

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



2861438

<https://www.phoenixcontact.com/au/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	DRI121
Product key	DRI121
GTIN	4017918894368
Weight per piece (including packing)	86.05 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85389099
Country of origin	DE

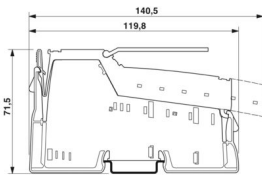
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Technical data

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
Utilization restriction	
CCCex note	Use in potentially explosive areas is not permitted in China.

Interfaces

Inline local bus	
Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps

System properties

Module	
ID code (dec.)	none
ID code (hex)	none
Register length	0 Byte
Required parameter data	0 Byte
Required configuration data	0 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Number of plugs	1
Special properties	24 V DC
	U_M, U_S
	With fuse (U_M)

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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	± 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)

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)

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

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

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

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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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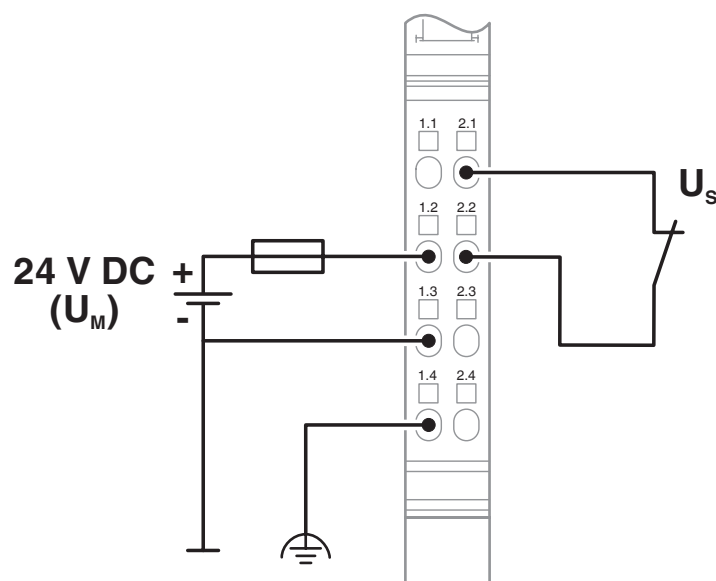


Drawings

Dimensional drawing



Connection diagram



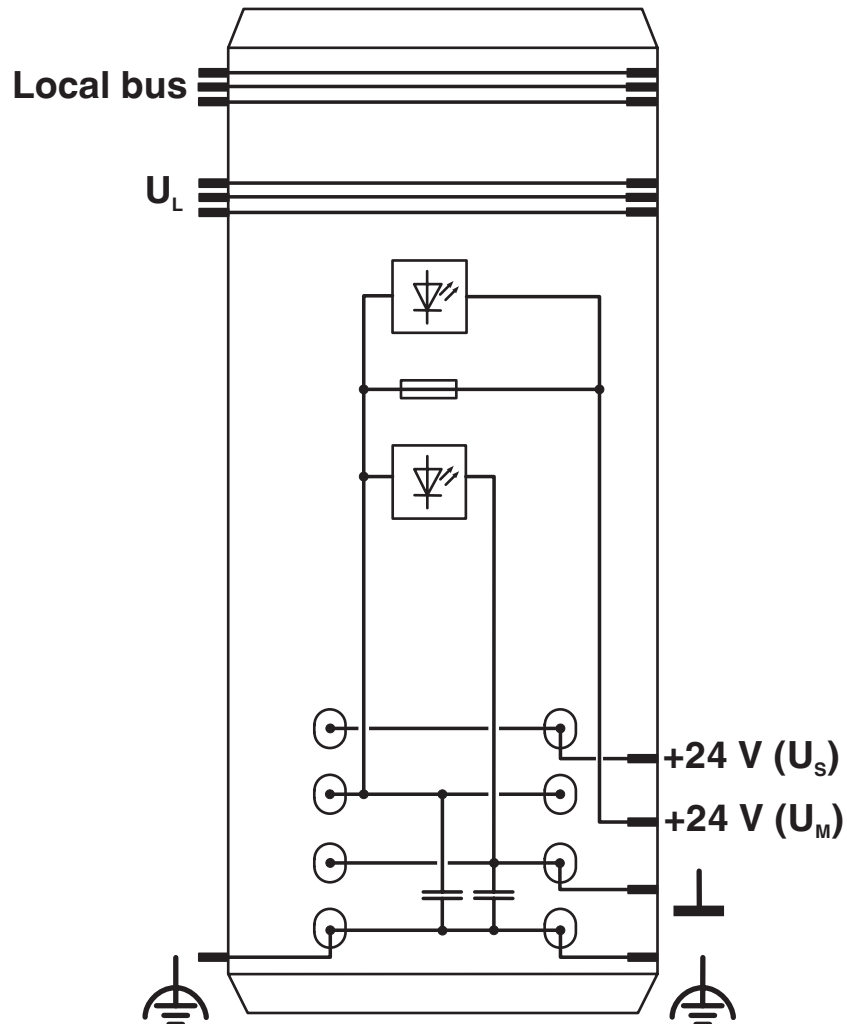
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Block diagram



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Approvals

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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 9.0	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-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2345e6c0-1be5-45e3-bd16-410cd2348c08

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