

IB IL 24 PWR IN-PAC - Power module



2861331

<https://www.phoenixcontact.com/gb/products/2861331>

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Inline power terminal, complete with accessories (connector and labeling field), 24 V DC, without fuse

Product description

The terminal is designed for use within an Inline station. It enables the 24 V supply voltage to be fed into the main circuit (U_M). In addition, this terminal can be used to supply power for a 24 V segment circuit (U_S).

Your advantages

- Supply of the 24 V main voltage U_{M}
- Feed-in or provision of the 24 V segment voltage U_S
- Main circuit protected by an external fuse
- Segment circuit can be protected by an external fuse

Commercial data

Item number	2861331
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRI121
Product key	DRI121
Catalog page	Page 110 (C-6-2019)
GTIN	4017918894276
Weight per piece (including packing)	82.4 g
Weight per piece (excluding packing)	59 g
Customs tariff number	85389099
Country of origin	DE

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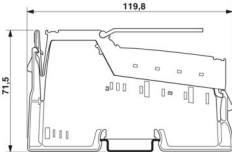
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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Utilization restriction	
CCCex note	Use in potentially explosive areas is not permitted in China.

Interfaces

Inline local bus	
Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps (Can be used in Inline stations with these transmission speeds)

System properties

Module	
ID code (dec.)	none
ID code (hex)	none
Process data channel	0 bit
Input address area	0 bit
Output address area	0 bit
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
Number of plugs	1
Special properties	24 V DC
	U _M , U _S

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Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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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.
Protective circuit	Surge protection; Suppressor diode
	Reverse polarity protection; Parallel polarity protection diode
	Overload protection, short-circuit protection in the segment circuit; No

Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V ... 30 V (including all tolerances, including ripple)

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)

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)	10 % ... 95 % (non-condensing)

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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)

Mounting

Mounting type	DIN rail mounting
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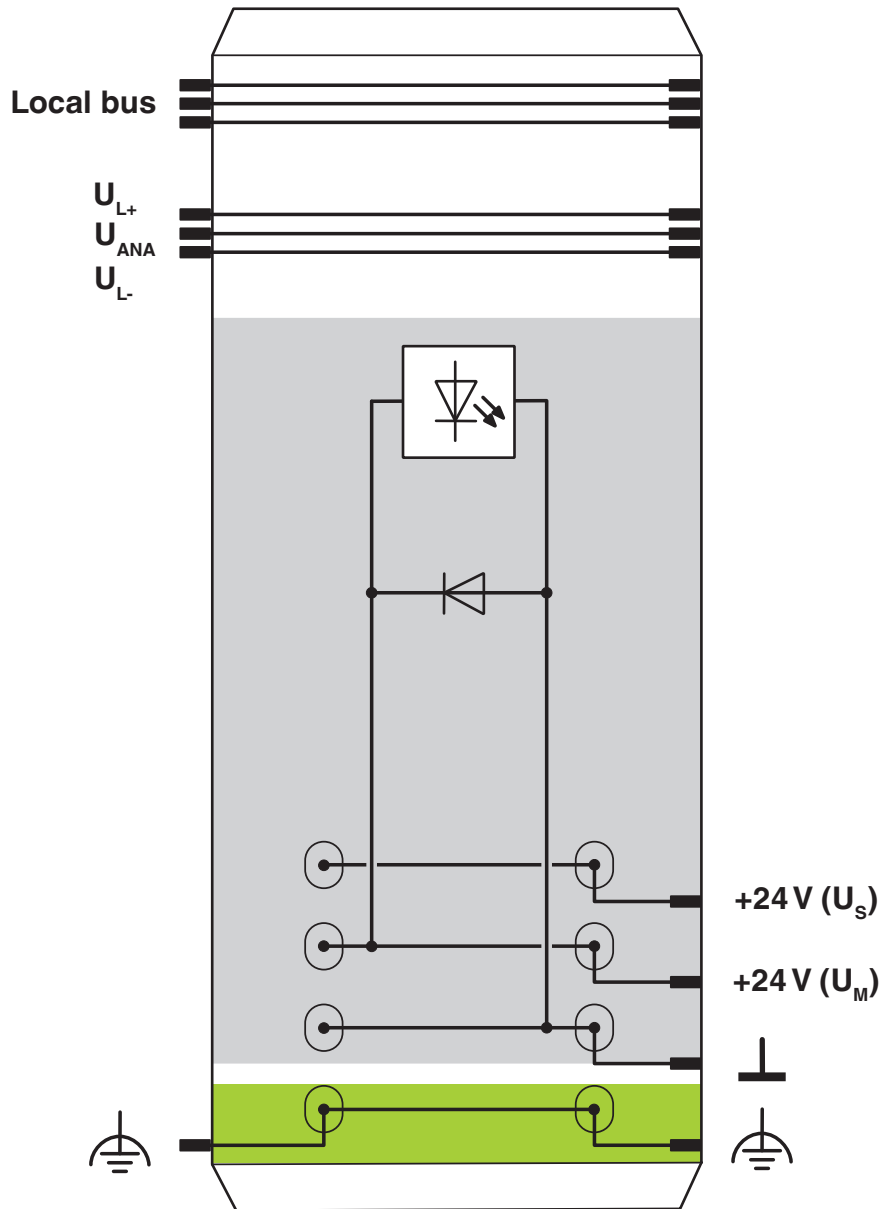
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Drawings

Block diagram



Internal wiring of the terminal points

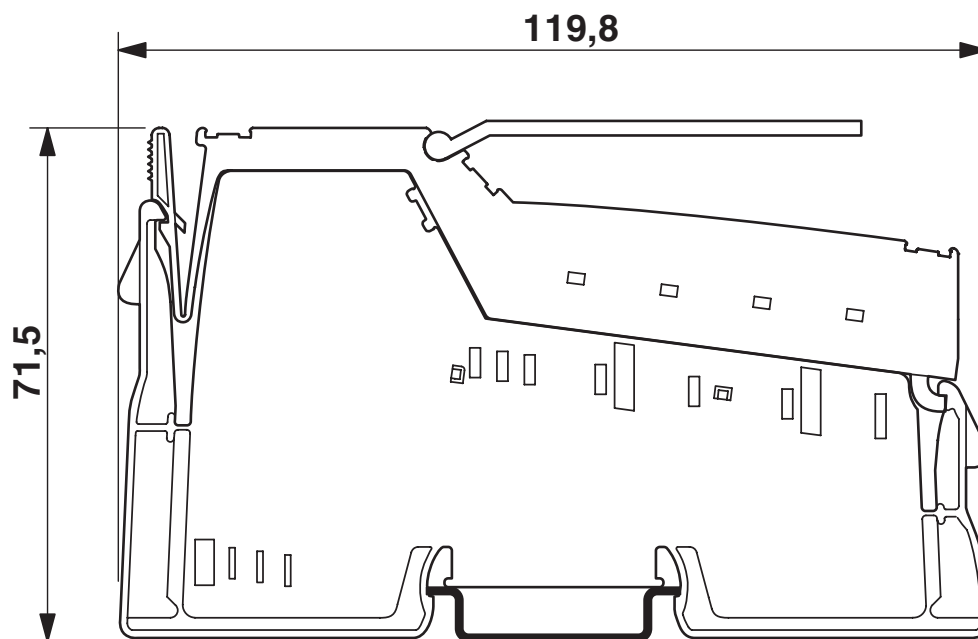
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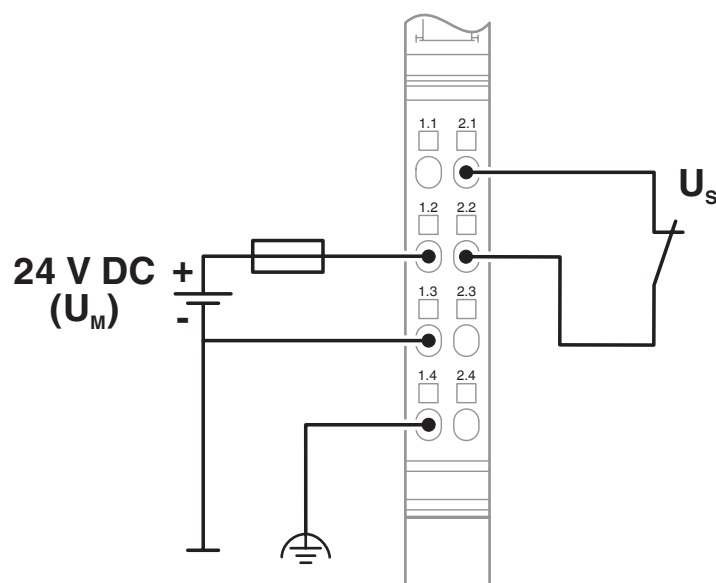
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Dimensional drawing



Connection diagram



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Approvals

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UL Recognized

Approval ID: FILE E 140324



EAC

Approval ID: TR TS_D_01921-19



DNV GL

Approval ID: TAA00000BN



BV

Approval ID: 21595/C0 BV

BSH

Approval ID: 658a



RINA

Approval ID: ELE121121XG

ABS

Approval ID: 22-2226444-PDA

Functional Safety

Approval ID: 968/EL 711.05/16

UAE-RoHS

Approval ID: 22-04-13090



cUL Listed

Approval ID: FILE E 199827



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Approval ID: FILE E 199827

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Classifications

ECLASS

ECLASS-11.0	27242610
ECLASS-12.0	27242610
ECLASS-13.0	27242610

ETIM

ETIM 9.0	EC001600
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7299a6fb-f2d4-4905-b023-8a5c6370c144

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Accessories

IB IL SCN-PWR IN-CP - Inline connector

2727637

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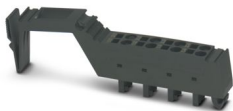


Connector, colored, for Inline power and segment terminal blocks

IB IL SCN-PWR IN - Inline connector

2727462

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Connector, for Inline power and segment terminal blocks

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IB IL FIELD 2 - Marking field

2727501

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Marking field, width: 12.2 mm



ESL 62X10 - Insert strip

0809492

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Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, CMS-P1-PLOTTER, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



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Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk