IB IL PD 24V-PAC - Potential distributors

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

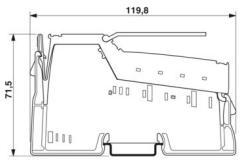
- Supply of the 24 V segment voltage U_S

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)	69.5 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389099
Country of origin	DE

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

Mounting

Mounting type	DIN rail mounting

Material specifications

Color (Housing)	green (RAL 6021)

Interfaces

Inline local bus

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

Supply voltage

Connection method	Inline potential distributor

System properties

Programming data

ID code (dec.)	none
Register length (bus)	0 bit

Fieldbus data telegram (PROFIBUS)

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

Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

Electrical properties

Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min
	7.5 V supply (bus logic)/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

Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.08 mm² ... 1.5 mm²
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)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
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)

Mechanical test

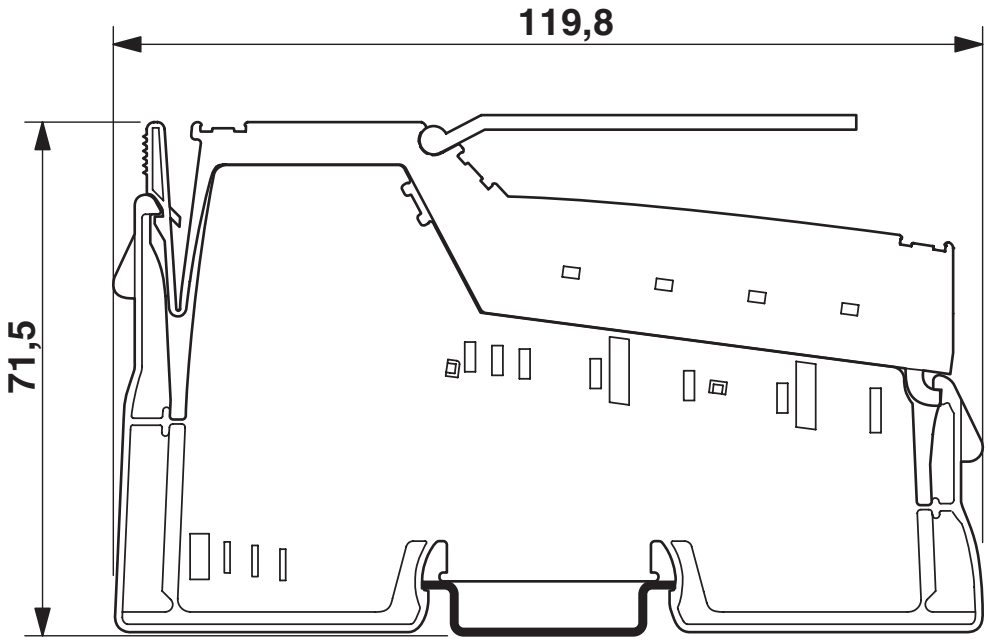
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

Standards and regulations

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

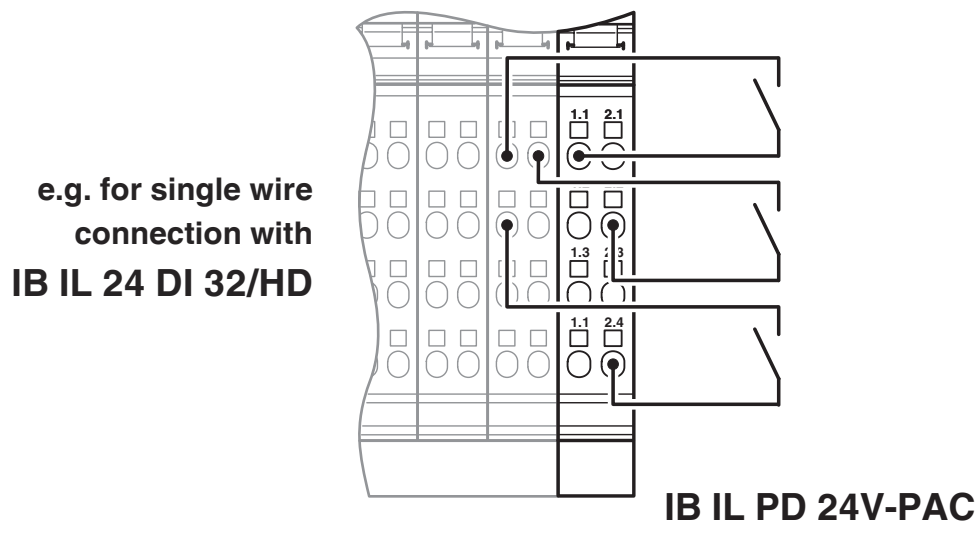
Drawings

Dimensional drawing



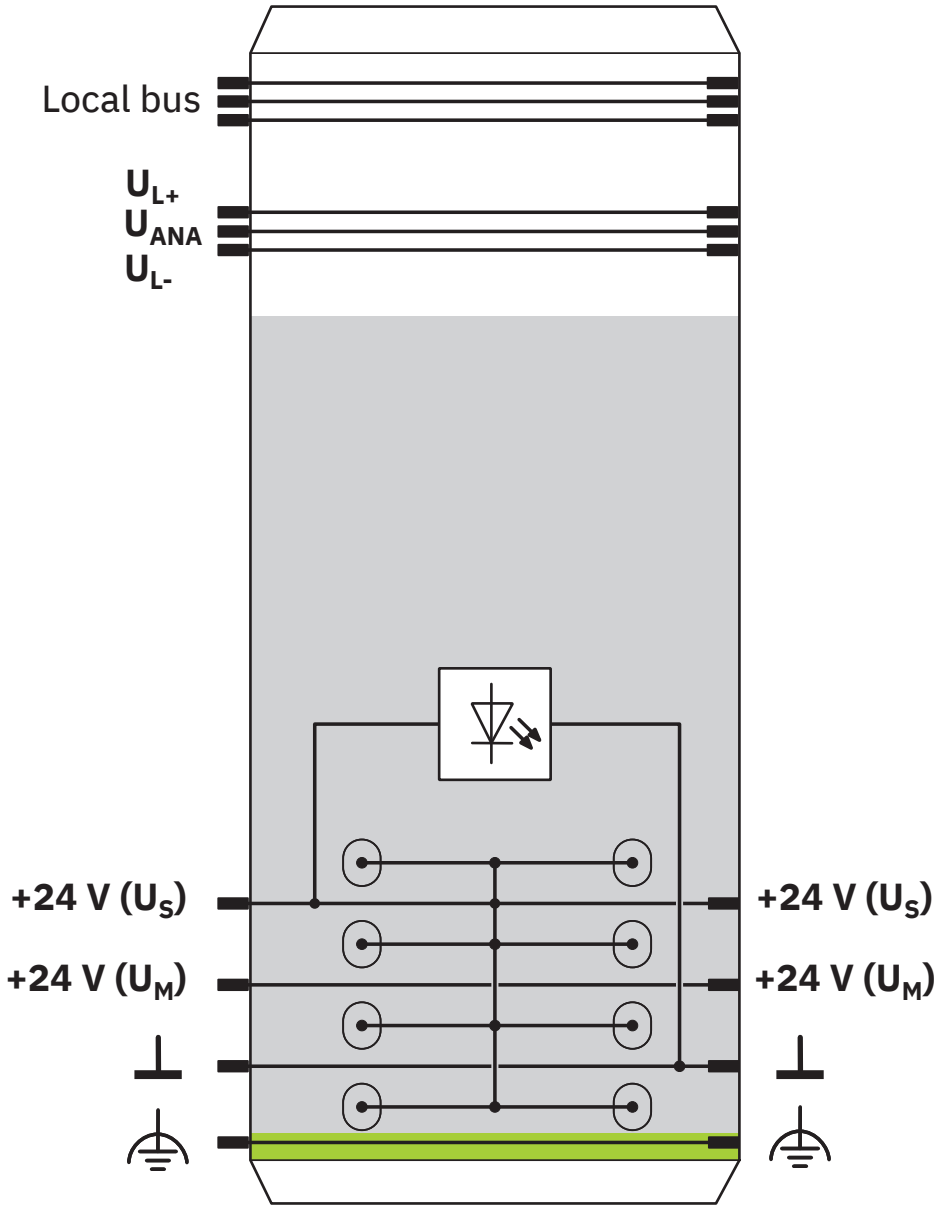
Dimensions (in mm)

Connection diagram



Connection example

Block diagram



Internal wiring of the terminal points

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2862987

LR
Approval ID: LR23398855TA

BV
Approval ID: 20989_C1 BV

ABS
Approval ID: 22-2226444-PDA

DNV
Approval ID: TAA00002CU

Classifications

ECLASS

ECLASS-13.0	27242692
ECLASS-15.0	27242692

ETIM

ETIM 10.0	EC002584

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

EF3.1 Climate Change

CO2e kg	0.811 kg CO2e

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