

AXC F XT PB - PLC extension module



1091657

<https://www.phoenixcontact.com/us/products/1091657>

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.



PLCnext Control Extension, PLC extension module, Left alignment, PROFIBUS master; interface: PROFIBUS DP V0 / V1: 1; Amount of process data: 488 Byte; Transmission speed: 12 Mbps; degree of protection: IP20; Scope of supply: including bus base module and Axioline F connector; Supported controller: AXC F 2152, AXC F 3152

Product description

The PROFIBUS master is designed to be aligned to the left of an Axioline F controller. The PROFIBUS master can be used to integrate PROFIBUS devices into the Axioline F station.

Your advantages

- Individual extension option for a PLCnext Control from the Axioccontrol series
- Up to 125 PROFIBUS devices can be connected
- PROFIBUS connection via 9-pos. D-SUB socket
- Transmission speed of up to 12 Mbps
- Electrical isolation between PROFIBUS interface and logic
- Diagnostic and status indicators

Commercial data

Item number	1091657
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR09
Product key	DRADAF
GTIN	4055626904894
Weight per piece (including packing)	251.69 g
Weight per piece (excluding packing)	177.43 g
Customs tariff number	85176200
Country of origin	DE

AXC F XT PB - PLC extension module

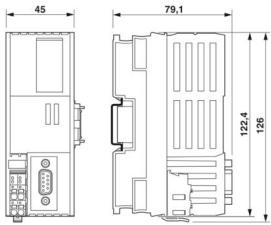


1091657

<https://www.phoenixcontact.com/us/products/1091657>

Technical data

Dimensions

Dimensional drawing	
Width	45 mm
Height	126 mm
Depth	79.1 mm
Note on dimensions	The depth applies when a TH 35-7.5 DIN rail is used (in accordance with EN 60715).

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

Material specifications

Color (Housing)	gray (RAL 7042)
-----------------	-----------------

Interfaces

Transmission speed	12 Mbps
--------------------	---------

PROFIBUS DP V0 / V1

Number of interfaces	1
Connection method	D-SUB-9 female connector
Transmission speed	max. 12 Mbps
Communication (PROFIBUS V0 / V1)	cyclical / acyclical
Transmission length	max. 100 m

System properties

Supported controller	AXC F 2152
	AXC F 3152

System limits

Amount of process data (PROFIBUS input/output data max.)	max. 488 Byte (PROFIBUS)
Number of parameter data	max. 7 Byte (Standard parameters per PROFIBUS device)
Number of configuration data	max. 237 Byte (Application-specific parameters per PROFIBUS device)
Number of supported devices (PROFIBUS)	max. 125

Product properties

AXC F XT PB - PLC extension module



1091657

<https://www.phoenixcontact.com/us/products/1091657>

Product type	I/O component
Product family	PLCnext Control Extension
Type	modular
Scope of supply	including bus base module and Axioline F connector

Electrical properties

Maximum power dissipation for nominal condition	2.88 W
---	--------

Potentials: Supply of the logic voltage U_L

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 220 mA typ. 70 mA
Protective circuit	Reverse polarity protection; Polarity protection diode Transient protection; Suppressor diode

Connection data

Connection technology

Connection name	Axioline F connector
-----------------	----------------------

Axioline F connector

Connection method	Push-in connection
Conductor cross-section, rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (with 0.5 m/s ventilation speed up to 2,000 m above mean sea level)
Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3,000 m above MSL (at an operating temperature of up to 55°C and with 0.5 ms ventilation speed))
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

Mechanical test

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	30g
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g

Standards and regulations

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

AXC F XT PB - PLC extension module



1091657

<https://www.phoenixcontact.com/us/products/1091657>

Mounting

Mounting type	DIN rail mounting
Possible mounting positions	Left alignment

AXC F XT PB - PLC extension module

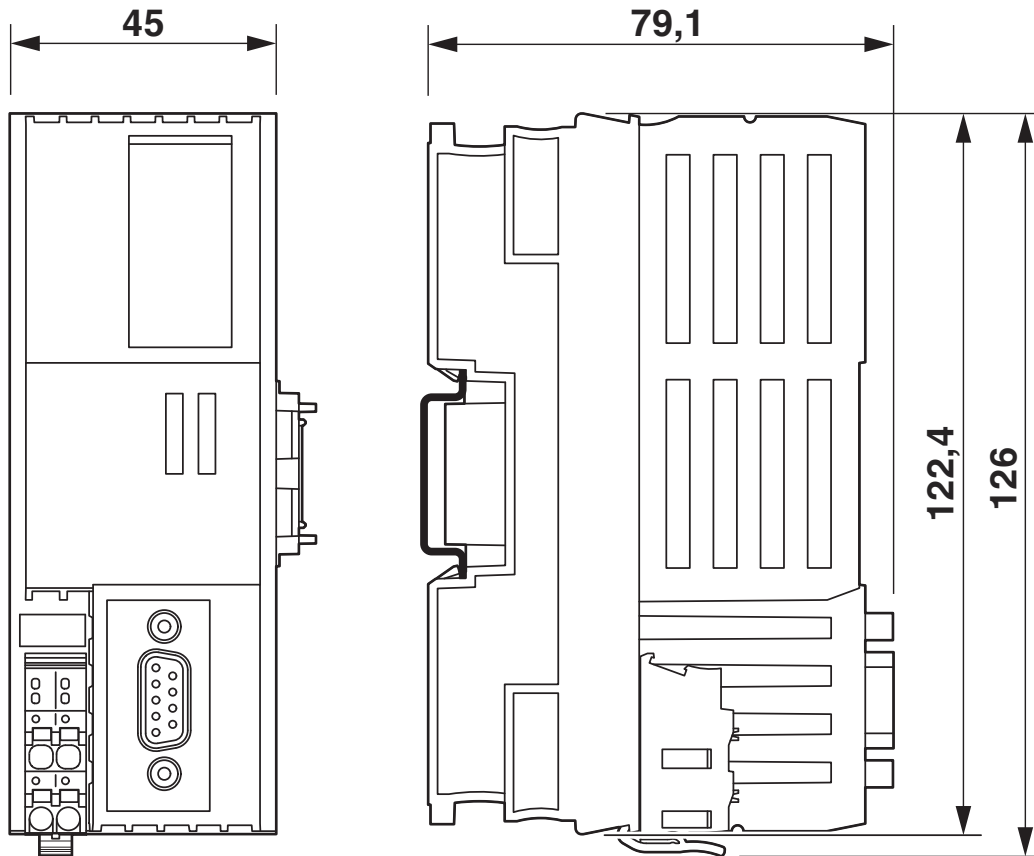


1091657

<https://www.phoenixcontact.com/us/products/1091657>

Drawings

Dimensional drawing



AXC F XT PB - PLC extension module



1091657

<https://www.phoenixcontact.com/us/products/1091657>

Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 10.0	EC001604
-----------	----------

UNSPSC

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

1091657

<https://www.phoenixcontact.com/us/products/1091657>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com