

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}

The figure shows the version IB IL 24 PWR IN/R-PAC

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 logics 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

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)
Power supply	max. 2 A DC

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)
Power supply	max. 0.5 A DC

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)
Power supply	max. 8 A (sum of U_M + U_S)

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)
Power supply	max. 8 A (sum of U_M + U_S)

Connection data

Connection technology

Connection name	Inline connector
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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

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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

ECLASS-13.0

27242610

ETIM

ETIM 9.0

EC001600

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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