

# FB-PS-MB-Y/EX - Power supply unit



2316148

<https://www.phoenixcontact.com/us/products/2316148>

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Four-channel redundant fieldbus power supply base. Host connections are for two Yokogawa AKB336 20-pin cables.



## Product description

Yokogawa four-channel, redundant fieldbus power supply base with host connectors for two AKB336 Yokogawa 20-pin cables.

## Your advantages

- Built-in relay diagnostics
- Redundancy

## Commercial data

Item number	2316148
Packing unit	25 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4055626128368
Weight per piece (including packing)	1,136.8 g
Weight per piece (excluding packing)	1,136.8 g
Customs tariff number	85366990
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.
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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: Yokogawa DCS cabling system

Number of connections	2
Connection method	AKB336 cable
Tightening torque	0.4 Nm ... 0.5 Nm (AKB336 cable)

### 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
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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

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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

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
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