

IB IL 24 PWR IN - Inline terminal

2726311

<https://www.phoenixcontact.com/us/products/2726311>

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Inline power terminal block, without accessories, 24 V DC



The figure shows the version IB IL 24 PWR IN-PAC

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

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

Commercial data

Item number	2726311
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI121
GTIN	4017918168155
Weight per piece (including packing)	61.9 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389091
Country of origin	DE

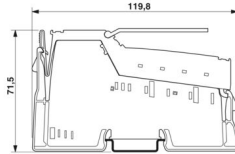
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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color	green
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Interfaces

Inline local bus

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

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

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 Inline
Number of plugs	1

Insulation characteristics

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

7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min

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Test section	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 (nominal value)
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 (nominal value)
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 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)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 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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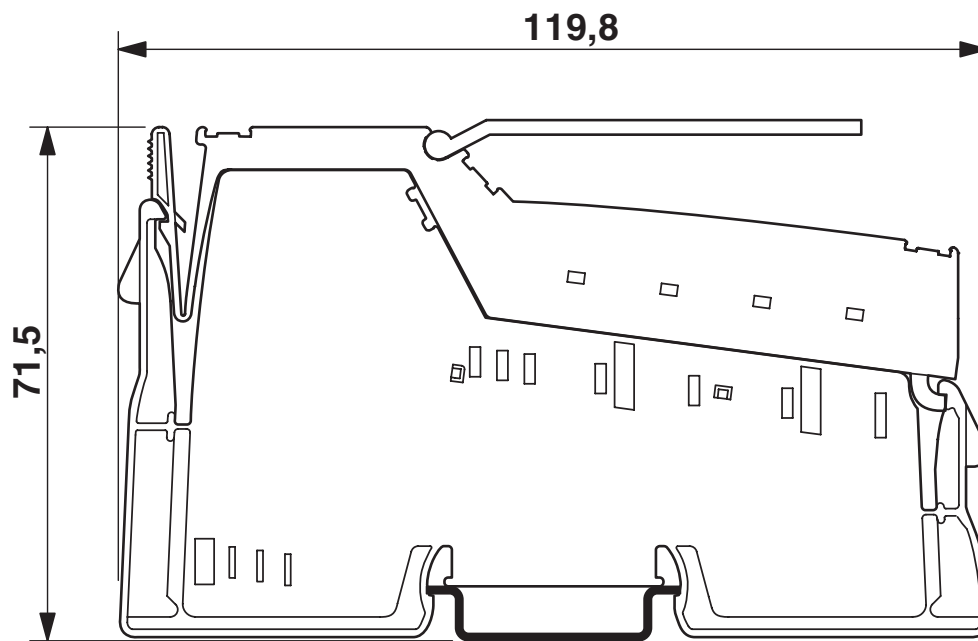
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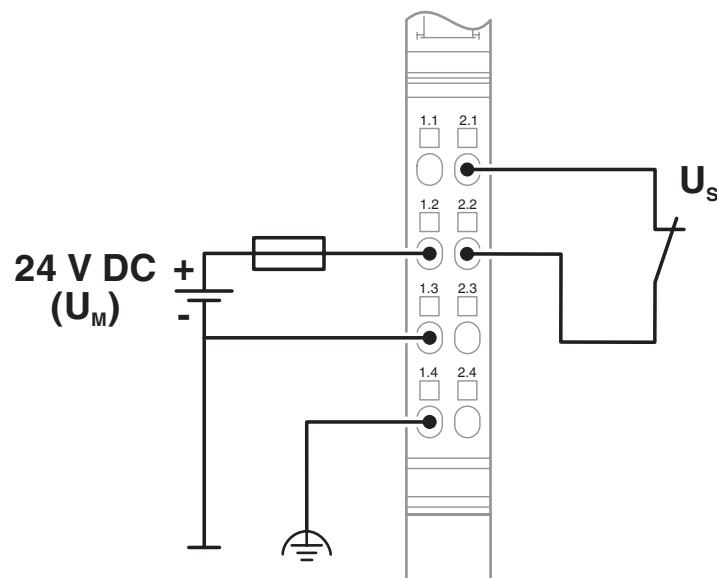
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Drawings

Dimensional drawing



Connection diagram



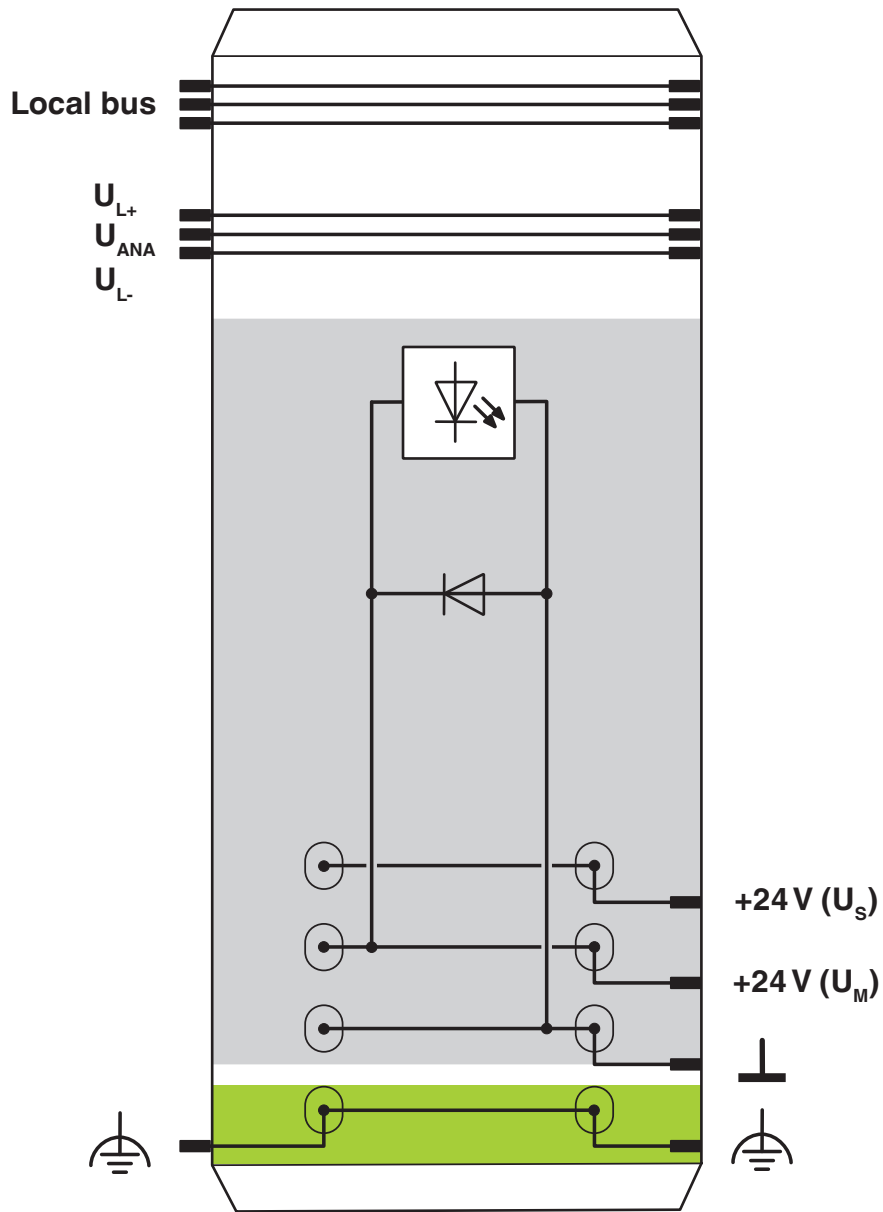
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Block diagram



Internal wiring of the terminal points

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Environmental product compliance

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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