AXC F XT IB - PLC extension module

2403018

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CRA-READY



PLCnext Control Extension, PLC extension module, Left alignment, INTERBUS master; interface: INTERBUS remote bus: 1; Amount of process data: 4096 bit; Transmission speed: 500 kbps;, Transmission speed: 2 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 INTERBUS master is designed to be aligned to the left of an Axioline F controller. The INTERBUS master can be used to integrate INTERBUS remote bus devices into the Axioline F station.

Your advantages

- Up to 512 INTERBUS remote bus devices can be connected
- INTERBUS connection via 9-pos. D-SUB socket
- Automatic detection of the transmission speed in INTERBUS (500 kbps or 2 Mbps)
- Electrical isolation between INTERBUS interface and logic
- Diagnostic and status indicators
- Individual extension option for a PLCnext Control from the Axiocontrol series

ELEKTROGERÄTE RÜCKNAHME

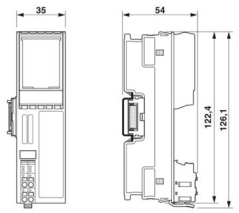
Commercial data

Item number	2403018

Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRADAF
Product key	DRADAF
GTIN	4055626345819
Weight per piece (including packing)	167.8 g
Weight per piece (excluding packing)	157.8 g
Customs tariff number	85389099
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
Width	35 mm
Height	126.1 mm
Depth	54 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
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	500 kbps

INTERBUS remote bus

Number of interfaces	1
Connection method	D-SUB-9 female connector
Transmission speed	max. 500 kbps (Operating mode 1)
	max. 2 Mbps (Operating mode 2)
Transmission physics	Copper
Transmission length	max. 400 m

System properties

Supported controller	AXC F 2152
	AXC F 3152

System limits

Amount of process data (INTERBUS input/output data)	max. 4096 bit
Number of supported devices (INTERBUS)	max. 512 (in total, of which 255 are remote bus devices/bus segments)
Number of local bus devices that can be connected	max. 63 (observe current consumption)
Number of devices with parameter channel	max. 126
Number of supported branch terminals with remote bus branch	max. 16

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)
Diagnostics messages	Bus error in INTERBUS yes
	Peripheral fault in INTERBUS yes

Electrical properties

Maximum power dissipation for nominal condition	2.64 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. 185 mA (with IBS OPTOSUB ... FO adapter)
	typ. 110 mA (without IBS OPTOSUB ... FO adapter)
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)	-25 °C ... 60 °C (up to 2000 m above sea level)
	-25 °C ... 55 °C (2000 m ... 3000 m above mean sea level)

Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level (at an operating temperature of up to 55°C, maximum))
Permissible humidity (operation)	5 % ... 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)

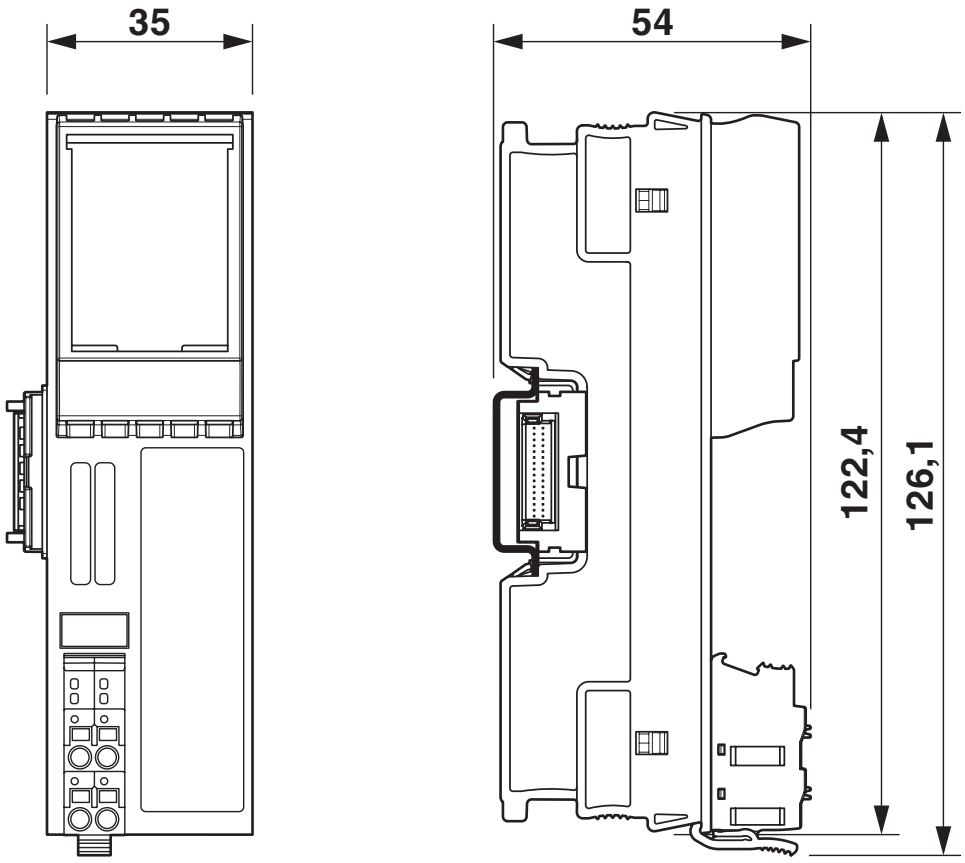
Approvals

Corrosive gas test

Identification	ISA S71.04.2013 G3 Harsh Group A, DIN EN 60068-2-60:2016-06 Method 4

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)
SCIP	0b921359-fadc-4fcc-9523-dbbf79211166

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