

# IB IL 24 PWR IN/R/L-0.8A-PAC - Power module



2693020

<https://www.phoenixcontact.com/us/products/2693020>

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Inline boost terminal for the communications power  $U_L$  of 0.8 A, complete with accessories (connectors and labeling field)

## Product description

The terminal is designed for use within an Inline station. If the maximum load of the bus coupler for the communications power ( $U_L$ ) is reached, this terminal can be used to provide this voltage again. To do this, apply a 24 V DC voltage ( $U_{24V}$ ) to the terminal. The communications power ( $U_L$ ) is generated from this voltage.

## Your advantages

- Supply of the 24 V voltage for generating the communications power ( $U_L$ ) up to 0.8 A

## Commercial data

Item number	2693020
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI123
Catalog page	Page 113 (C-6-2019)
GTIN	4046356447416
Weight per piece (including packing)	90.2 g
Weight per piece (excluding packing)	65 g
Customs tariff number	85389099
Country of origin	DE

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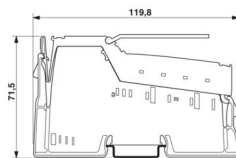


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## Technical data

### 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.

### Interfaces

Inline local bus	
Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps (Can be used in Inline stations with these transmission speeds)

### 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

Type	modular
Product type	I/O component
Product family	Inline
Number of plugs	1
Special properties	24 V DC
	Boost U <sub>L</sub> (0.8 A)

Insulation characteristics	
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

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## Electrical properties

Test section	7.5 V communications power, 24 V analog supply/functional ground 500 V AC 50 Hz 1 min.
	7.5 V logics supply, 24 V analog supply / 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min.
	24 V main supply, 24 V segment supply/functional ground 500 V AC 50 Hz 1 min.
Protective circuit	Surge protection; Input protective diodes (can be destroyed by permanent overload)Pulse loads up to 1500 W are short circuited by the input protective diode.
	Protection against polarity reversal (segment supply/main supply); Serial diode in the lead path of the power supply unit; in the event of an error only a low current flows. In the event of an error, no fuse trips within the external power supply unit.
Fuse	electrical/thermal overload protection, included 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)
Max. current consumption	274 mA (at nominal voltage)

### Potentials

Power consumption	max. 0.6 W (entire device)
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### Potentials: 24 V supply ( $U_{24V}$ ) for generating $U_L$

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. 274 mA DC (at nominal voltage)
	min. 13 mA DC (at nominal voltage)

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

Supply voltage	7.5 V DC (via voltage jumper)
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## 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>

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Conductor cross section, flexible	0.08 mm² ... 1.5 mm²
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)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 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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## Classifications

### ECLASS

ECLASS-11.0	27242610
ECLASS-12.0	27242610
ECLASS-13.0	27242610

### ETIM

ETIM 9.0	EC001600
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
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