

# IB IL DO 1 AC - Inline terminal

2836748

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Technical data

### Product properties

Type	modular
No. of channels	1

### System properties

#### Programming data

Length code (hex)	C2
ID code (dec.)	189
Length code (dec)	194
Process data channel	2 bit
Input address area	0 Byte
Output address area	2 bit
Parameter channel (PCP)	0 bit
Register length (bus)	2 bit

#### Fieldbus data telegram

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

# IB IL DO 1 AC - Inline terminal

2836748

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

## Digital:

Output name	Digital outputs
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

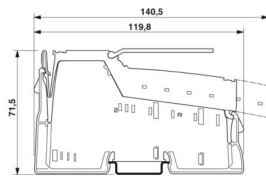
Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

## Interfaces

### Inline local bus

Connection method	Inline data jumper
-------------------	--------------------

## Dimensions

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

## Material specifications

Color	gray
-------	------

## 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)

# IB IL DO 1 AC - Inline terminal



2836748

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

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)	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)
------------------	-------------------------------------

## Mounting

Mounting type	DIN rail mounting
---------------	-------------------

# IB IL DO 1 AC - Inline terminal

2836748

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

## Drawings

Dimensional drawing



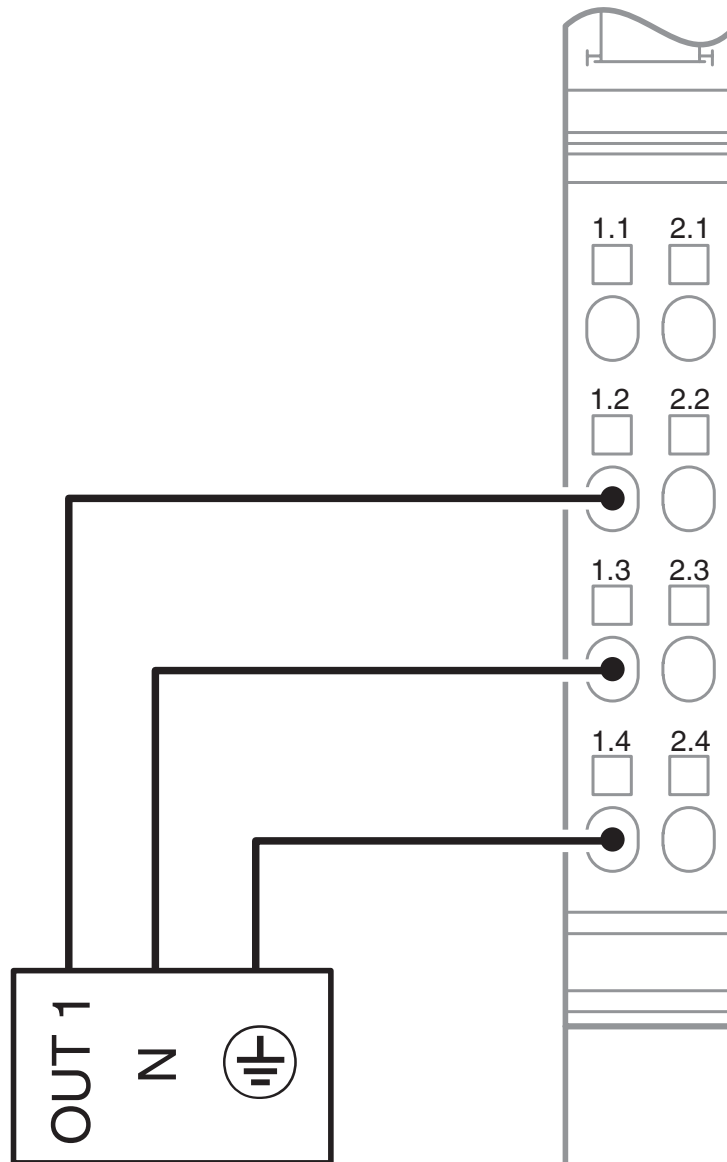
# IB IL DO 1 AC - Inline terminal

2836748

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



Connection diagram



# IB IL DO 1 AC - Inline terminal



2836748

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

## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)