

IB IL DO 1 AC - Inline terminal

2836748

<https://www.phoenixcontact.com/us/products/2836748>

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Inline digital output terminal, without accessories, 1 output, 12 to 253 V AC, 500 mA, 3-conductor connection method

Product description

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

Commercial data

Item number	2836748
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI132
GTIN	4017918160463
Weight per piece (including packing)	61.8 g
Weight per piece (excluding packing)	61.8 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Product properties

Type	modular
No. of channels	1

System properties

Module

ID code (dec.)	189
ID code (hex)	BD
Length code (hex)	C2
Length code (dec)	194
Process data channel	2 bit
Input address area	0 Byte
Output address area	2 bit
Register length	2 bit
Required parameter data	3 Byte

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 35 mA

Potentials: I/O supply

Supply voltage	230 V AC (via voltage jumper)
Current draw	max. 0.5 A

Supply: Module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC

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) / I/O area	2500 V AC, 50 Hz, 1 min
Test voltage: Routine test	1200 V AC, 50 Hz, 1 min
Test voltage: I/O area / FE	500 V AC, 50 Hz, 1 min
Test voltage: Output / Phase	500 V AC, 50 Hz, 1 min

Output data

Digital:

Output name	Digital outputs
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Connection method	Spring-cage connection
Connection technology	3-conductor
Number of outputs	1
Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	500 mA
Maximum output current per module	500 mA
Nominal output voltage	230 V AC
Output voltage range	12 V AC ... 253 V AC (via voltage jumper)

Connection data

Inline 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

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

Material specifications

Color	gray
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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

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Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (slight temporary condensation may sometimes appear on the housing)

Standards and regulations

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

Mounting type	DIN rail mounting
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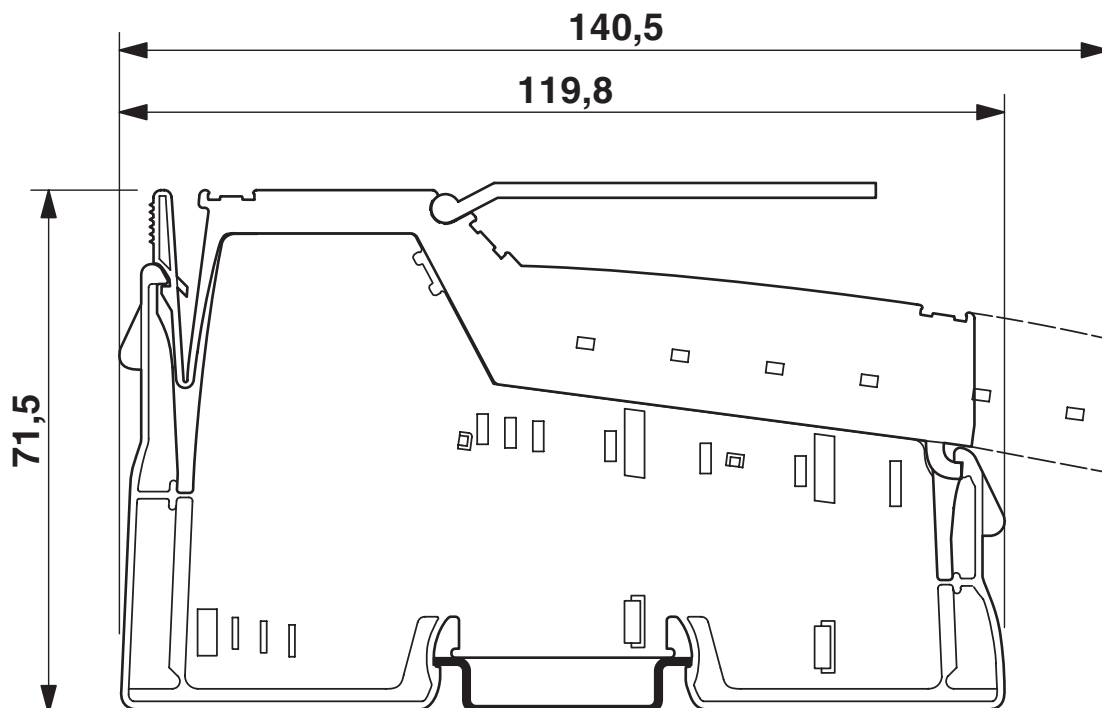
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Drawings

Dimensional drawing



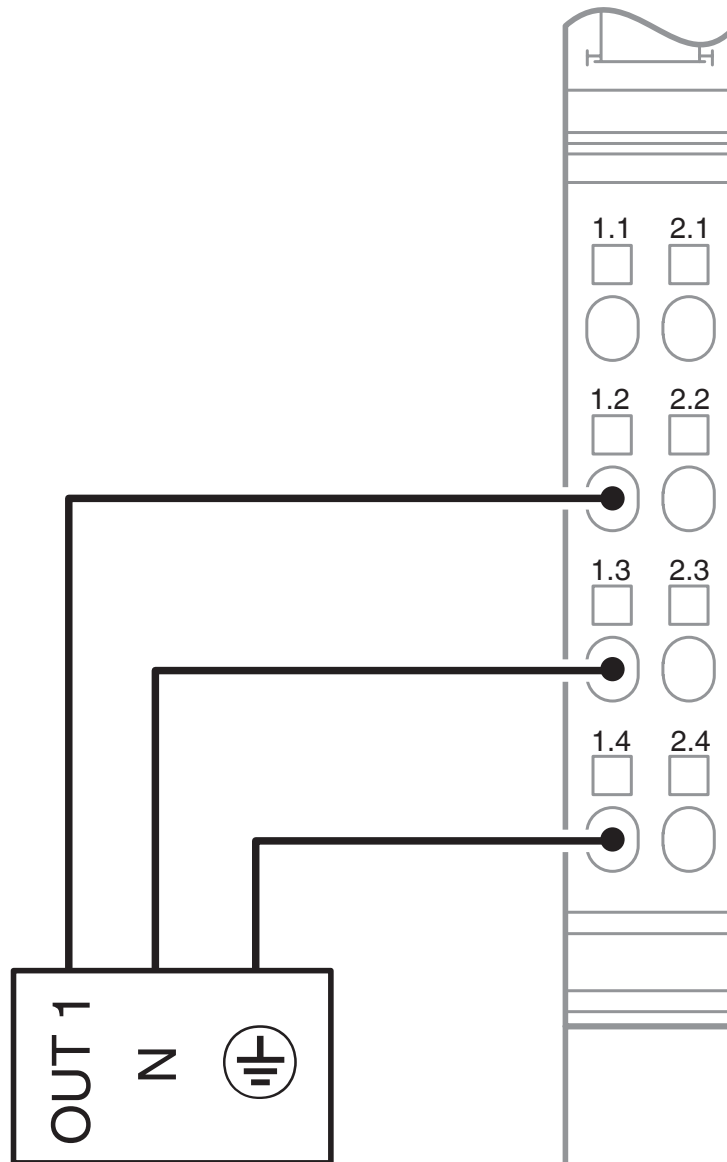
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Connection diagram



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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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