

AXL P FBPS BASE - Base module



2316393

<https://www.phoenixcontact.com/in/products/2316393>

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Axioline P base for PROFIBUS PA power supply plugs. Provides Fieldbus power supply redundancy when two plugs are installed.

Product description

The AXL P FBPS BASE is a modular, single-channel, PROFIBUS PA power supply base with PROFIBUS PA trunk and power connectors.

Commercial data

Item number	2316393
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRI
Product key	DRIP53
Catalog page	Page 99 (C-6-2019)
GTIN	4055626368375
Weight per piece (including packing)	198.9 g
Weight per piece (excluding packing)	198.2 g
Customs tariff number	85366990
Country of origin	US

Technical data

Notes

Utilization restriction

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

CCCex note	Use in potentially explosive areas is not permitted in China.
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Connection data

Supply

Conductor cross section, flexible	0.20 mm ² ... 1.50 mm ²
Conductor cross section, rigid	0.20 mm ² ... 1.50 mm ²
Conductor cross section AWG	24 ... 16

Interfaces

Data: Axioline P local bus

Connection method	Bus base module
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Data: PROFIBUS PA

Connection method	Push-in / plug connection
Number of bus devices	256
Termination resistor	100 Ω

Electrical properties

Maximum power dissipation for nominal condition	17.58 W
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Supply

Supply voltage range	18.5 V DC ... 30.5 V DC
Typical current consumption	750 mA ()
Max. current consumption	950 mA (18.5 V DC, 500 mA load)

Product properties

Product type	Power supply
Product family	Axioline P

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Dimensions

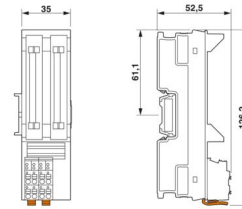
AXL P FBPS BASE - Base module



2316393

<https://www.phoenixcontact.com/in/products/2316393>

Dimensional drawing



Width	35 mm
Height	130 mm
Depth	125 mm

Mounting

Mounting type	DIN rail mounting
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Material specifications

Color	gray
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C (Mounting position: panel mounting on horizontal DIN rail)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	2000 m (above sea level)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 %
Shock	15g
Vibration (operation)	2g

Standards and regulations

Standards/regulations

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

Standards/regulations	IEC 61158-2
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Approvals

ATEX

Identification	Ex II 3 G Ex ec IIC T4 Gc
Certificate	IBExU 18ATEXB018 X

IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX IBE 18.0023X

AXL P FBPS BASE - Base module



2316393

<https://www.phoenixcontact.com/in/products/2316393>

UKCA Ex (UKEX)	
Identification	II 3G Ex ec IIC T4 Gc X
Certificate	PxCAI22UKEx2316390X

Ex data	
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D T4 Class I, Zone 2, IIC T4

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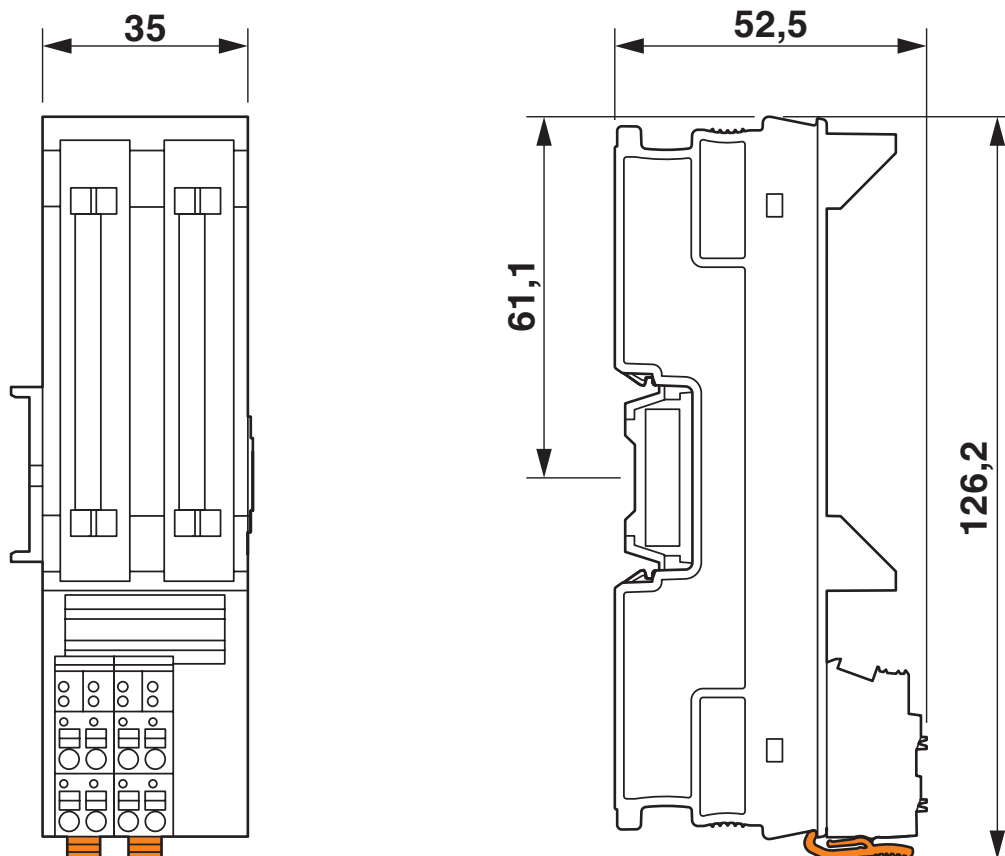
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Drawings

Dimensional drawing



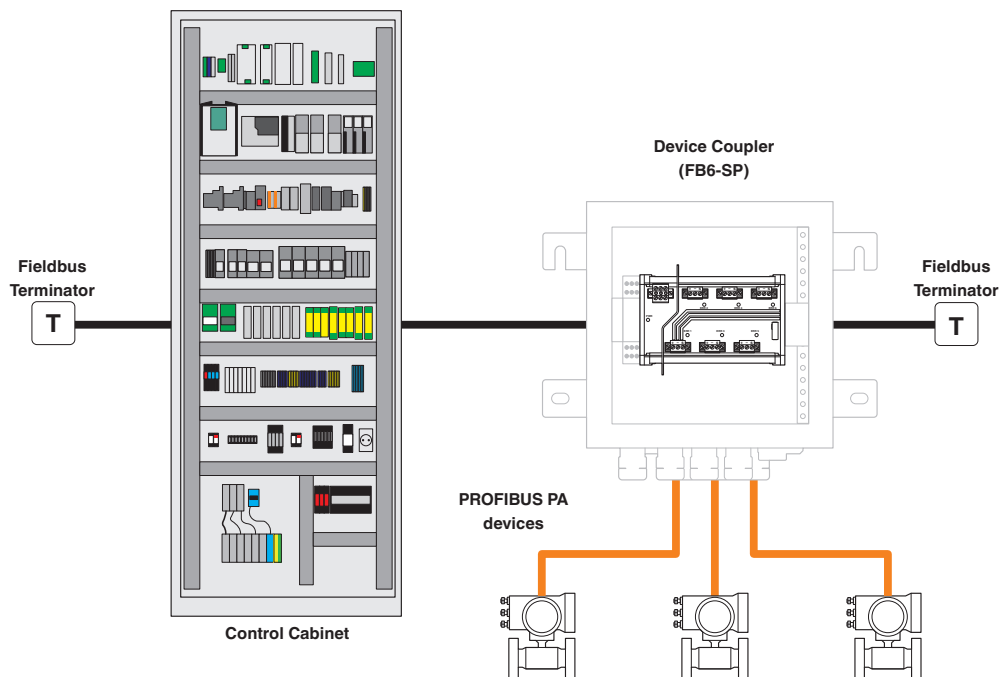
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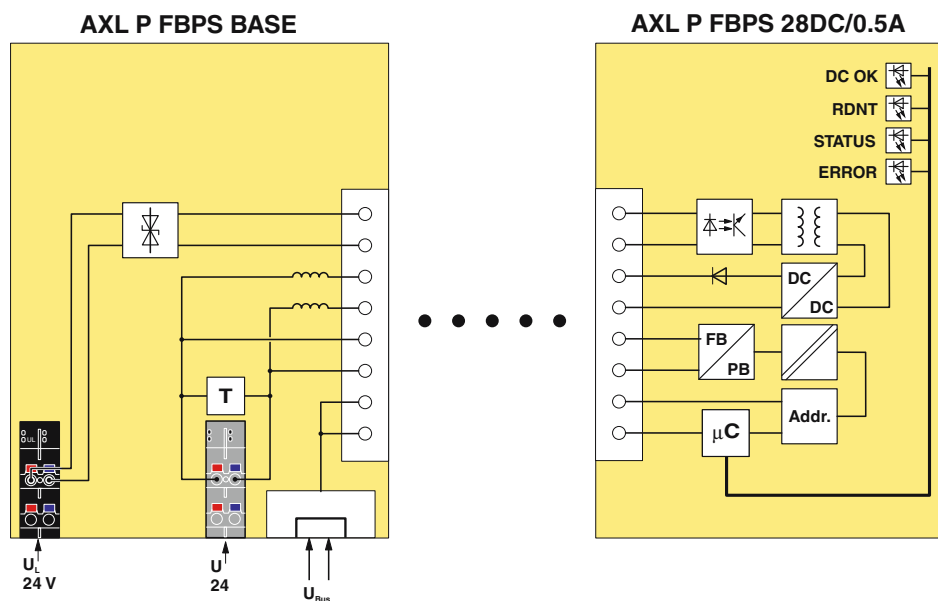
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Application drawing



Block diagram



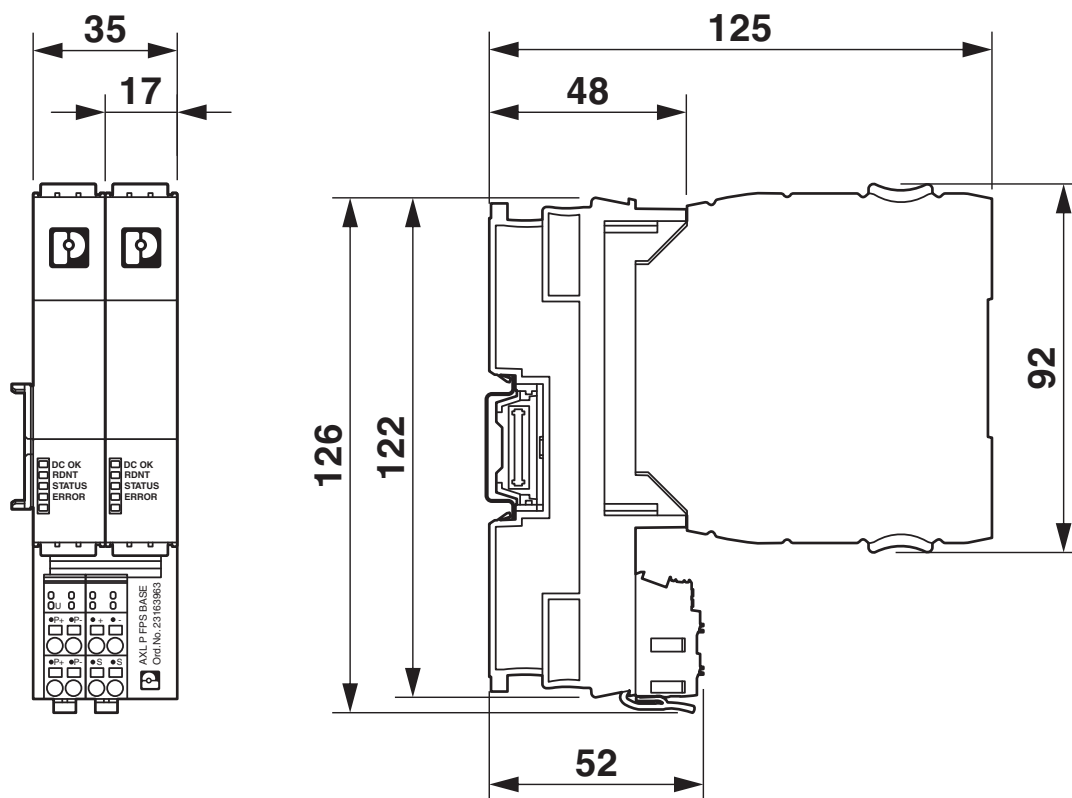
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Dimensional drawing



Dimensions with power supply plugs installed in base

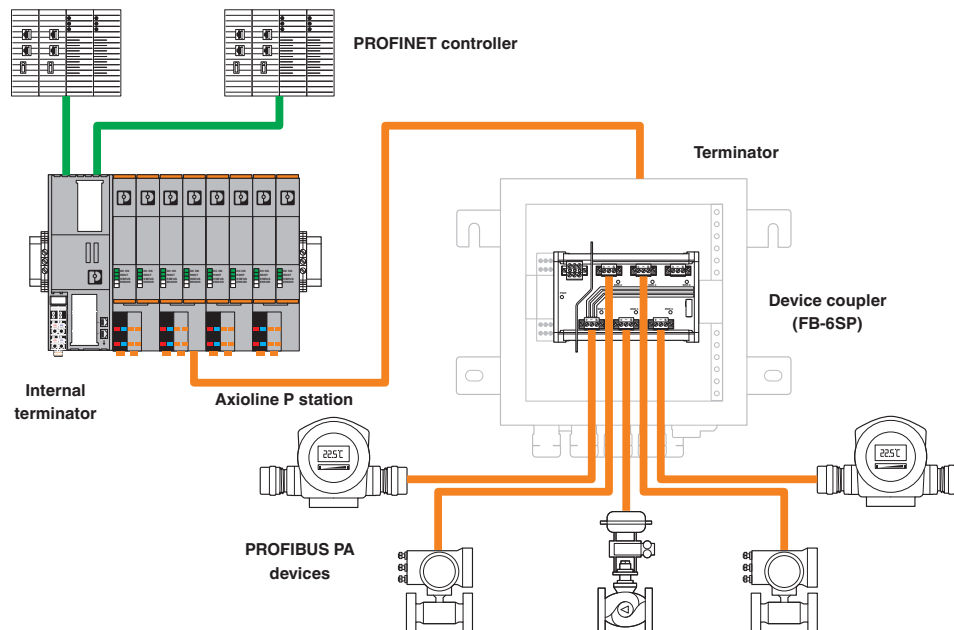
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Application drawing



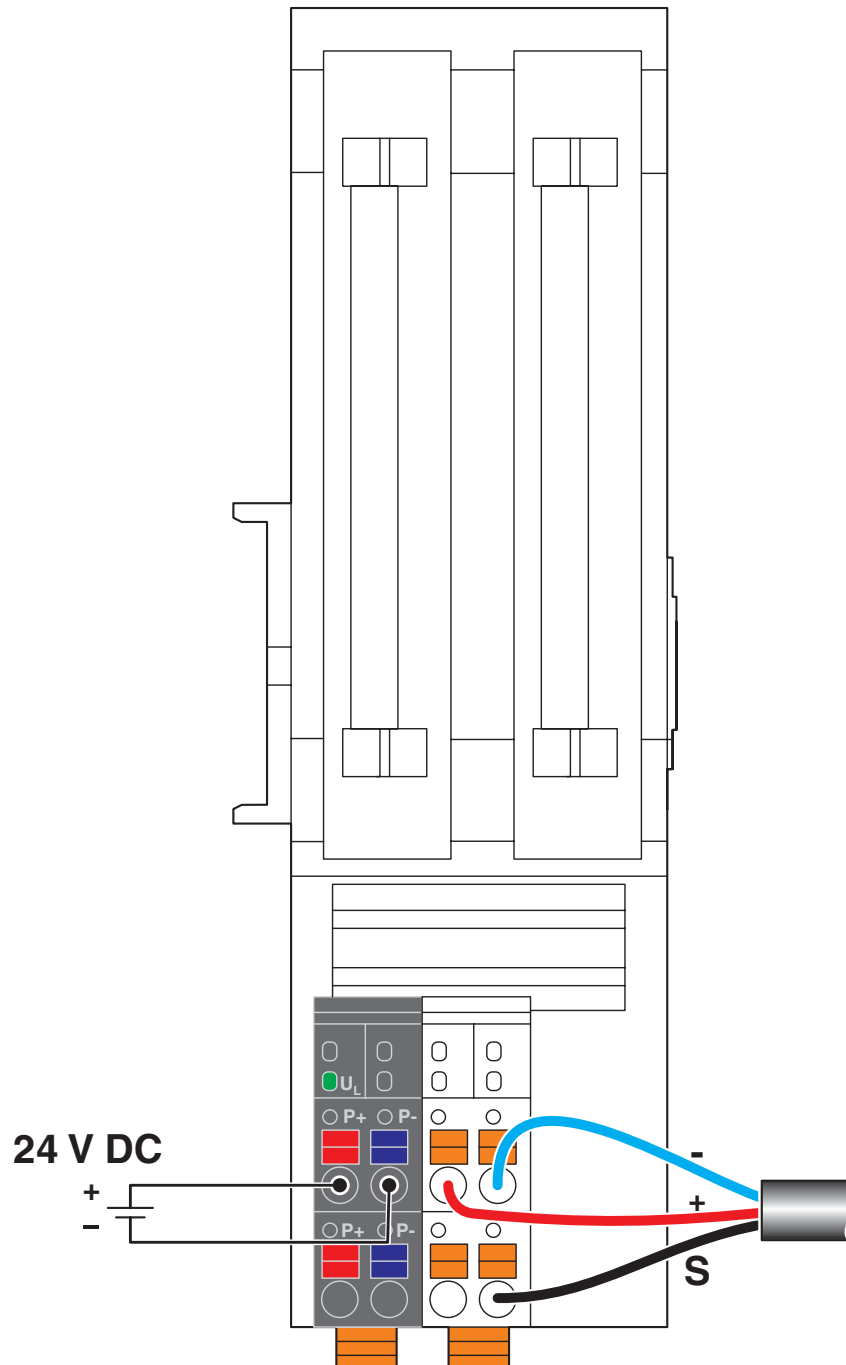
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Connection diagram



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Approvals

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**UL Listed**
Approval ID: File E238705

**cUL Listed**
Approval ID: E238705

**IECEX**
Approval ID: IECEX IBE 18.0023X

**cUL Listed**
Approval ID: E196811

**UL Listed**
Approval ID: E196811

**CCC**
Approval ID: 202112308114882

cULus Listed

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2316393

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Classifications

ECLASS

ECLASS-11.0	27242610
ECLASS-12.0	27242610
ECLASS-13.0	27242610

ETIM

ETIM 9.0	EC001600
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UNSPSC

UNSPSC 21.0	32151600
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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	5e8bcacc-fa0c-4611-a01f-9a110e27f0a4

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2316393

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Mandatory accessories

AXL P FBPS 28DC/0.5A - Feed-in module

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Axioline P redundant power supply plug for the PROFIBUS PA power supply base. Provides 500 mA @ 28 V DC to Fieldbus couplers along the trunk.

Accessories

AXL P BK PN AF - Bus coupler

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Axioline P, Bus coupler, PROFINET, RJ45 socket, auto negotiation and auto crossing, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and connectors

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AXL SHIELD SET - Shield connection

2700518

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Axioline shield connection set (contains 2 shield bus holders and 2 SK 5 shield connection clamps)



AXL P TERM PAIR - Terminal block

2316402

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Axioline P terminator pair



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AXL P BS 35 - Bus connector

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Axioline P bus base module for housing type FBPS base



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