AXC F XT PB - PLC extension module

1091657

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CRA-READY



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; The product is being prepared for compliance with the Cyber Resilience Act (CRA).

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 Axiocontrol 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

ELEKTROGERÄTE RÜCKNAHME

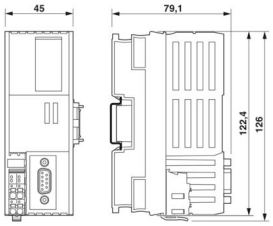
Commercial data

Item number	1091657

Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRADAF
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

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	Only for industrial use
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Mounting

Mounting type	DIN rail mounting
Possible mounting positions	Left alignment

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. 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

Product type	I/O component
Product family	PLCnext Control Extension
Type	modular
Scope of supply	including bus base module and Axioline F connector
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

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 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 1.5 mm²
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

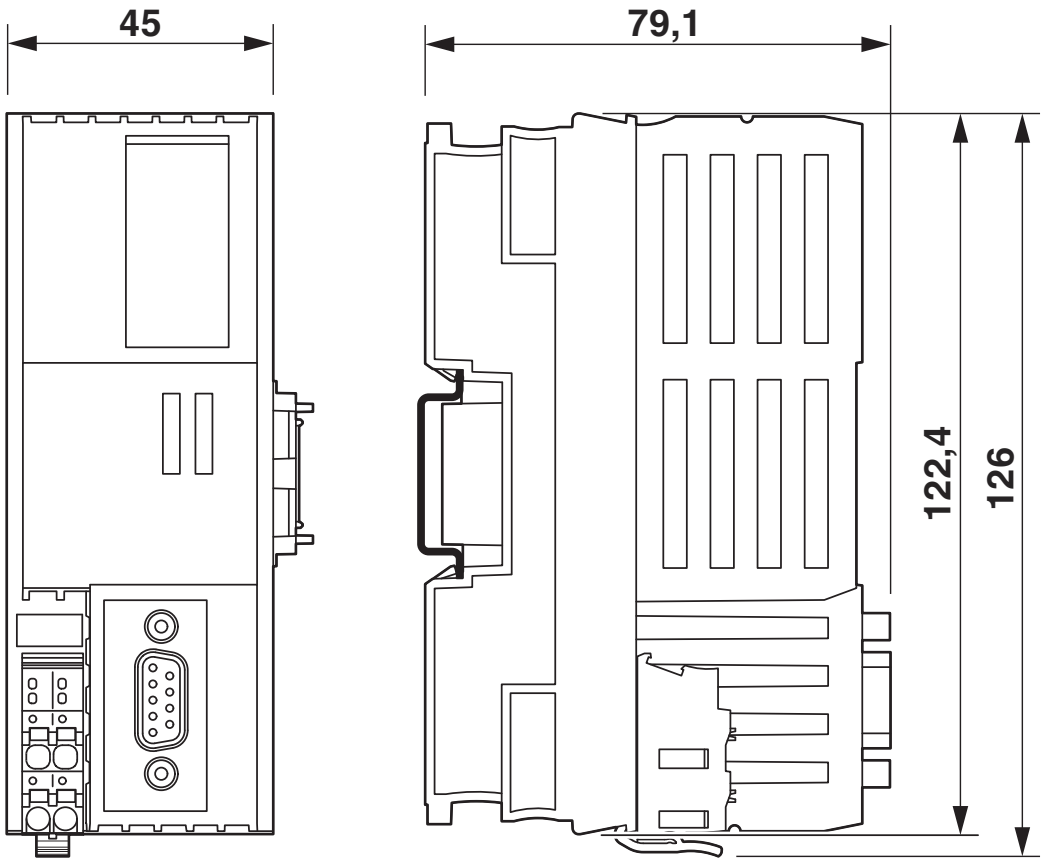
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	30g
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g

Standards and regulations

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

Drawings

Dimensional drawing



Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 10.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

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)

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