

IB IL 120 PWR IN-PAC - Feed-in module



2861454

<https://www.phoenixcontact.com/us/products/2861454>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Inline power terminal block, complete with accessories (connector and labeling field), without fuse, 120 V AC

Product description

The terminal is designed for use within an Inline station. The terminal enables the 120 V AC supply voltage to be fed into a 120 V AC area of the Inline station. An end terminal, which must be used to terminate the 120 V AC area, is supplied as standard with the feed-in terminal.

Your advantages

- Supplying the L phase (120 V AC)

Commercial data

Item number	2861454
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI121
GTIN	4017918907402
Weight per piece (including packing)	183 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85389099
Country of origin	DE

IB IL 120 PWR IN-PAC - Feed-in module

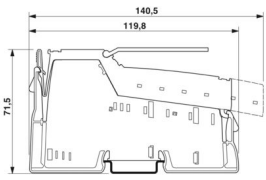


2861454

<https://www.phoenixcontact.com/us/products/2861454>

Technical data

Dimensions

Dimensional drawing	
Width	36.6 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

Material specifications

Color (Housing)	gray (RAL 7042)
-----------------	-----------------

Interfaces

Inline local bus

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

System properties

Programming data (LocalbusSlave)

ID code (dec.)	none
Register length (bus)	0 Byte

Fieldbus data telegram

Required parameter data	0 Byte
Required configuration data	0 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Installation location	Control cabinet
Special properties	120 V AC

IB IL 120 PWR IN-PAC - Feed-in module



2861454

<https://www.phoenixcontact.com/us/products/2861454>

Insulation characteristics

Protection class	I (IEC 61140, EN 61140, VDE 0140-1)
------------------	-------------------------------------

Electrical properties

Maximum power dissipation for nominal condition	0 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) / I/O area 120 V AC 2500 V AC 50 Hz 1 min
	Routine test 1200 V AC 50 Hz 1 min
	I/O area 120 V AC/PE 500 V AC 50 Hz 1 min
	Output / Phase 500 V AC 50 Hz 1 min
Protective circuit	Surge protection

Supply

I/O voltage	120 V AC
I/O voltage range	108 V AC ... 135 V AC (including all tolerances, including ripple)
Residual ripple	± 12 V
Max. current consumption	8 A

Potentials: I/O supply

Supply voltage	120 V AC (via Inline connector)
Supply voltage range	108 V AC ... 135 V AC
Power supply	max. 8 A (nominal value)

Connection data

Connection technology

Connection name	Inline connector
-----------------	------------------

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

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)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %

IB IL 120 PWR IN-PAC - Feed-in module



2861454

<https://www.phoenixcontact.com/us/products/2861454>

Mounting

Mounting type

DIN rail mounting

IB IL 120 PWR IN-PAC - Feed-in module

2861454

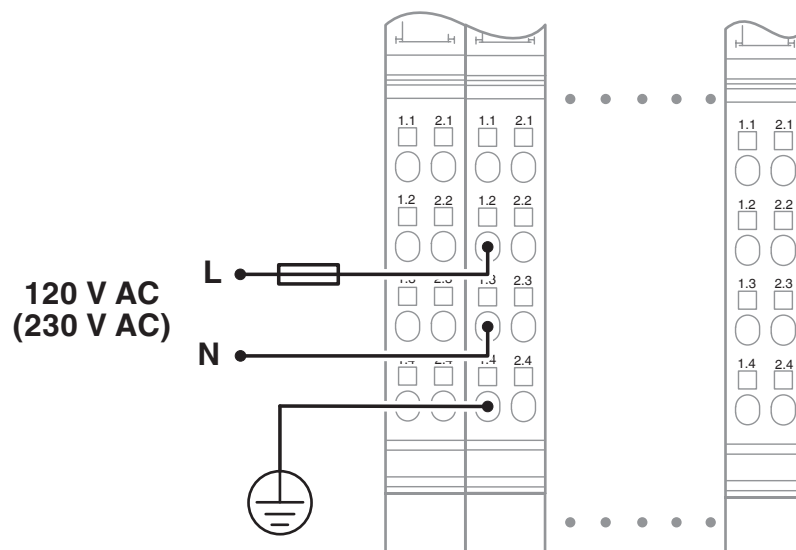
<https://www.phoenixcontact.com/us/products/2861454>

Drawings

Dimensional drawing



Connection diagram



IB IL 120 PWR IN-PAC - Feed-in module



2861454

<https://www.phoenixcontact.com/us/products/2861454>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2861454>



cULus Recognized

Approval ID: E140324

IB IL 120 PWR IN-PAC - Feed-in module



2861454

<https://www.phoenixcontact.com/us/products/2861454>

Classifications

ECLASS

ECLASS-13.0	27242610
ECLASS-15.0	27242610

ETIM

ETIM 10.0	EC001600
-----------	----------

UNSPSC

UNSPSC 21.0	32151600
-------------	----------

2861454

<https://www.phoenixcontact.com/us/products/2861454>

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-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	4baa3d09-6195-4e87-8a00-e467bfb9ed0f

EF3.1 Climate Change

CO2e kg	3.606 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com