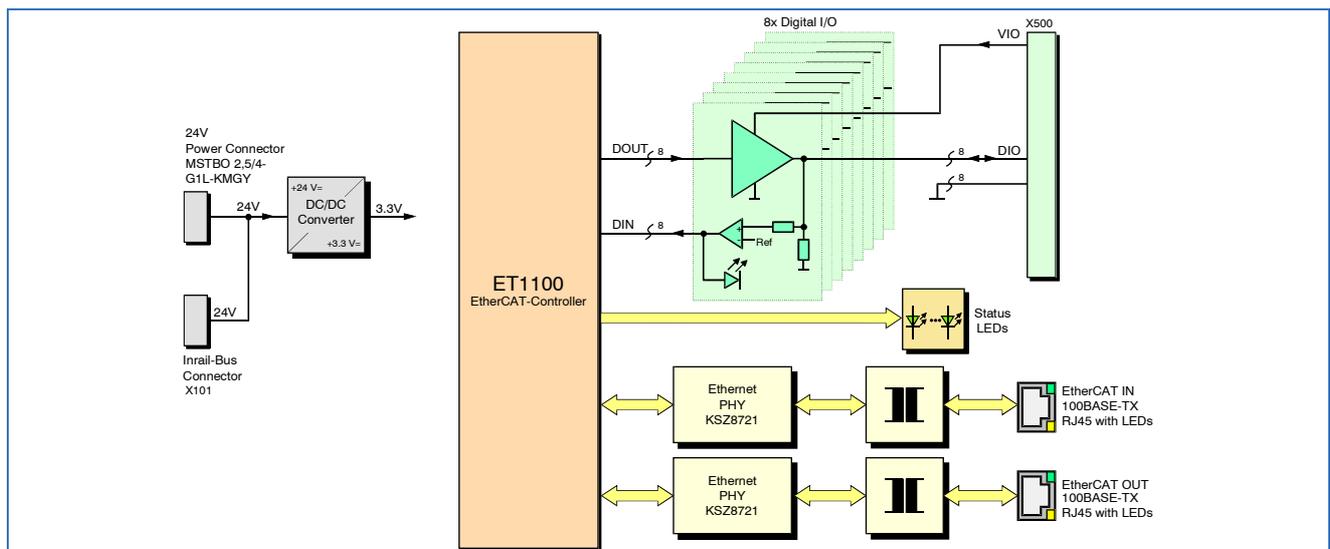
InRailBus
The power supply can be applied via the InRailBus connector (TBUS-connector) integrated in the mounting rail or separately via the clamp-connection.

Physical Interfaces
The 100BASE-TX EtherCAT interface is compatible to IEEE 802.3.

Configuration and protocols
Configuration is done by EtherCAT master (XML file).

Technical Specifications:

Process coupling:	
Number of digital in/outputs:	8 channels, each selectable as input and output
LEDs:	8 LEDs reflecting the DIO pin status
Specification of the digital inputs:	input voltage (nominal value): 24 VDC over voltage protection up to U_{VIO}
Specification of the digital outputs	high side power switches, power supply U_{VIO}: nominal 24 VDC, min./max.: 12 VDC / 30 VDC, output current (nom.): 0.5 A (70 °C, 24 V), protection circuit: short circuit and over temperature protection with output shutdown and undervoltage shutdown with auto-restart and hysteresis

EtherCAT slave controller (ESC):	
ESC ASIC:	ET1100
ESC interface:	2x RJ45, 100BASE-TX, IEEE 802.3

General:	
Supply voltage:	nom. 24 VDC / 50 mA min./max.: 12 VDC / 30 VDC
Operating temperature:	-20 °C … +70 °C
Humidity:	max. 90 % non-condensing
Dimensions:	22.5 mm x 99 mm x 114 mm

Order information:		
Designation		order no.
ECX-DIO8	EtherCAT - digital I/O-Module with 8 channels	E.3010.02

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