

# 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

## 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 mm<sup>2</sup> ... 2.50 mm<sup>2</sup>

##### Conductor cross-section, rigid

0.20 mm<sup>2</sup> ... 2.50 mm<sup>2</sup>

##### Conductor cross-section AWG

30 ... 12

### Ex data

#### Safety data

##### Input voltage U<sub>i</sub>

30.5 V DC (input power)

##### Input current I<sub>i</sub>

850 mA (input power)

##### Inductance L<sub>i</sub>

17.6 mH (trunk and host)

##### Max. output voltage U<sub>o</sub>

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

## 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

# FB-PS-BASE/EX - Power distributor

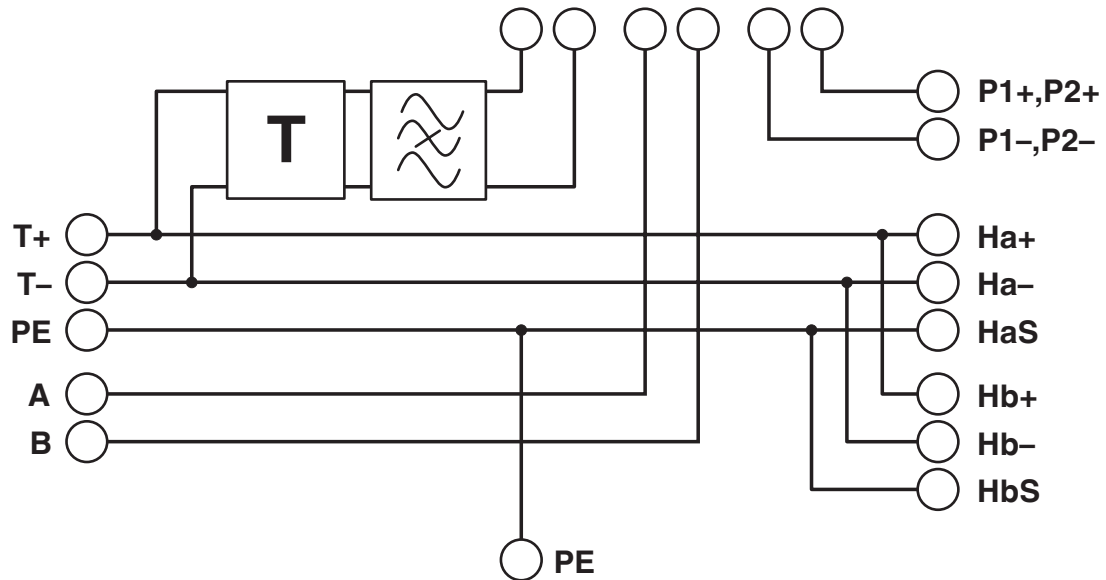


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## Drawings

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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