

Potential distributors - IB IL PD 24V-PAC



2862987

<https://www.phoenixcontact.com/gb/products/2862987>

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Inline terminal for power distribution (24 V), complete with accessories, (connector and labeling field) 24 V supply voltage is fed out from the segment circuit (US)



Product Description

The terminal is designed for use within an Inline station. The terminal enables the 24 V supply voltage to be supplied from the segment circuit (U_S). It therefore provides the 24 V supply from U_S for sensors, which are connected to the IB IL 24 DI.../HD-PAC Inline terminals via 1-conductor technology.

Your advantages

- Supply of the 24 V segment voltage U_S

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Commercial Data

Order Key	2862987
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRI124
Product Key	DRI124
Catalog Page	Page 115 (C-6-2019)
GTIN	4017918910105
Weight per Piece (including packing)	74.7 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

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Material specifications

Color	gray
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Interfaces

Inline local bus

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

Supply voltage

Connection method	Inline potential distributor
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System properties

Module

ID code (dec.)	none
ID code (hex)	none

Product properties

Type	modular
	Inline

Insulation characteristics

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

Test section	24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min.
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Supply

I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC
Max. current consumption	8 A

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. 8 A

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	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
Stripping length	8 mm

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
Stripping length	8 mm

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
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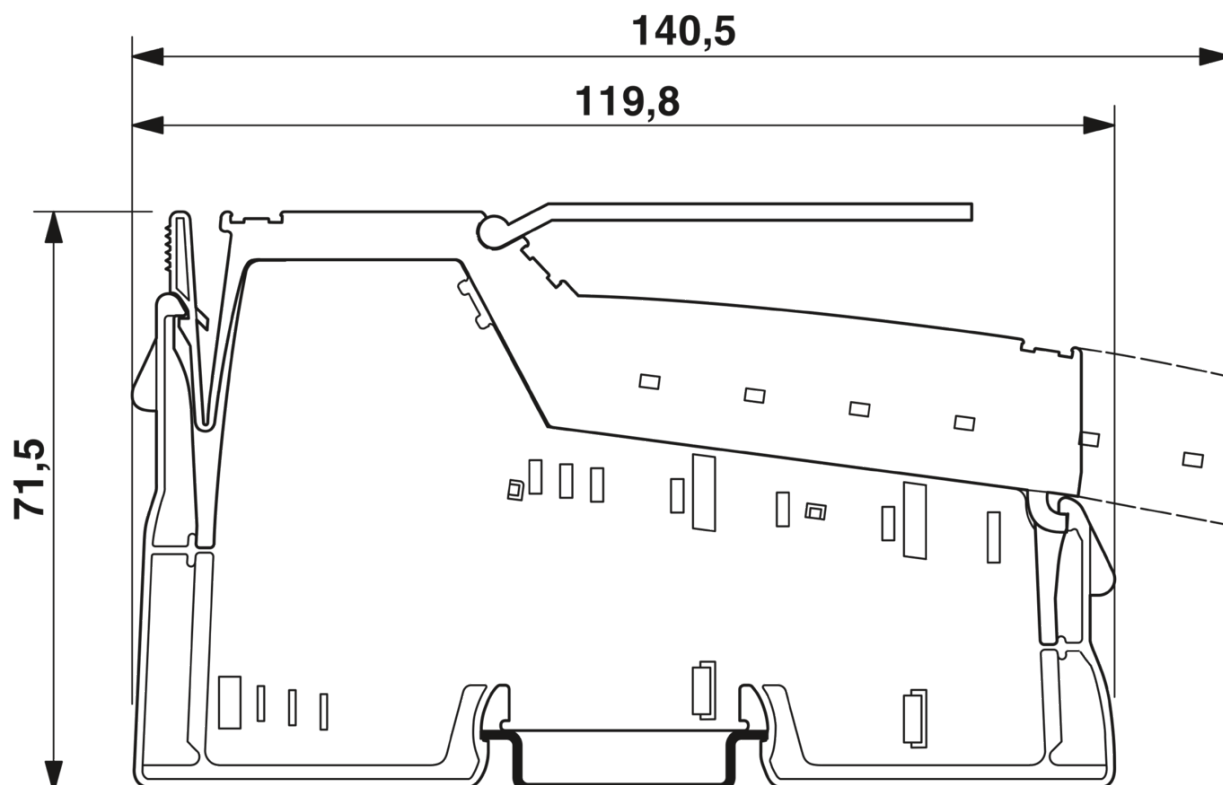


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Drawings

Dimensional drawing



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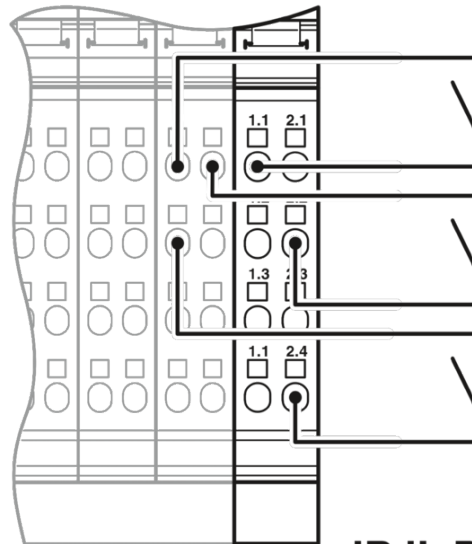


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Connection diagram

e.g. for single wire
connection with
IB IL 24 DI 32/HD



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Approvals

EAC 

DNV GL 

LR 

BV 

ABS

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Classifications

ECLASS

ECLASS-9.0	27242692
ECLASS-10.0.1	27242692
ECLASS-11.0	27242692

ETIM

ETIM 6.0	EC001600
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UNSPSC

UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

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Environmental Product Compliance

China RoHS

Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

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