

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



2316132

<https://www.phoenixcontact.com/us/products/2316132>

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 documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	2316132
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4046356619981
Weight per piece (including packing)	250 g
Weight per piece (excluding packing)	218 g
Customs tariff number	85044083
Country of origin	US

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



2316132

<https://www.phoenixcontact.com/us/products/2316132>

Technical data

Notes

Utilization restriction

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

Input data

Input voltage	24 V DC
Nominal input voltage range	18.5 V DC ... 30.5 V DC
Input voltage range DC	18.5 V DC ... 30.5 V DC
Short-term input voltage	24 V DC

Output data

Output voltage range	28 V DC ... 30 V DC (on the trunk)
Nominal output current (I_N)	500 mA
Output power	13.5 W
Power dissipation	4 W (typical)
Connection in parallel	yes, for redundancy
Connection in series	no

Connection data

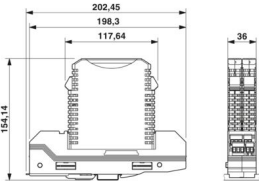
Output

Connection method	Plug-in connection
-------------------	--------------------

Product properties

Product type	Power supply
--------------	--------------

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	117.6 mm
Depth	115 mm

Mounting

Assembly note	Plug-in connections may only be operated only when there is no load/voltage.
---------------	--

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (non-condensing)

Standards and regulations

Standards

Standards/regulations	NE21
	EN 61326
Standards/specifications	Ring wave noise immunity in acc. with IEC 61000-4-12
Standards/specifications	Dry heat in acc. with IEC 61131-2
Standards/specifications	Damp heat in acc. with IEC 61131-2
Standards/specifications	Shock and vibration in acc. with EN 61131-2 and EN 50178
Standards/specifications	IEC 61158-2

Approvals

Conformity/Approvals

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

Ex data

Safety data

Input voltage U_i	30.5 V DC (input power)
Input current I_i	850 mA (input power)
Inductance L_i	17.6 mH (trunk and host)
Max. output voltage U_o	30 V DC (trunk and host)

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

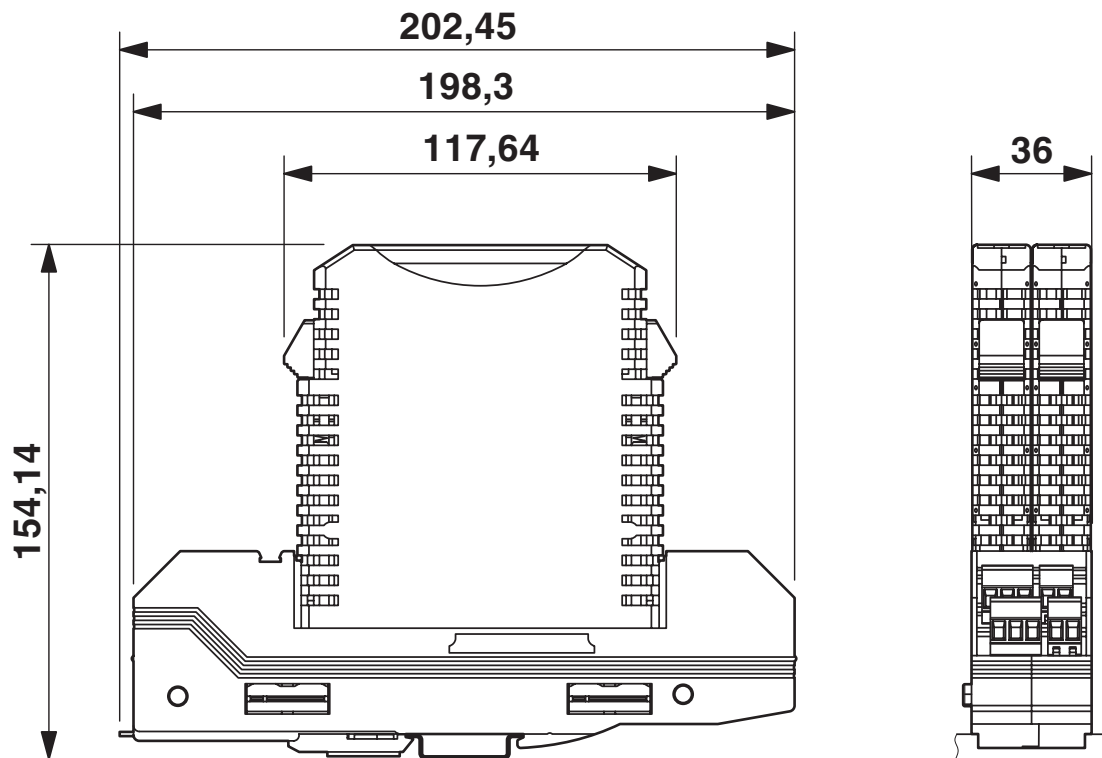
2316132

<https://www.phoenixcontact.com/us/products/2316132>



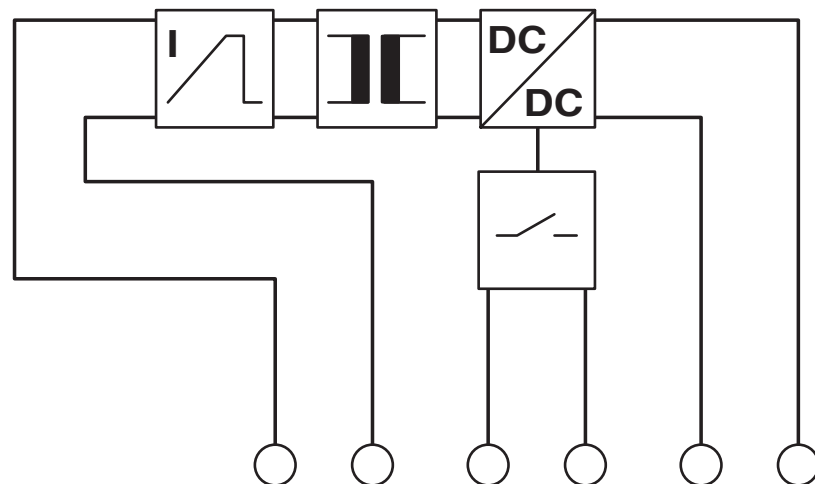
Drawings

Dimensional drawing



Power supply base and plug

Block diagram



Connection diagram: FB-PS-PLUG-24DC/28DC/0.5/EX

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



2316132

<https://www.phoenixcontact.com/us/products/2316132>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2316132>



EAC

Approval ID: RU C-DE.A*30.B.01082



IECEx

Approval ID: IECEx SIR 11.0097X



CSA

Approval ID: 2431654



CSAus

Approval ID: 2431654



ATEX

Approval ID: Sira 11ATEX4216X



CCC

Approval ID: 2022122303115621

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



2316132

<https://www.phoenixcontact.com/us/products/2316132>

Classifications

ECLASS

ECLASS-13.0	27242611
-------------	----------

ETIM

ETIM 9.0	EC002583
----------	----------

UNSPSC

UNSPSC 21.0	32151600
-------------	----------

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)
SCIP	ce0d6386-8850-4746-8134-f007870932ad