

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



2863135

<https://www.phoenixcontact.com/us/products/2863135>

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Inline power terminal, complete with accessories (connection plug and labeling field), 24 V DC, for system voltages  $U_M$ ,  $U_S$ ,  $U_L$ ,  $U_{ANA}$

## Product description

The terminal feeds the voltage to an Inline station if there is no bus terminal module, e.g. in the case of ILC 200 UNI. A 24 V DC voltage ( $U_{24V}$ ) is applied to the terminal. This provides the logic voltage ( $U_L$ ) and the supply voltage for the analog terminals ( $U_{ANA}$ ). The terminal also allows the 24 V DC main voltage ( $U_M$ ) and the 24 V DC segment voltage ( $U_S$ ) to be supplied.

## Your advantages

- Supplies all 24 V DC voltages required for the low-level signal
- Diagnostic and status indicators

## Commercial data

Item number	2863135
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI121
GTIN	4017918917265
Weight per piece (including packing)	226.2 g
Weight per piece (excluding packing)	132 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

#### Note on application

Note on application	Only for industrial use
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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

#### Module

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

### Product properties

Product type	I/O component
Product family	Inline
Type	modular
Special properties	24 V DC
	Supply/boost $U_M$ , $U_S$ , $U_L$ , $U_{ANA}$

#### Insulation characteristics

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

Maximum power dissipation for nominal condition	3 W
Test section	7.5 V communications power, 24 V analog supply, 24 V bus terminal module supply/functional ground 500 V AC 50 Hz 1 min
	Communications power ( $U_{BK}$ , $U_L$ , $U_{ANA}$ ) / I/O ( $U_M$ , $U_S$ ) 500 V AC 50 Hz 1 min
	24 V main supply, 24 V segment supply/functional ground 500 V AC 50 Hz 1 min

#### Supply

I/O voltage range	19.2 V ... 30 V
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Residual ripple	±5 %
Max. current consumption	1.25 A DC

Potentials: 24 V supply ( $U_{24V}$ ) for generating  $U_L$  and  $U_{ANA}$

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 1.25 A DC (at nominal voltage; consisting of: 0.75 A DC for the communications power and 0.5 A DC for the analog voltage supply)
	min. 12 mA DC (at nominal voltage)

Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
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Potentials: Supply of analog modules ( $U_{ANA}$ )

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)

Potentials: Main circuit supply ( $U_M$ )

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V ... 30 V DC (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 <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

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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## Classifications

### ECLASS

ECCLASS-13.0	27242610
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### 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	303b7f44-148a-40e1-9b07-68d90490f804

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