

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




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 STK
GTIN	 4 046356 619974
GTIN	4046356619974
Weight per Piece (excluding packing)	332.000 g
Custom tariff number	85389099
Country of origin	United States

Technical data

Note

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

Dimensions

Width	36 mm
Height	202.5 mm
Depth	61.5 mm

Ambient conditions

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

Technical data

Ambient conditions

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

General

Degree of protection	IP20 (when D-FB-PS is installed)
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715

Safety data

Input voltage U_i	30.5 V DC (input power)
Input current I_i	850 mA (input power)
Max. output voltage U_o	30 V DC (trunk and host)
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

Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Standards/regulations	NE21
	EN 61326
Conformance	CE-compliant
Fieldbus Foundation	FF-831
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
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715

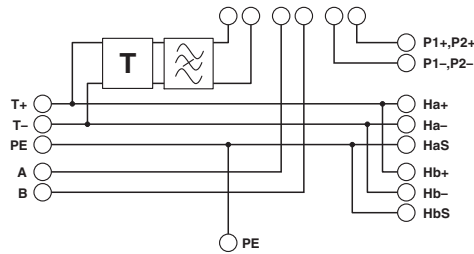
Environmental Product Compliance

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

Drawings

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

Block diagram



Classifications

eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242692
eCl@ss 9.0	27242692

ETIM

ETIM 3.0	EC000310
ETIM 4.0	EC000599
ETIM 5.0	EC001598
ETIM 6.0	EC002583

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43201553

Approvals

Approvals

Approvals

EAC


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

Approvals

Ex Approvals

IECEX / ATEX / CSA / CSAus / cCSAus

Approval details

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

Accessories

Accessories

Cover

Cover plate - D-FB-PS - 2316226

Cover



PCB connector

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

Printed circuit board connector, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, mounting: Direct plug-in method



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

Printed circuit board connector, nominal current: 8 A, rated voltage (III/2): 200 V, number of positions: 6, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Direct plug-in method



Terminal marking

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

Accessories

Marker for terminal blocks - UC-TM 16 - 0819217



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

Marker for terminal blocks - UC-TMF 16 - 0819262



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

Spare parts

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.