

# IB IL DO 4 AC-1A - Inline terminal



2742696

<https://www.phoenixcontact.com/us/products/2742696>

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Inline digital output terminal, without accessories, 4 outputs, 12 to 253 V AC, 1 A, 3-conductor connection technology

The figure shows versions IB IL DO 1 AC and IB IL DO 4 AC-1A

## Commercial data

Item number	2742696
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI132
GTIN	4017918890780
Weight per piece (including packing)	160.4 g
Weight per piece (excluding packing)	160.4 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

### Material specifications

Color	gray
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### Interfaces

#### Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

### System properties

#### Programming data

Length code (hex)	41
ID code (dec.)	189
Length code (dec)	65
Process data channel	4 bit
Input address area	0 Byte
Output address area	4 bit
Parameter channel (PCP)	0 bit
Register length (bus)	4 bit

#### Fieldbus data telegram

Required parameter data	3 Byte
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### Output data

#### Digital:

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	3-conductor
Number of outputs	4

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Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	1 A
Maximum output current per module	4 A
Nominal output voltage	230 V AC
Output voltage range	12 V AC ... 253 V AC (via voltage jumper)

## Product properties

Product type	I/O component
Product family	Inline
Type	modular
No. of channels	4

## Electrical properties

### Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 45 mA

### Potentials: I/O supply

Supply voltage	230 V AC (via voltage jumper)
Current draw	max. 4 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) / 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

## Connection data

### Connection technology

Connection name	Inline connector
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### 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

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20

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

Mounting type	DIN rail mounting
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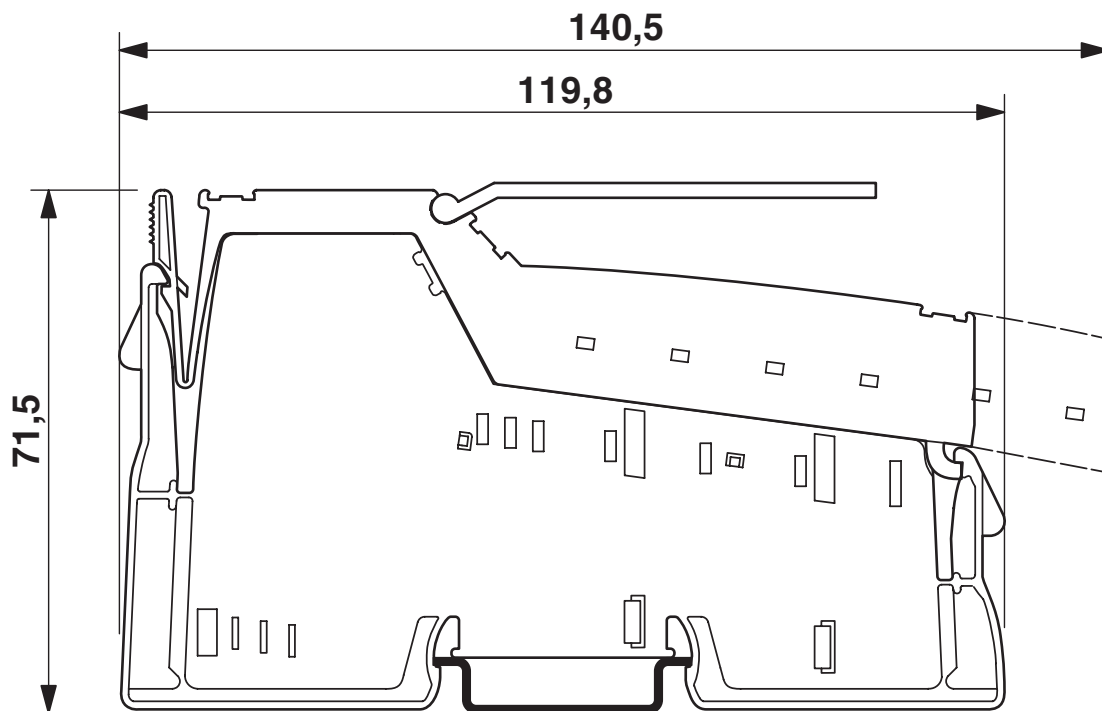
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## Drawings

Dimensional drawing



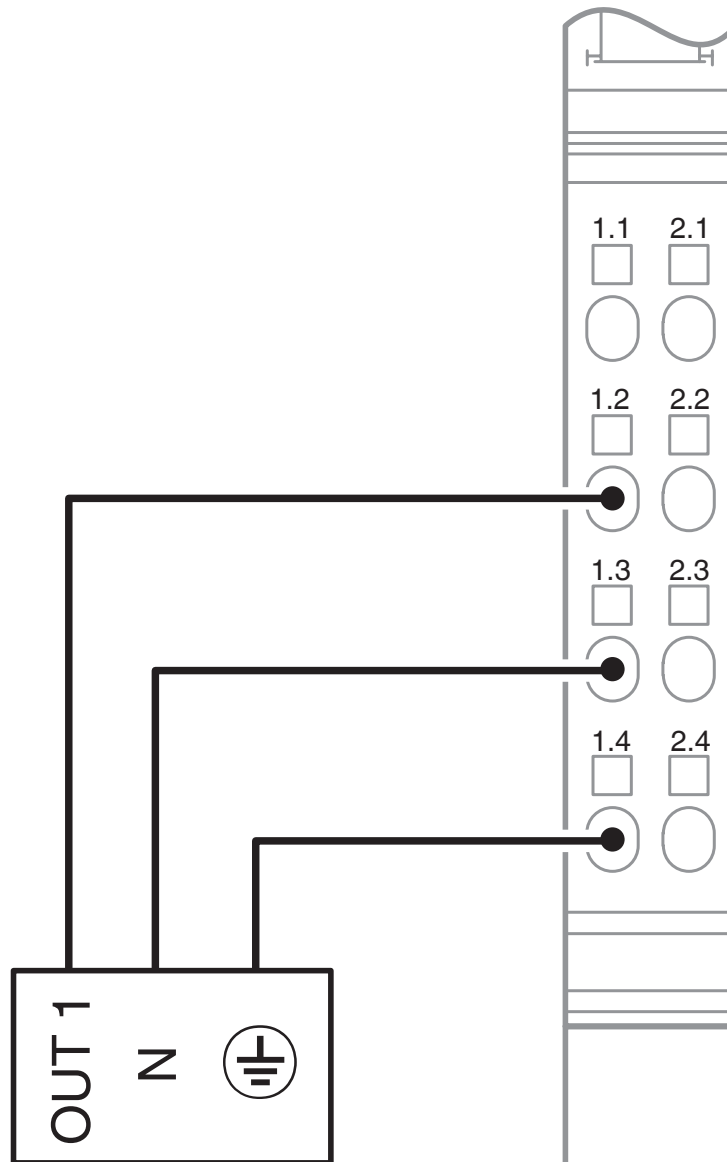
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Connection diagram



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## Environmental product compliance

EU REACH SVHC

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