

# FB-PS-MB-25DSUB/EX - Power supply unit



2316146

<https://www.phoenixcontact.com/us/products/2316146>

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Four-channel, redundant fieldbus power supply base. Host connection is a D-SUB 25 socket connector.



## Product description

Universal four-channel, redundant fieldbus power supply base with D-SUB 25 host connector.

## Your advantages

- Redundancy
- Built-in relay diagnostics

## Commercial data

Item number	2316146
Packing unit	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4055626128351
Weight per piece (including packing)	1,078.6 g
Weight per piece (excluding packing)	1,131 g
Customs tariff number	85366990
Country of origin	US

## Technical data

### Notes

#### Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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### Product properties

Product type	Device coupler
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### Output data

#### Signal

Output name	Alarm
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### 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

Inductance Li	17.8 mH (trunk and host)
Max. output voltage U <sub>o</sub>	30 V DC (trunk and host)

### Interfaces

#### Data: Invensys DCS cabling system

Number of connections	1
Connection method	D-SUB-25 female connector

### Dimensions

Width	180 mm
Height	77 mm
Depth	180 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
Ambient temperature (operation)	-40 °C ... 70 °C

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Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (non-condensing)
Permissible humidity (operation)	95 % (non-condensing)

## Approvals

### Conformity/Approvals

Conformance	CE-compliant
Fieldbus Foundation	FF-831
EN	EN 61326
NE	NAMUR NE 21

### Ex data

ATEX	Sira 11ATEX4216X; II 3 G Ex nA nC IIC T4 Gc
IECEX	IECEX SIR 11.0097X; Ex nA nC IIC T4 Gc
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

## 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

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## Classifications

### ECLASS

ECLASS-13.0

27242692

### ETIM

ETIM 9.0

EC002584

### UNSPSC

UNSPSC 21.0

32151600

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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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