

FB-PS-BASE/EX - Power distributor



2316145

<https://www.phoenixcontact.com/us/products/2316145>

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Base for fieldbus power supply plugs. Provides redundancy when 2 plugs are installed. Redundancy is maintained across multiple bases via internal power buses. Additional internal bus provides remote indication.

Product description

Modular, single-channel, redundant fieldbus power supply base with terminal block host connectors

Commercial data

Item number	2316145
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN11
Product key	DNC1Z1
GTIN	4046356619974
Weight per piece (including packing)	339.5 g
Weight per piece (excluding packing)	329.1 g
Customs tariff number	85389099
Country of origin	US

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Technical data

Notes

Utilization restriction

CCCex note

Use in potentially explosive areas is not permitted in China.

Product properties

Product type

Device coupler

Output data

Signal

Output name

Alarm

Connection data

Supply

Conductor cross-section, flexible

0.20 mm² ... 2.50 mm²

Conductor cross-section, rigid

0.20 mm² ... 2.50 mm²

Conductor cross-section AWG

30 ... 12

Ex data

Safety data

Input voltage U_i

30.5 V DC (input power)

Input current I_i

850 mA (input power)

Inductance L_i

17.6 mH (trunk and host)

Max. output voltage U_o

30 V DC (trunk and host)

Interfaces

Data: Discrete wiring

Number of connections

4

Connection method

Terminal block

Tightening torque

0.4 Nm ... 0.6 Nm

Dimensions

Width

36 mm

Height

202.5 mm

Depth

61.5 mm

Mechanical tests

Corrosive resistance in accordance with ANSI-ISA 71.04-1985 - Severity level G3

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Environmental and real-life conditions

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Ambient conditions

Degree of protection	IP20 (when D-FB-PS is installed)
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (non-condensing)
Permissible humidity (operation)	95 % (non-condensing)

Approvals

ATEX

Identification	II 3 G Ex ec nC IIC T4 Gc
Certificate	Sira 11ATEX4216X

IECEX

Identification	Ex ec nC IIC T4 Gc
Certificate	IECEX SIR 11.0097X

UKCA Ex (UKEX)

Identification	II 3G Ex ec nC IIC T4 Gc
Certificate	PxCAI22UKEx2316132X

Ex data

CSA, USA/Canada	Class I, Div. 2, Groups A, B, C, D; Ex nA nC IIC T4 Class I, Zone 2, AEx nA nC IIC T4
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Standards and regulations

Standards

Standards/regulations	NE21
	EN 61326

Standards/regulations

Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
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Standards/regulations

Standards/regulations	Dry heat in acc. with IEC 61131-2
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Standards/regulations

Standards/regulations	Damp heat in acc. with IEC 61131-2
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Standards/regulations

Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
Standards/regulations	IEC 61158-2

Mounting

Mounting type	DIN rail mounting
Mounting position	on horizontal DIN rail NS 35 in acc. with EN 60715

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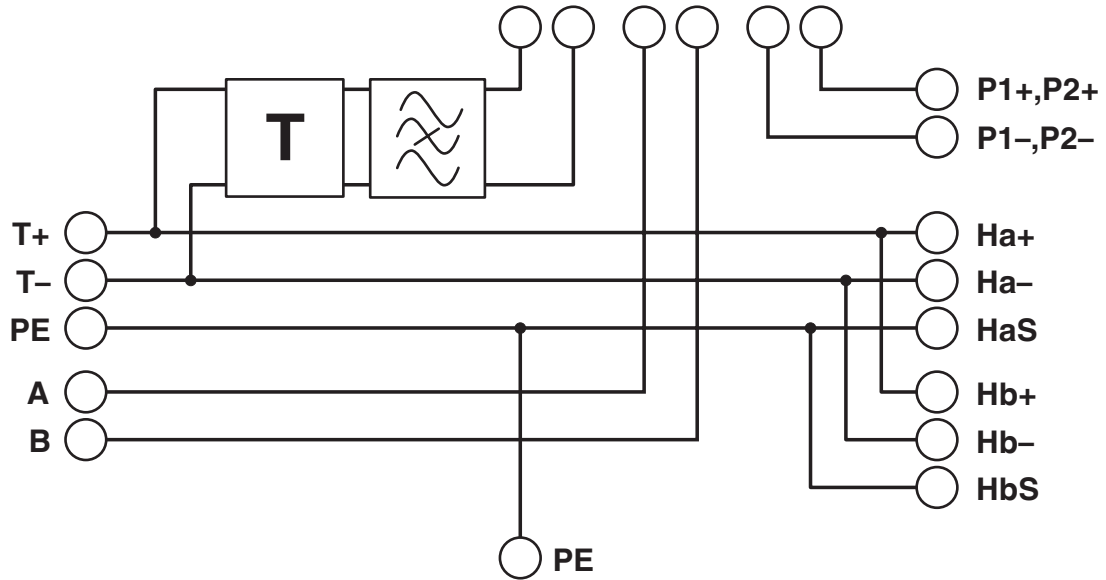


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Drawings

Block diagram



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Classifications

UNSPSC

UNSPSC 21.0	32151602
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Environmental product compliance

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.)	No substance above 0.1 wt%
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