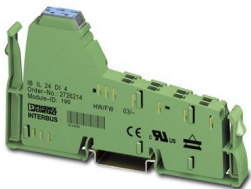


IB IL 24 DI 4-2MBD - Inline terminal

2855017

<https://www.phoenixcontact.com/us/products/2855017>

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Inline digital input terminal, without accessories, 4 inputs, 24 V DC, 2 Mbaud transmission speed, 3-conductor connection technology

Product description

The terminal is designed for use within an Inline station. It is used to acquire digital signals.

Your advantages

- Diagnostic and status indicators
- Maximum permissible load current from the terminal: 1 A
- Maximum permissible load current per sensor: 250 mA
- Connection of sensors in 2- and 3-conductor technology
- 4 digital inputs

Commercial data

Item number	2855017
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI131
GTIN	4046356347655
Weight per piece (including packing)	60.1 g
Weight per piece (excluding packing)	44 g
Country of origin	DE

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Technical data

Product properties

Type	modular
No. of channels	4
Operating mode	Process data operation with 4 bits

System properties

Module

ID code (dec.)	190
ID code (hex)	BE
Length code (hex)	41
Length code (dec)	65
Process data channel	4 bit
Input address area	4 bit
Output address area	0 Byte
Register length	4 bit
Required parameter data	1 Byte

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 40 mA

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 1 A

Electrical isolation/isolation of the voltage ranges

Test voltage: 5 V supply, incoming remote bus/7.5 V supply (bus logics)	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, outgoing remote bus/7.5 V supply (bus logics)	500 V AC, 50 Hz, 1 min
Test voltage: 7.5 V supply (bus logics)/24 V supply (I/O)	500 V AC, 50 Hz, 1 min
Test voltage: 24 V supply (I/O) / functional ground	500 V AC, 50 Hz, 1 min

Input data

Digital:

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Number of inputs	4
Connection method	Spring-cage connection
Connection technology	2-, 3-conductor

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Input voltage	24 V DC (via voltage jumper)
Input voltage range "0" signal	-3 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Typical response time	< 1 ms
Protective circuit	Short-circuit and overload protection

Connection data

Connection data of connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross-section AWG	28 ... 16

Interfaces

Inline local bus

Connection method	Inline data jumper
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Dimensions

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Material specifications

Color	green
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	DIN rail mounting
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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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