

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



2861894

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

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

## Your advantages

- Diagnostic and status indicators
- Feed-in or provision of the 24 V segment voltage  $U_{S}$
- Supply of the 24 V main voltage  $U_{M}$
- Main circuit protected by an internal fuse

## Commercial data

Item number	2861894
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI121
GTIN	4017918894597
Weight per piece (including packing)	83.8 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389099
Country of origin	DE

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

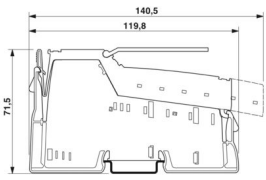


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## Technical data

### 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.
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### Interfaces

#### Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps

#### Supply voltage

Connection method	8-pos. Inline power connector
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### System properties

#### Programming data (LocalbusSlave)

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
Required configuration data	4 Byte

### Product properties

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

## 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
Protective circuit	Polarity protection, surge protection

### Supply

Communications power $U_L$	7.5 V DC
I/O voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Residual ripple	±5 %
Max. current consumption	4 A
Typical current consumption	30 mA

### Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 25 mA

### 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

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## Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %

## Mounting

Mounting type	DIN rail mounting
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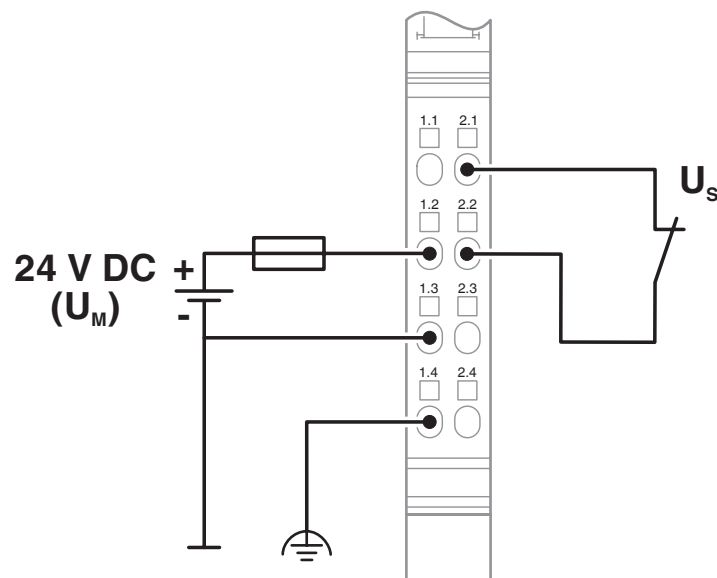
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## Drawings

Dimensional drawing



Connection diagram



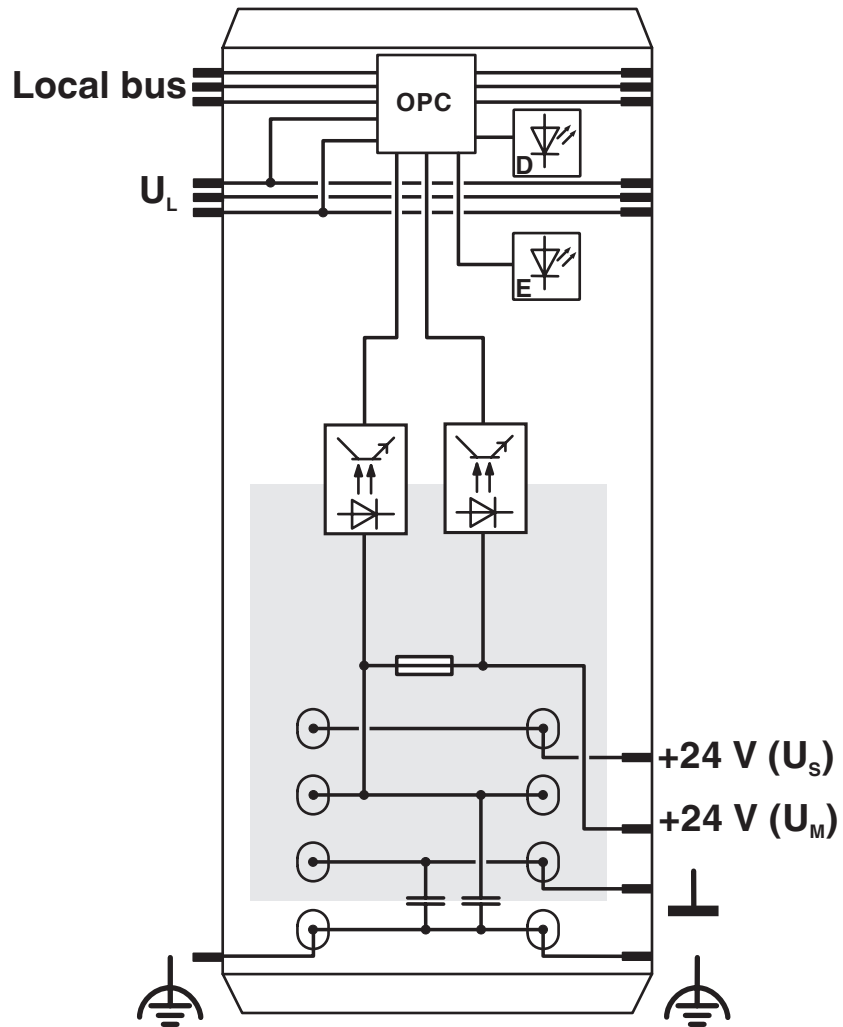
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Block diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	32151602
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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-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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