

FB-PS-MB-I/EX - Power supply unit



2316149

<https://www.phoenixcontact.com/us/products/2316149>

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Four-channel, redundant fieldbus power supply base. Host connection is for an Invensys® D-SUB 25 cable.



Product description

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

Your advantages

- Built-in relay diagnostics
- Redundancy

Commercial data

Item number	2316149
Packing unit	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4055626128375
Weight per piece (including packing)	1,135 g
Weight per piece (excluding packing)	1,135 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.

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

Inductance Li

17.8 mH (trunk and host)

Max. output voltage U_o

30 V DC (trunk and host)

Interfaces

Data: Generic host system cabling

Number of connections

1

Connection method

37-pin to 25-pin Invensys® D-SUB 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

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
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ETIM

ETIM 9.0	EC002584
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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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