Data sheet

ET-EDI10-18220 Rev. A0

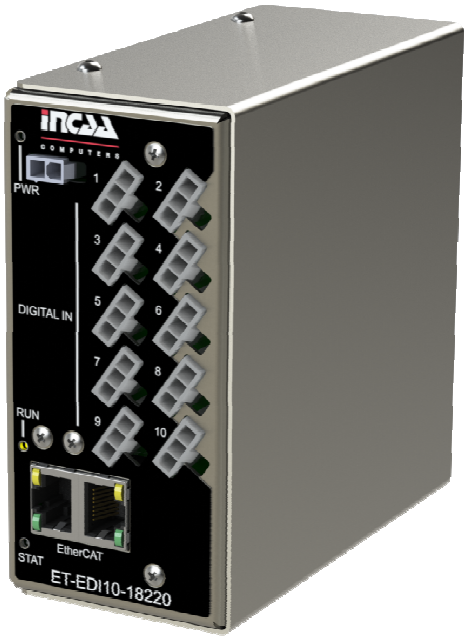
Module level product

Your partner in automation

Digital Input Module

Features

- EtherCAT slave module
- 10 digital inputs
- 2 kS/s per channel
- Each input has separate connector
- Power output for sensor power
- Gold plated contacts
- Operating temperature -25 / +70 ^{0}C
- Wide input range (8-30 V) DC power supply
- Stainless steel enclosure with DIN-rail fastening
- Small size: approx. 12 x 12 x 6 cm
- Cable fastening bracket available



Description

The EDI10 module is an EtherCAT slave module with 10 digital inputs.

Each input has a separate connector. This connector provides sensor power, where necessary. The connectors have a locking mechanism and gold plated contacts.

A wide range DC power-input, the low power requirements, the small size and Din-rail fastening ensure easy system integration.

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Specifications

Digital inputs	
Number	10
Type	Sourcing
Active	>5 mA
Inactive	<1.5 mA
Input impedance	Typ. 1200 Ohm
Input current	V-sensor power/1200 (when input is short circuited)
Sampling rate	2 kS/s per channel
Open contact voltage	8-30 VDC (Voltage supplied by user on power input)
Connector	MOLEX Mini Fit Jr 3 pin, gold plated contacts
Input status	LED per input
Sensor power output	50 mA nominal per output. Short-circuit protected Max. short circuit current 2A, 4A peak (one channel only)
Power supply requirements	
Input	12 - 24 VDC nom., min. 8 VDC max. 30 VDC
Power consumption	Typ. 120 mA @ 12 V (no sensors powered) Max. 900 mA @ 12 V
Protection	Against reverse polarity, under- and overvoltage
Norm conformity	
EMC	EN 50121-3-2, EN 50121-4, RLN00007
Mechanical	
Dimensions	120 x 120 x 60 mm (l x w x h)
Material	Stainless steel
Color	Brushed steel
Mounting	DIN-rail fastening
Environmental conditions	
Operating temperature	-25 °C to +70 °C
Max. operating rel. humidity	90%, no condensation
Warranty	
Warranty period	1 year
Identification	
Type number	ET-EDI10-18220 Rev A0

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