

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 |

Technical data

Notes

Utilization restriction

| | |
|------------|---|
| CCCex note | Use in potentially explosive areas is not permitted in China. |
|------------|---|

Product properties

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|--------------|----------------|
| Product type | Device coupler |
|--------------|----------------|

Output data

Signal

| | |
|-------------|-------|
| Output name | Alarm |
|-------------|-------|

Connection data

Supply

| | |
|-----------------------------------|---|
| Conductor cross-section, flexible | 0.20 mm ² ... 2.50 mm ² |
| Conductor cross-section, rigid | 0.20 mm ² ... 2.50 mm ² |
| 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

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

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

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

Standards/regulations

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

Standards/regulations

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

Standards/regulations

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|-----------------------|--|
| 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 | 6(c), 7(a), 7(c)-I |

China RoHS

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|--|---|
| 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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