

## Power distributor - FB-PS-BASE/EX - 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 619974
GTIN	4046356619974
Weight per Piece (excluding packing)	329.100 g
Custom tariff number	85389099
Country of origin	United States
Note	Made to Order (non-returnable)

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	36 mm
Height	202.5 mm
Depth	61.5 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	95 % (non-condensing)

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## Technical data

### Ambient conditions

Degree of protection	IP20 (when D-FB-PS is installed)
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### General

Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	329.1 g
Conformance	CE-compliant
Fieldbus Foundation	FF-831

### Power supply

Conductor cross section flexible max.	2.50 mm <sup>2</sup>
Conductor cross section flexible min.	0.20 mm <sup>2</sup>
Conductor cross section solid max.	2.50 mm <sup>2</sup>
Conductor cross section solid min.	0.20 mm <sup>2</sup>
Conductor cross section AWG max.	12
Conductor cross section AWG min.	30

### Interfaces

Interface 1	Discrete wiring
Interface	Host system
Number of connections	4
Connection method	Terminal block
Torque	0.4 Nm ... 0.6 Nm
Inductance L <sub>i</sub>	17.6 mH (trunk and host)
Max. output voltage U <sub>o</sub>	30 V DC (trunk and host)

### Digital outputs

Output name	Alarm
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### Standards and Regulations

Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Designation	Standards/regulations
Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
Designation	Standards/regulations
Standards/regulations	Dry heat in acc. with IEC 61131-2
Designation	Standards/regulations
Standards/regulations	Damp heat in acc. with IEC 61131-2
Designation	Standards/regulations
Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
	IEC 61158-2
	NE21
	EN 61326
Conformance	CE-compliant
Fieldbus Foundation	FF-831

## Power distributor - FB-PS-BASE/EX - 2316145

### Technical data

#### Standards and Regulations

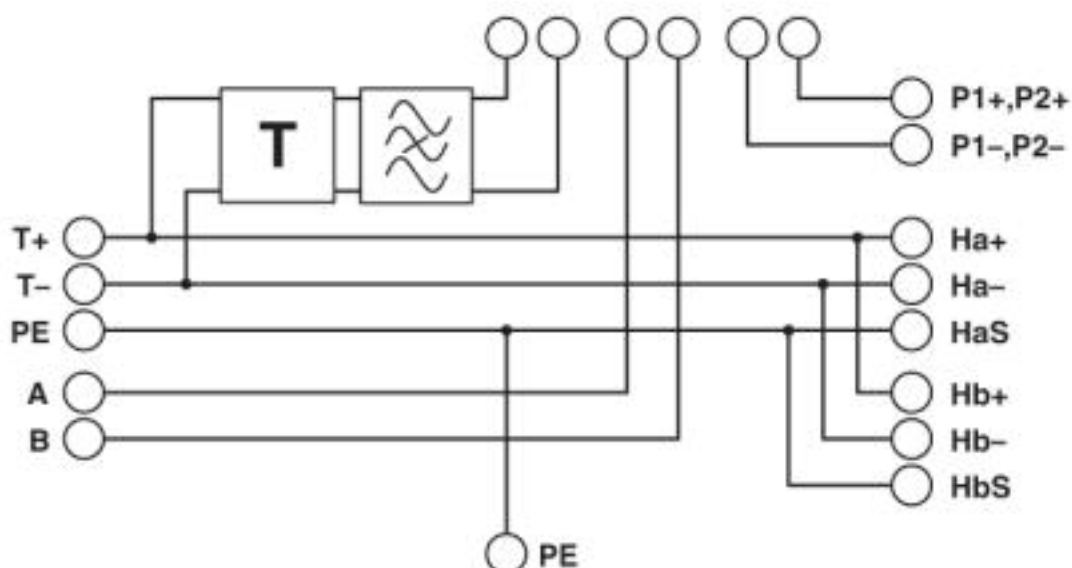
ATEX	Sira 11ATEX4216X; II 3 G Ex nA nC IIC T4 Gc
IECEX	IECEX SIR 11.0097X; Ex nA nC IIC T4 Gc
CSA, USA/Canada	Class I, Div. 2, Groups A, B, C, D; Ex nA nC IIC T4 Class I, Zone 2, AEx nA nC IIC T4

#### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

Block diagram



### Classifications

eCl@ss

eCl@ss 10.0.1	27242692
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27242600
eCl@ss 7.0	27242611
eCl@ss 8.0	27242692
eCl@ss 9.0	27242692

## Power distributor - FB-PS-BASE/EX - 2316145

### Classifications

#### ETIM

ETIM 3.0	EC000310
ETIM 4.0	EC000599
ETIM 5.0	EC001598
ETIM 6.0	EC002584
ETIM 7.0	EC002584

#### UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43201553
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

IECEX / ATEX / CSA / CSAus / cCSAus

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#### Approval details

EAC		RU C- DE.A*30.B.01082
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### Accessories

Accessories

Cover

## Power distributor - FB-PS-BASE/EX - 2316145

### Accessories

Cover plate - D-FB-PS - 2316226

Cover



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### PCB connector

PCB connector - ZEC 1,5/ 4-LPV-5,0 C2,4 BK - 1793260

PCB connector, nominal current: 10 A, rated voltage (III/2): 320 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, mounting: Direct plug-in method



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PCB connector - ZEC 1,0/ 6-LPV-3,5 C1 - 1915699

PCB connector, nominal current: 8 A, rated voltage (III/2): 200 V, nominal cross section: 1 mm<sup>2</sup>, number of positions: 6, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Direct plug-in method



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### Terminal marking

Marker for terminal blocks - UC-TM 16 - 0819217

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32



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Marker for terminal blocks - UC-TMF 16 - 0819262

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32



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### Spare parts

## Power distributor - FB-PS-BASE/EX - 2316145

### Accessories

Power module - FB-PS-PLUG-24DC/28DC/0.5/EX - 2316132



Power supply plug for fieldbus system in hazardous locations. Provides 500 mA @ 28 V DC to couplers along the trunk.