

# FB-PS-25/0.36A - Power supply



2316035

<https://www.phoenixcontact.com/us/products/2316035>

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Isolated Foundation Fieldbus Power Supply with integrated Terminator. Multiple single channel modules can be installed using Phoenix Contacts TBUS connector system reducing wiring and installation costs.

## Commercial data

Item number	2316035
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN11
Product key	DNC1Z1
GTIN	4046356298698
Weight per piece (including packing)	229.6 g
Weight per piece (excluding packing)	229.6 g
Customs tariff number	85044030
Country of origin	SG

## Technical data

### Input data

Input voltage	24 V DC
Nominal input voltage range	19.2 V DC ... 35 V DC
Input voltage range DC	19.2 V DC ... 35 V DC

### Output data

Output voltage range	25 V DC ... 27 V DC (on the trunk)
Nominal output current ( $I_N$ )	360 mA
Output power	13.5 W
Power dissipation	2 W (typical)

### Connection data

#### Input

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	12

#### Output

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	12

### Signaling

#### Signal output: Power OK

Status display	LED (green)
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#### Signal output: OVERLOAD

Status display	LED (red)
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### Electrical properties

Electrical isolation	250 V AC (IEC 62103)
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### Product properties

Product type	Power supply
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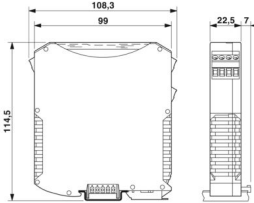
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## Insulation characteristics

Degree of pollution	2
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## Dimensions

Dimensional drawing	
Width	22.5 mm
Height	114.5 mm
Depth	108.3 mm

## Mounting

Mounting position	horizontal DIN rail NS 35, EN 60715
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (non-condensing)
Shock	15g, 11 ms
Vibration (operation)	10 Hz ... 150 Hz, 1g

## Standards and regulations

Electrical isolation	250 V AC (IEC 62103)
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### Standards

Standards/regulations	IEC 60529, IEC 61158-2
	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6
Standards/specifications	IEC 60529, IEC 61158-2
	NAMUR NE 21
	EN 61326, EN 60068-2-27, EN 60068-2-6

## Approvals

### Conformity/Approvals

ATEX	Ⓔ II 3 G Ex nA II T4 X
IEC	IEC 60529, IEC 61158-2
UL, USA / Canada	Class I, Zone 2, Group IIC T4
	Class I, Div. 2, Groups A, B, C, D, T4

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Fieldbus Foundation	FF-831
EN	EN 61326, EN 60068-2-27, EN 60068-2-6
NE	NAMUR NE 21

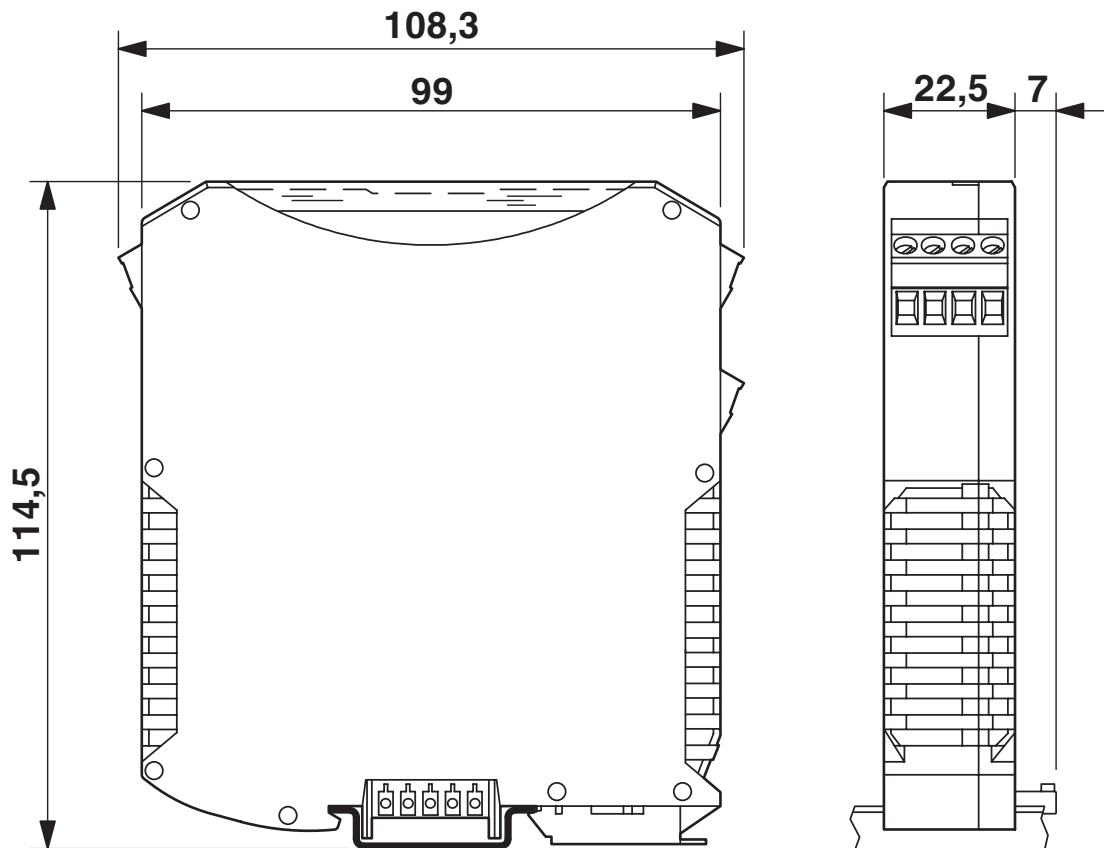
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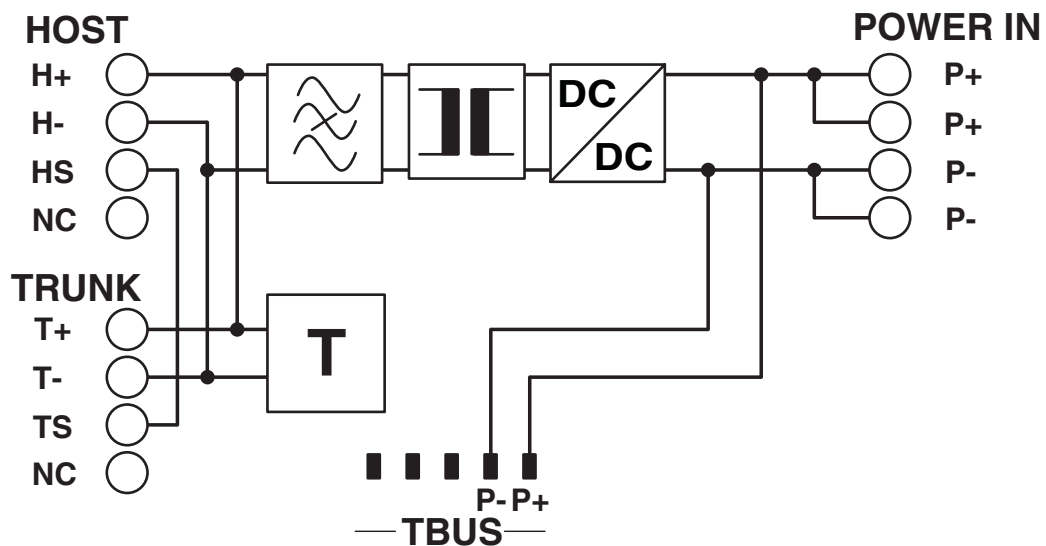
## Drawings

Dimensional drawing



FB-PS-25/0.36A

Block diagram



Connection diagram: FB-PS-25/0.36A

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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