

# IB IL PD GND-PAC - Potential distributors



2862990

<https://www.phoenixcontact.com/us/products/2862990>

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Inline terminal for power distribution (GND), complete with accessories, (connector and labeling field) connections for GND



## Product description

The terminal is designed for use within an Inline station. The terminal has eight GND connections. They therefore enable connection to the station-internal GND of sensors and actuators, which are connected to the IB IL 24 DI.../HD-PAC or IB IL 24 DO.../HD-PAC terminal via 1-conductor technology. They therefore enable connection to the station-internal GND of actuators, which are connected to the IB IL 24 DO 32/HD terminal via 1-conductor technology.

## Your advantages

- Connections for GND

## Commercial data

Item number	2862990
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI124
GTIN	4017918910099
Weight per piece (including packing)	75 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

#### Note on application

Note on application Only for industrial use

### Interfaces

#### Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps

### System properties

#### Module

ID code (dec.)	none
ID code (hex)	none
Register length	0 bit
Required parameter data	0 Byte
Required configuration data	0 Byte

### Product properties

Product type	I/O component
Product family	Inline
Type	modular
Installation location	Control cabinet

#### Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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### Electrical properties

Maximum power dissipation for nominal condition	0 W
Test section	24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min

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## Supply

I/O voltage	GND
Max. current consumption	8 A

## Connection data

### Connection technology

Connection name	Inline connector
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### Conductor connection

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
Stripping length	8 mm

### 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
Stripping length	8 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %

## Mounting

Mounting type	DIN rail mounting
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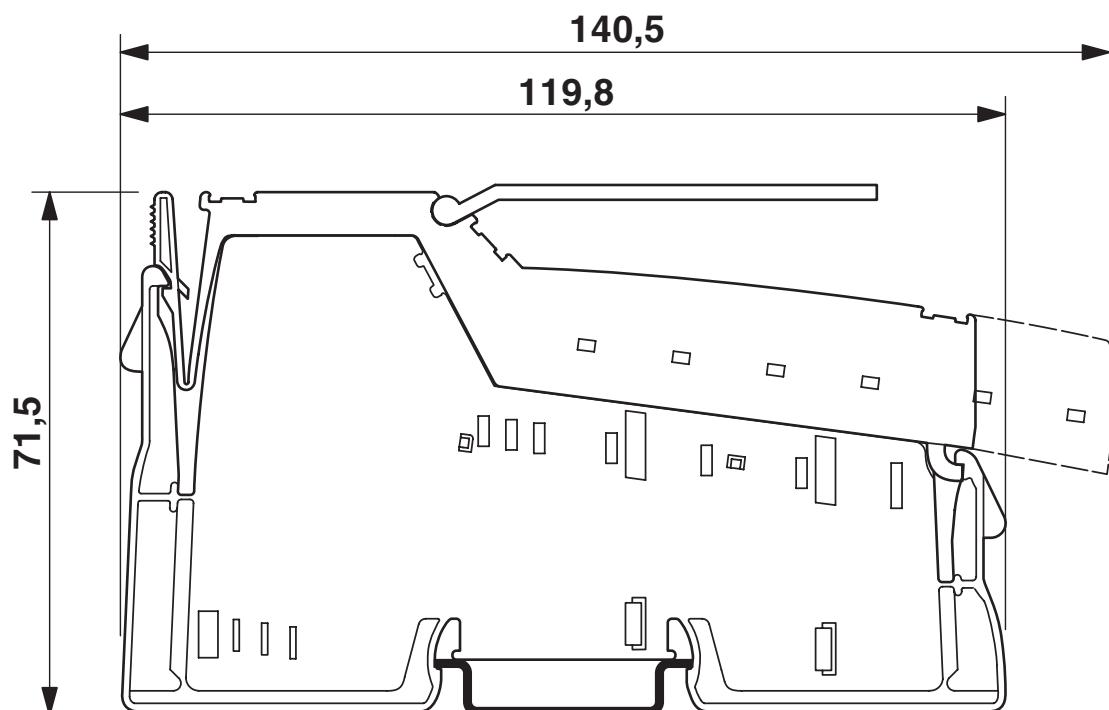


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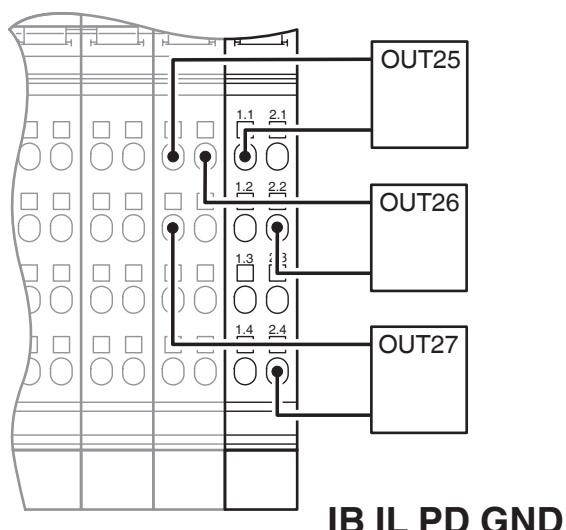
## Drawings

Dimensional drawing



Connection diagram

E.g., for single-wire connection with  
**IB IL 24 DO 32/HD**



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## Approvals

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**LR**

Approval ID: LR23398855TA



**BV**

Approval ID: 20989\_C1 BV

**ABS**

Approval ID: 22-2226444-PDA

**DNV**

Approval ID: TAA00002CU

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## Classifications

### ECLASS

ECLASS-13.0	27242692
ECLASS-15.0	27242692

### ETIM

ETIM 9.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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