

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



2861438

<https://www.phoenixcontact.com/us/products/2861438>

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Inline power terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse (Main voltage)

## 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 ( $U_M$ ). The terminal has protection against polarity reversal and surge voltage. 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  $U_{M}$
- Main circuit protected by an internal fuse
- Feed-in or provision of the 24 V segment voltage  $U_S$
- Diagnostic and status indicators

## Commercial data

Item number	2861438
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI121
GTIN	4017918894368
Weight per piece (including packing)	76.05 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389099
Country of origin	DE

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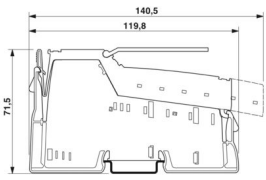


2861438

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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

### System properties

#### Programming data

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

#### Fieldbus data telegram

Required parameter data	0 Byte
Required configuration data	0 Byte

### Product properties

Product type	I/O component
Product family	Inline
Type	modular

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Installation location	Control cabinet
Number of plugs	1
Special properties	24 V DC
	$U_M, U_S$
	With fuse ( $U_M$ )

## 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	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	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
Protective circuit	Polarity protection, surge protection
	Overload protection; Fuse
Fuse	SI 5 x 20 6, 300 AT (in scope of delivery)

## Supply

I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Residual ripple	$\pm 1.2$ V
Max. current consumption	6 A (8 A)

## 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. 4 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

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C

## Mounting

Mounting type	DIN rail mounting
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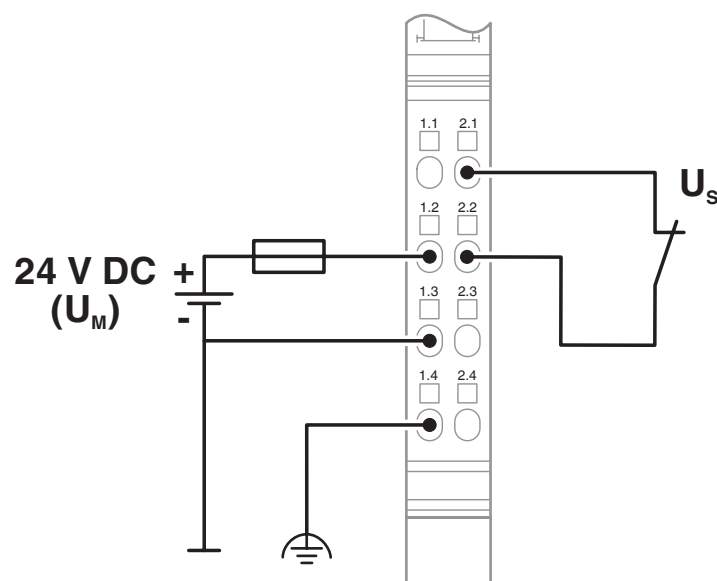
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## Drawings

Dimensional drawing



Connection diagram



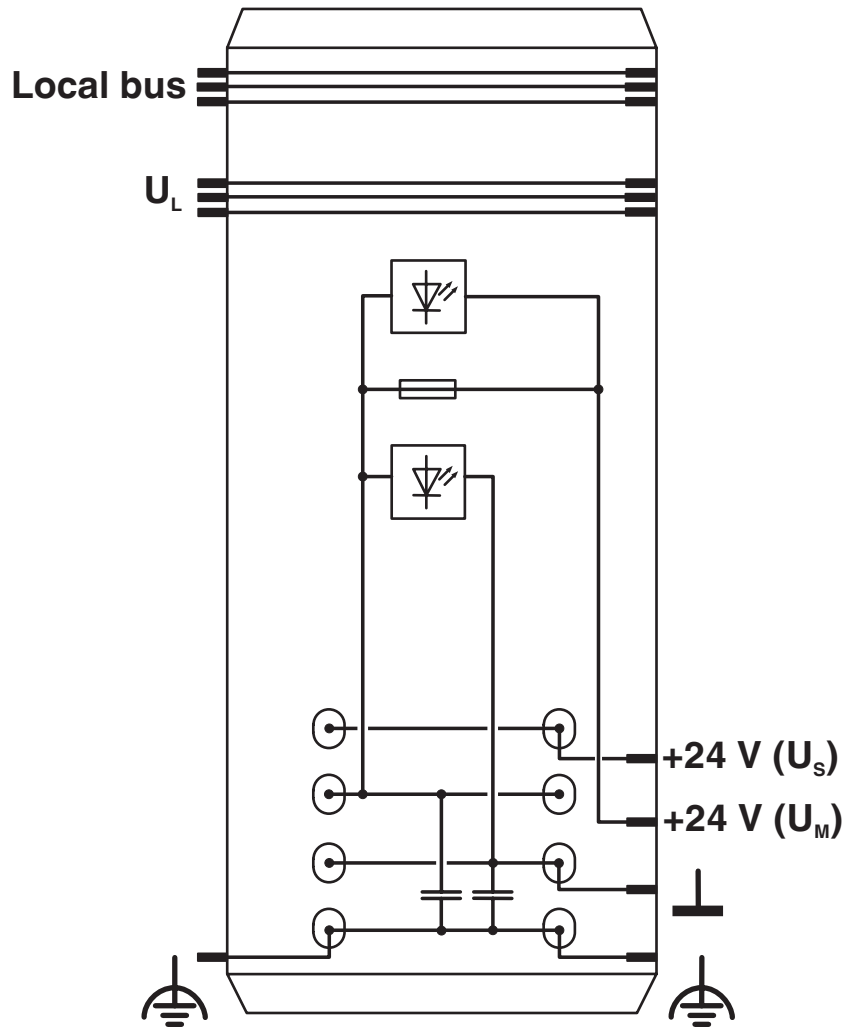
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Block diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2861438>



**cULus Recognized**

Approval ID: E140324



**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	2345e6c0-1be5-45e3-bd16-410cd2348c08

### EF3.1 Climate Change

CO2e kg	1.122 kg CO2e
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