Module carrier - AXL F BP SE6

1088136

https://www.phoenixcontact.com/pc/products/1088136

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Axioline F, Backplane, 6 slots for Axioline Smart Elements, transmission speed in the local bus: 100 Mbps, degree of protection: IP20

Product Description

The Axioline F backplane is intended for use in a station that is opened by an Axioline F bus coupler or an Axiocontrol. The backplane has six “Smart Element Interface” slots to accept Axioline Smart Elements.

Your advantages

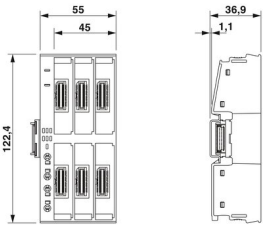
- Preparing the communications power supply for the plugged-in Axioline Smart Elements
- Supply feed-in for the peripheral supply U_P for the plugged in Axioline Smart Elements

Commercial Data

Item number	1088136
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DRIBU1
GTIN	4055626886381
Weight per Piece (including packing)	145 g
Weight per Piece (excluding packing)	112 g
Customs tariff number	85389091
Country of origin	DE

Technical Data

Dimensions

Dimensional drawing	
Width	55 mm
Height	122.4 mm
Depth	36.9 mm
Note on dimensions	The depth applies when a TH 35-7.5 DIN rail is used (in accordance with EN 60715).
Complete module width	55 mm
Complete module height	124.6 mm
Complete module depth	76.1 mm
Note	The depth applies when a TH 35-7.5 DIN rail is used (in accordance with EN 60715).

Notes

Utilization restriction

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

Material specifications

Color	traffic grey A RAL 7042

Interfaces

Axioline F local bus

Number of interfaces	2
Connection method	Bus base module
Transmission speed	100 Mbps

Smart Element interface

Number of interfaces	6
Connection method	Card edge connector

Product properties

Type	block modular
Product type	I/O component
Mounting position	Wall mounting on horizontal or vertical DIN rail

Insulation characteristics

Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

Electrical properties

Potentials: Axioline F local bus supply (U_{Bus})

Supply voltage	5 V DC

Potentials: Communications power supply of the Smart Elements (U_{SE})

Supply voltage	3.3 V DC (using card edge connectors)

Potentials: I/O supply feed-in (U_P)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 16 A (provide external protection)
	max. 12 A (Applications with UL approval, external fusing)
Current consumption	min. 1.5 mA (without connected Smart Elements, with nominal voltage)
Power consumption	max. 480 W
	max. 360 W (Applications with UL approval)
Protective circuit	Surge protection; Suppressor diode

Connection data

Connection technology

Connection name	I/O supply feed-in (U_P)
Note on the connection method	Please observe the information provided on conductor cross sections in the “Axioline F: system and installation” user manual.

Conductor connection

Connection method	Push-in connection
Conductor cross section solid	0.5 mm² ... 2.5 mm²
Conductor cross section flexible	0.5 mm² ... 2.5 mm²
Conductor cross section AWG	20 ... 14
Stripping length	8 mm

I/O supply feed-in (U_P)

Connection method	Push-in connection
Note on the connection method	Please observe the information provided on conductor cross sections in the “Axioline F: system and installation” user manual.
Conductor cross section, rigid	0.5 mm² ... 2.5 mm²
Conductor cross section, flexible	0.5 mm² ... 2.5 mm²
Conductor cross section AWG	20 ... 14
Stripping length	8 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C

Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

Standards and regulations

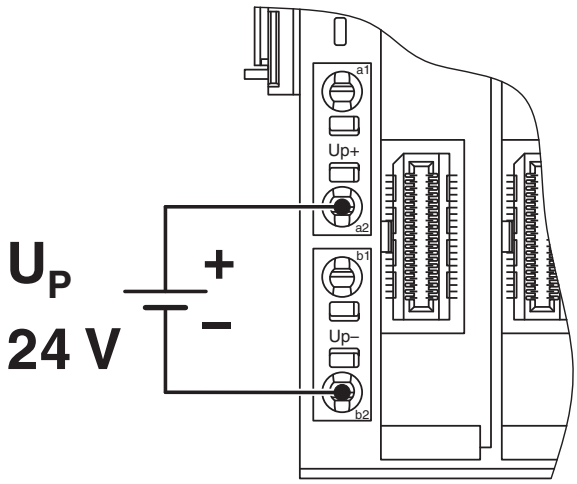
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Mounting

Mounting type	DIN rail mounting
Mounting position	Wall mounting on horizontal or vertical DIN rail

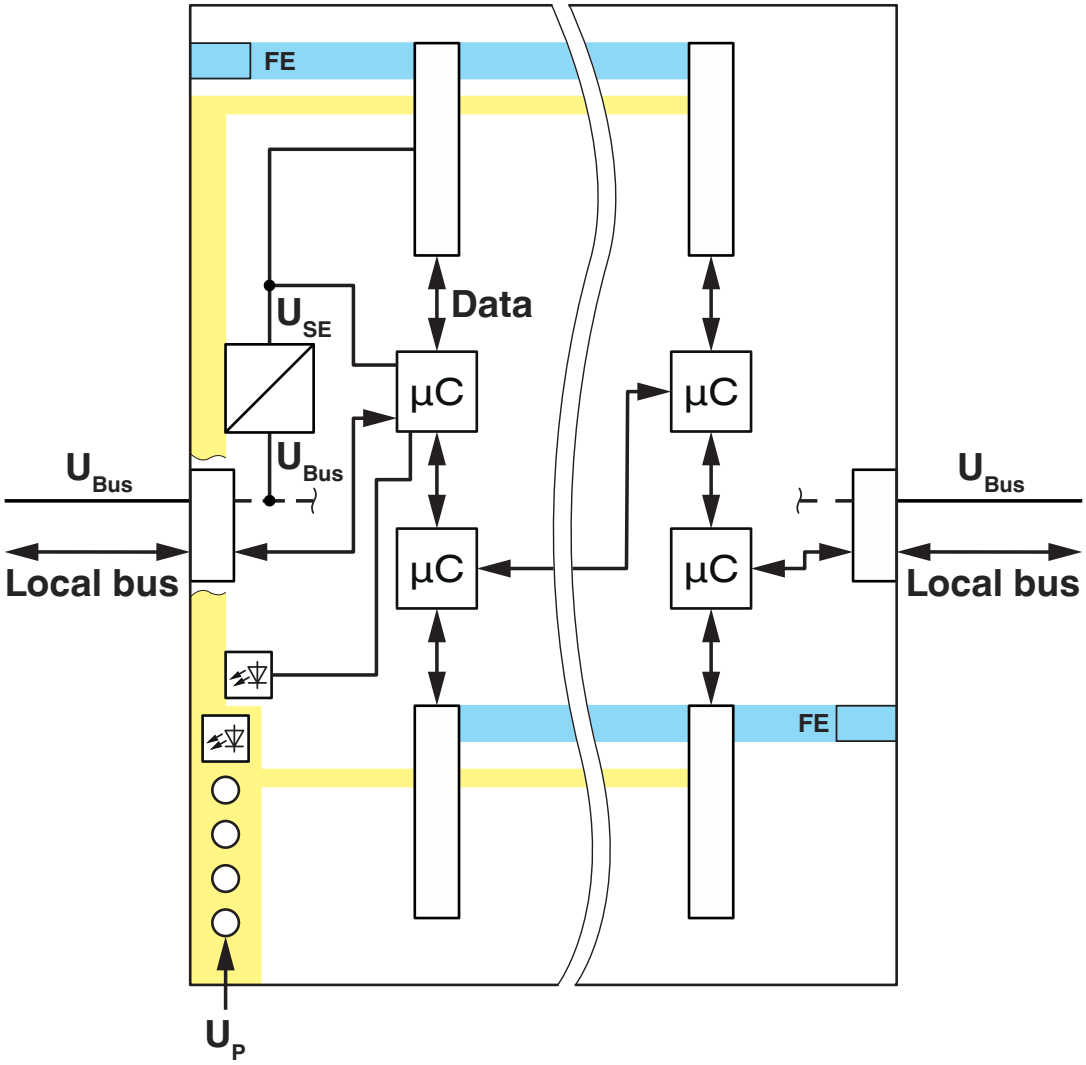
Drawings

Connection diagram



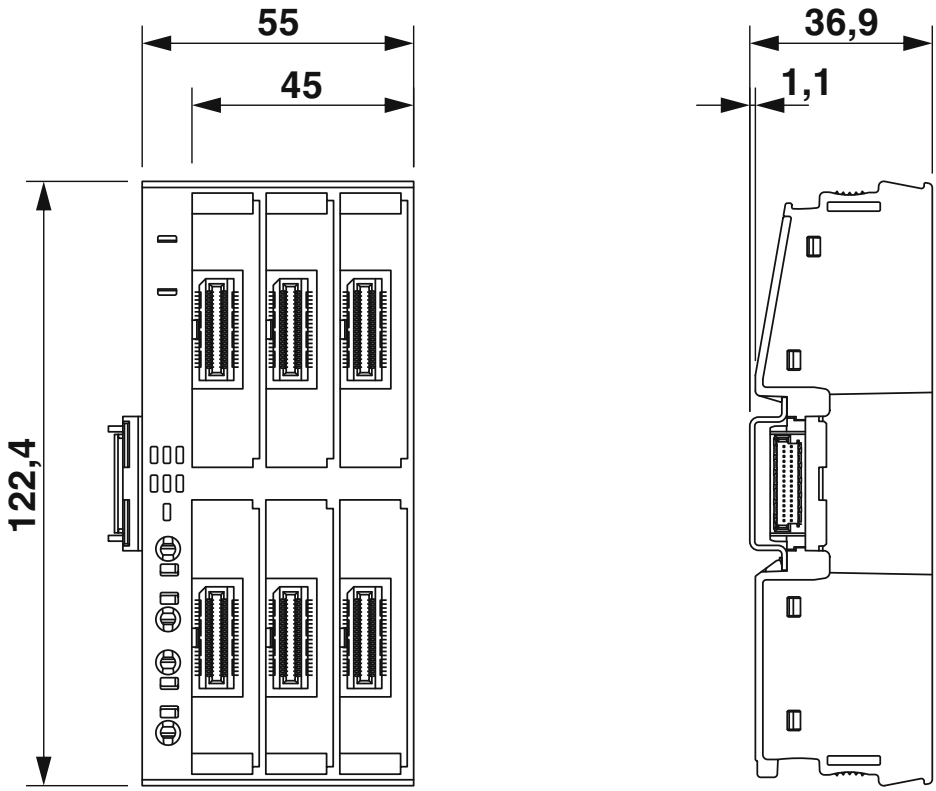
Connection example

Block diagram



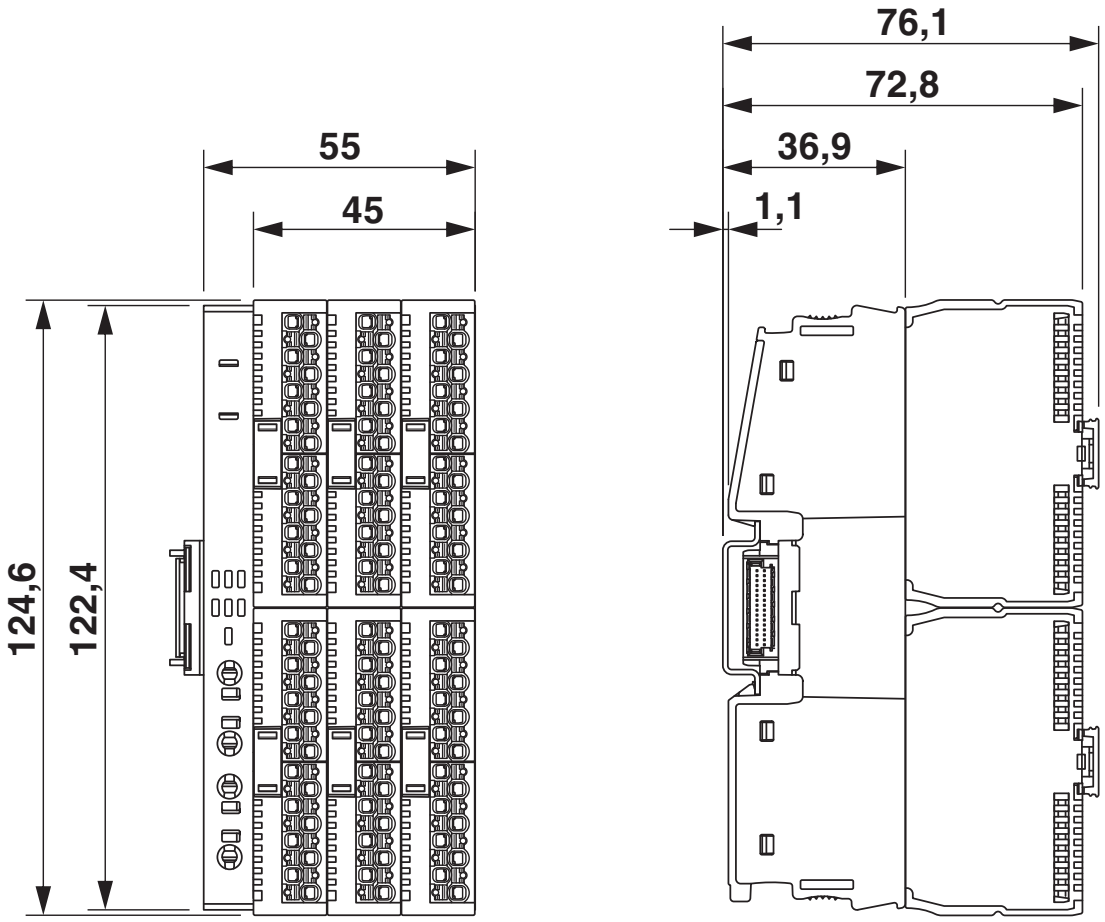
Basic circuit diagram

Dimensional drawing



Dimensions (in mm)

Dimensional drawing



Dimensions (in mm) with attached Axioline Smart Elements

Approvals

UL Listed
Approval ID: FILE E 238705

Classifications

ECLASS

ECLASS-9.0	27242610
ECLASS-10.0.1	27242610
ECLASS-11.0	27242610

ETIM

ETIM 8.0	EC001600

UNSPSC

UNSPSC 21.0	32151600

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

Accessories

Cover

Cover - AXL SE SC-A - 1088134

https://www.phoenixcontact.com/pc/products/1088134



Axioline Smart Elements, Slot cover, Diagnostic function, degree of protection: IP20

Cover

Cover - AXL SE SC - 1167159

https://www.phoenixcontact.com/pc/products/1167159



Axioline Smart Elements, Slot cover, degree of protection: IP20

End clamp

End clamp - CLIPFIX 35 - 3022218

https://www.phoenixcontact.com/pc/products/3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp

End clamp - E/AL-NS 35 - 1201662

https://www.phoenixcontact.com/pc/products/1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

Shield connection

Shield connection - AXL SHIELD SET - 2700518

https://www.phoenixcontact.com/pc/products/2700518



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

Label

Label - MM-TML (EX4,2)R C1 TR/BK - 0803979

https://www.phoenixcontact.com/pc/products/0803979



Label, Roll, transparent, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, for terminal block width: 8000 mm, lettering field size: continuous x 3.2 mm

Marker strip

Marker strip - SK 5,0 WH:REEL - 0805221

https://www.phoenixcontact.com/pc/products/0805221



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: continuous x 5 mm, Number of individual labels: 90000

Marker for terminal blocks

Marker for terminal blocks - UM6M-TM (5X12) - 0830928

https://www.phoenixcontact.com/pc/products/0830928

Markers for marking terminal blocks from ABB/Entrelec, 24-section, unmarked, can be marked with THERMOMARK CARD and BLUEMARK, color: white



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Marker for terminal blocks from the SNK series from ABB

Marker for terminal blocks from the SNK series from ABB - UCT6M-TM 5 - 0830756

https://www.phoenixcontact.com/pc/products/0830756



Marker for terminal blocks from the SNK series from ABB, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, THERMOMARK CARD 2.0, THERMOMARK PRIME, BLUEMARK ID, BLUEMARK ID COLOR, TOPMARK LASER, TOPMARK NEO, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.17 x 11.3 mm

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