

Power module - IB IL 24 PWR IN/PS-PAC



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 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	O1 - Automatisierungssys.
Product Key	DRI121
Catalog Page	Page 92 (AX-2005)
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

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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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

Type	modular
Product type	I/O component

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, 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

Communications power U_L	7.5 V DC $\pm 5\%$
I/O voltage range	19.2 V ... 30 V
Residual ripple	$\pm 5\%$
Max. current consumption	1.25 A DC

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
	max. 2 A DC (observe derating)

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)
	max. 0.5 A DC (observe derating)

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)
	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)
	max. 8 A (sum of $U_M + U_S$)

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	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

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 % (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

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out of a vehicle into an enclosed room.)

Mounting

Mounting type

DIN rail mounting

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Classifications

ECLASS

ECLASS-9.0	27242610
ECLASS-10.0.1	27242610
ECLASS-11.0	27242610

ETIM

ETIM 8.0	EC001600
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UNSPSC

UNSPSC 21.0	32151600
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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