

IB IL PD 24V-PAC - Potential distributors



2862987

<https://www.phoenixcontact.com/us/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

Commercial data

Item number	2862987
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI124
GTIN	4017918910105
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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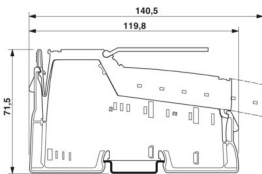


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Technical data

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
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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
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

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

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 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

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

Environmental and real-life conditions

Ambient conditions

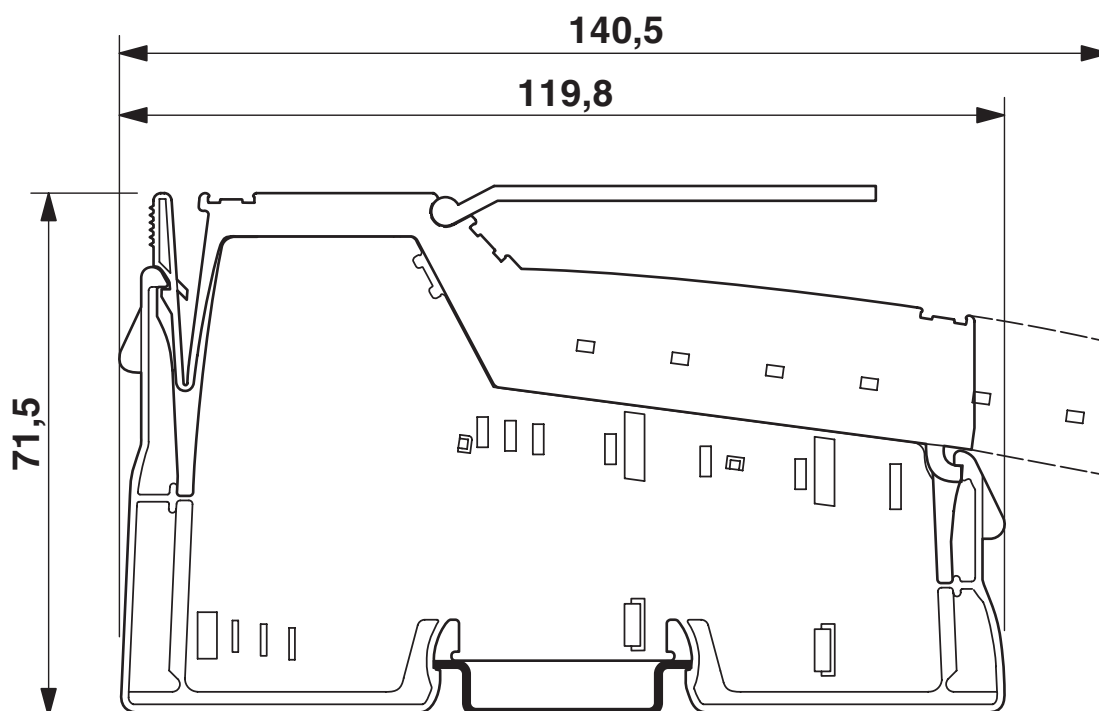
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %

Mounting

Mounting type	DIN rail mounting
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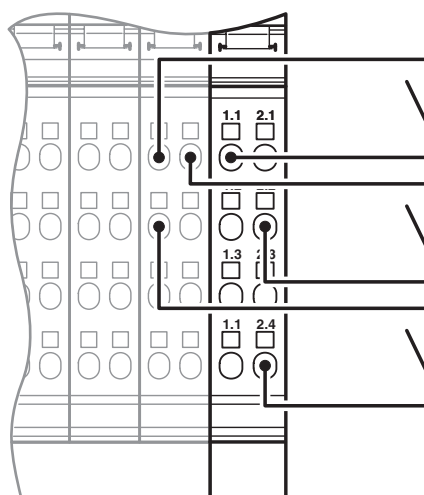
Drawings

Dimensional drawing



Connection diagram

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