

# IB IL 24 PWR IN/2F-D-2MBD - Inline terminal

2861195

<https://www.phoenixcontact.com/us/products/2861195>

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Inline power terminal block, without accessories, 24 V DC, with fuse (Main and segment voltage) and diagnostics, transmission speed 2 Mbaud



The figure shows version IB IL 24 PWR IN/F

## Your advantages

- Supply of the 24 V main voltage  $U_{M}$
- Feed-in or provision of the 24 V segment voltage  $U_{S}$
- Diagnostic and status indicators

## Commercial data

Item number	2861195
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI121
GTIN	4017918918828
Weight per piece (including packing)	66.8 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Dimensions

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Interfaces

#### Inline local bus

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

### System properties

#### Local diagnostics

Error messages via the bus	/O error message when fuse triggered or missing
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#### Programming data

Length code (hex)	C2
ID code (dec.)	190
Length code (dec)	194
Process data channel	2 bit
Input address area	2 bit
Output address area	0 Byte
Parameter channel (PCP)	0 Byte
Register length (bus)	2 bit

#### Fieldbus data telegram

Required parameter data	1 Byte
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### Input data

#### Digital

Input voltage	24 V DC
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### Product properties

Product type	I/O component
Product family	Inline
Type	modular
	Inline

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## Insulation characteristics

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

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
Fuse	Safety fuse 5 x 20 with 6.3 A slow

## Supply

Communications power $U_L$	7.5 V
I/O voltage	24 V DC
I/O voltage range	19.2 V ... 30 V DC (including all tolerances, including ripple)
Max. current consumption	max. 45 mA

## Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 45 mA DC (maximum)

## 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. 4 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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)

## Mounting

Mounting type	DIN rail mounting
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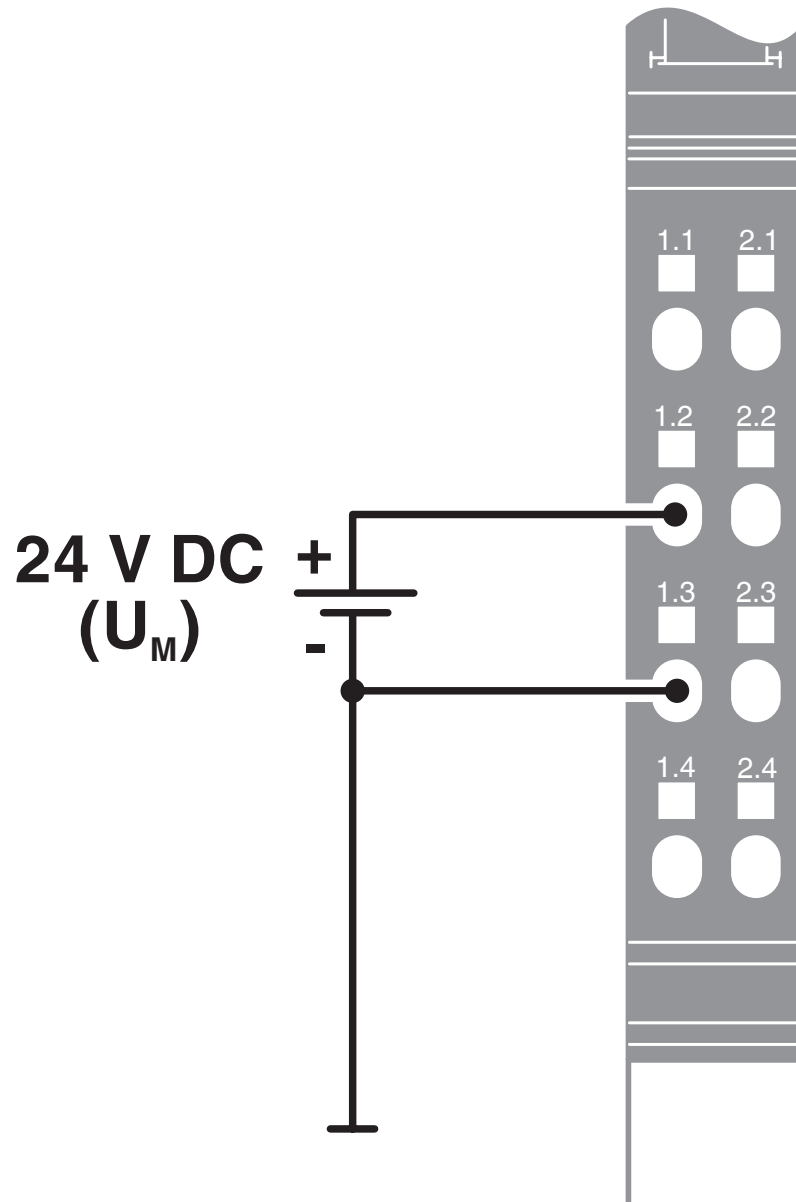


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## Drawings

### Connection diagram



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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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