

# IB IL 24 PWR IN-PAC - Feed-in module

2861331

<https://www.phoenixcontact.com/us/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	DR01
Product key	DRI121
GTIN	4017918894276
Weight per piece (including packing)	71.5 g
Weight per piece (excluding packing)	59 g
Customs tariff number	85389099
Country of origin	DE

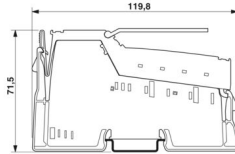
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## Technical data

### 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
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#### Utilization restriction

CCCEX note	Use in potentially explosive areas is not permitted in China.
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### Material specifications

Color (Housing)	green (RAL 6021)
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### 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

#### Programming data (LocalbusSlave)

ID code (dec.)	none
Process data channel	0 bit
Input address area	0 bit
Output address area	0 bit
Parameter channel (PCP)	0 bit
Register length (bus)	0 bit

#### Fieldbus data telegram

Required parameter data	0 Byte
Required configuration data	0 Byte

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## Product properties

Product type	I/O component
Product family	Inline
Type	modular
Installation location	Control cabinet
Number of plugs	1
Special properties	24 V DC $U_M, U_S$

## Insulation characteristics

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

Maximum power dissipation for nominal condition	1.8 W
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)
Power supply	max. 8 A (sum of $U_M + U_S$ )

## 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)
Power supply	max. 8 A (sum of $U_M + U_S$ )

## Connection data

### Connection technology

Connection name	Inline connector
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### 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

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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)

## Mounting

Mounting type	DIN rail mounting
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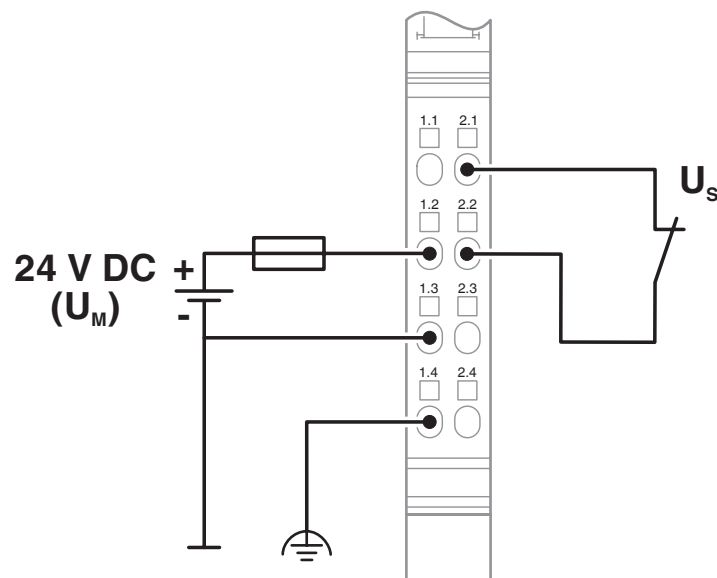
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## Drawings

Dimensional drawing



Connection diagram



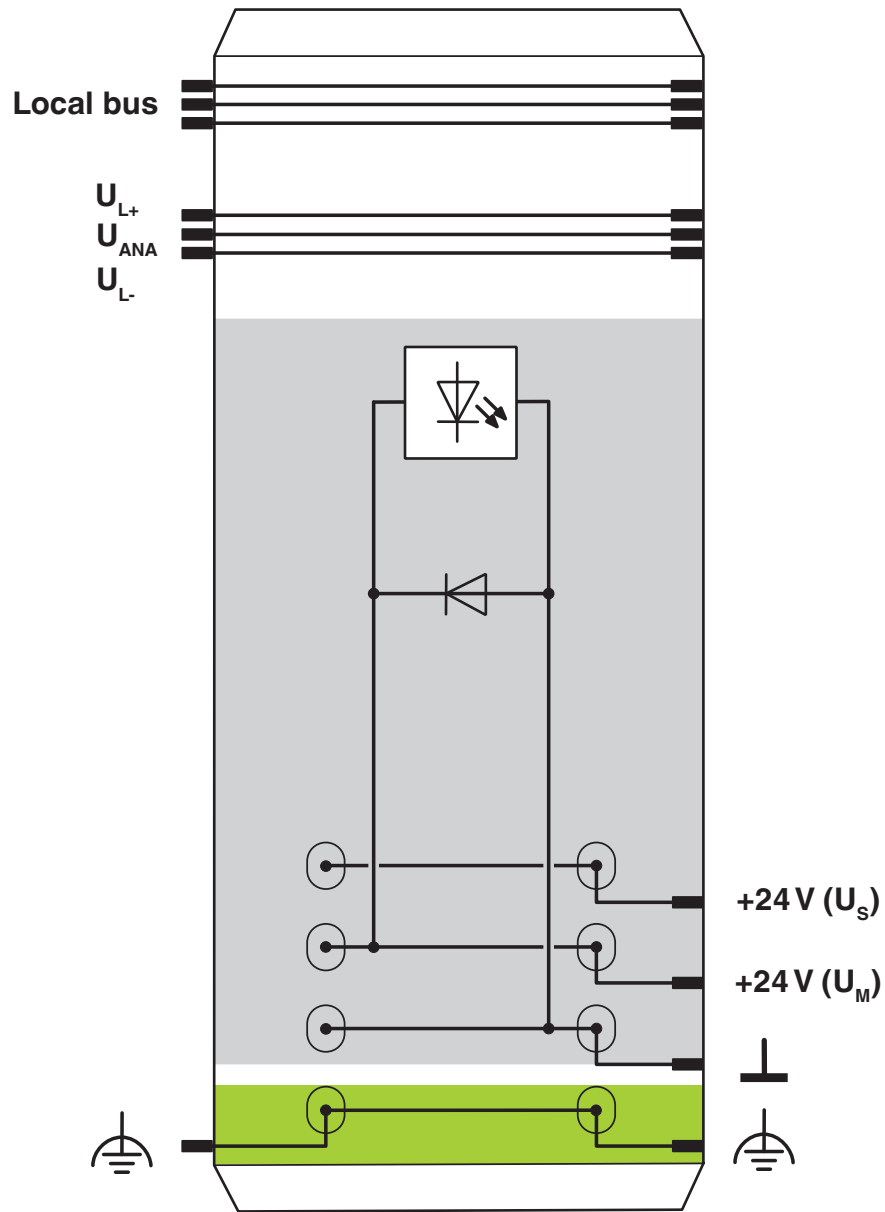
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Block diagram



Internal wiring of the terminal points

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2861331>



**DNV GL**

Approval ID: TAA00000BN



**BV**

Approval ID: 21595/C1 BV

**BSH**

Approval ID: 658a



**RINA**

Approval ID: ELE121121XG

**ABS**

Approval ID: 22-2226444-PDA



**cULus Recognized**

Approval ID: E140324



**Functional Safety**

Approval ID: 968/EL 711.08/23



**cULus Listed**

Approval ID: E199827

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## Classifications

### ECLASS

ECLASS-13.0	27242610
ECLASS-15.0	27242610

### ETIM

ETIM 10.0	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

### EF3.1 Climate Change

CO2e kg	0.311 kg CO2e
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