

IB IL 230 PWR IN/F-D-PAC - Inline terminal



2878971

<https://www.phoenixcontact.com/us/products/2878971>

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, complete with accessories (connector and labeling field), 230 V AC, with fuse and diagnostics

Your advantages

- Supplying the L phase (230 V AC)
- L phase protected by an internal fuse
- Diagnostic and status indicators

Commercial data

Item number	2878971
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI121
GTIN	4046356083522
Weight per piece (including packing)	206.5 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85389099
Country of origin	DE

IB IL 230 PWR IN/F-D-PAC - Inline terminal

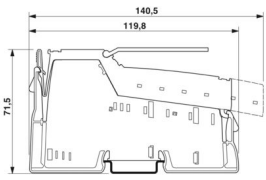


2878971

<https://www.phoenixcontact.com/us/products/2878971>

Technical data

Dimensions

Dimensional drawing	
Width	36.6 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color	gray
-------	------

Interfaces

Inline local bus

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

System properties

Module

ID code (dec.)	190
ID code (hex)	BE
Length code (hex)	C2
Length code (dec)	194
Process data channel	2 bit
Input address area	2 bit
Output address area	0 bit
Register length	2 bit
Required parameter data	1 Byte
Required configuration data	4 Byte

Product properties

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

Insulation characteristics

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

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 logic) / peripheral range 230 V AC 2500 V AC 50 Hz 1 min
	7.5 V supply (bus logic) / peripheral range 230 V AC (routine test) 1200 V AC 50 Hz 1 min
	Peripheral range 230 V AC / PE 500 V AC 50 Hz 1 min
	Output / Phase 500 V AC 50 Hz 1 min

Supply

I/O voltage	230 V AC
I/O voltage range	207 V AC ... 253 V AC (including all tolerances, including ripple)
Residual ripple	± 23 V
Max. current consumption	8 A

Potentials: Communications power (U_L)

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

Potentials: I/O supply

Supply voltage	230 V AC (via Inline connector)
Supply voltage range	207 V AC ... 253 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)	10 % ... 95 % (according to DIN EN 61131-2)

IB IL 230 PWR IN/F-D-PAC - Inline terminal



2878971

<https://www.phoenixcontact.com/us/products/2878971>

Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 2000 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
---------------	-------------------

IB IL 230 PWR IN/F-D-PAC - Inline terminal



2878971

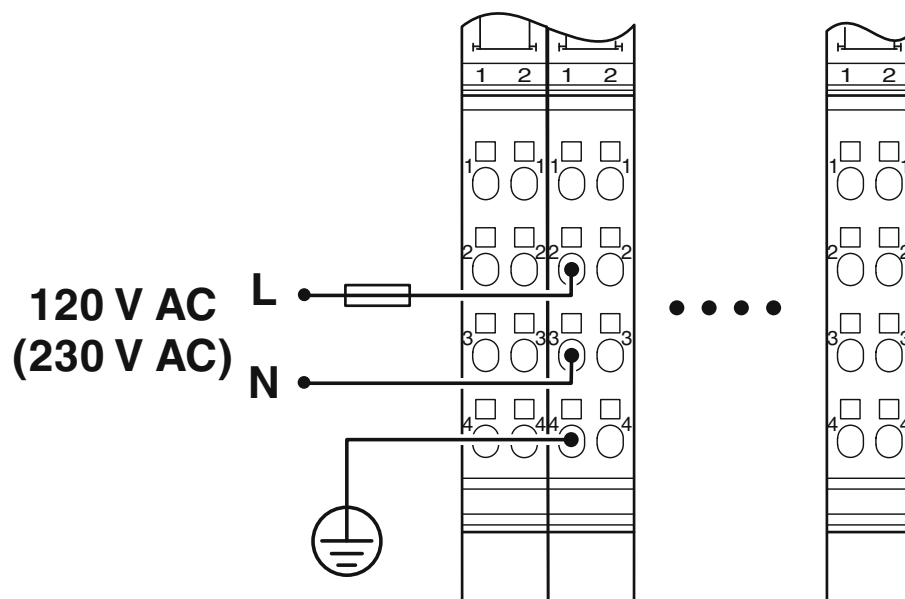
<https://www.phoenixcontact.com/us/products/2878971>

Drawings

Dimensional drawing



Connection diagram



IB IL 230 PWR IN/F-D-PAC - Inline terminal



2878971

<https://www.phoenixcontact.com/us/products/2878971>

Classifications

UNSPSC

UNSPSC 21.0	32151602
-------------	----------

2878971

<https://www.phoenixcontact.com/us/products/2878971>

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)
-------------------------------------	----------------------

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