

## Extension module - AXC F XT IB - 2403018

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Left-alignable INTERBUS master, for the connection of INTERBUS remote bus components to a compatible modular controller from the PLCnext Control range.

### 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 expansion option for PLCnext Controls of the Axioccontrol series



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 345819
GTIN	4055626345819
Weight per Piece (excluding packing)	157.800 g
Weight per piece (including packing)	167.800 g
Custom tariff number	85389099
Country of origin	Germany

### Technical data

#### Dimensions

Width	35 mm
Height	126.1 mm
Depth	54 mm

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## Technical data

### Dimensions

Note on dimensions	The depth is valid when a TH 35-7,5 DIN rail is used (according to EN 60715).
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (up to 2000 m above sea level)
	-25 °C ... 55 °C (2000 m above sea level ... 3000 m above sea level)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level (at an operating temperature of up to 55°C, maximum))
Degree of protection	IP20

### Connection data

Designation	Axioline F connector
Connection method	Push-in connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Stripping length	8 mm

### General

Mounting type	DIN rail
Color	traffic grey A RAL 7042
Net weight	157.8 g
Note on weight specifications	with connector and bus base module
Diagnostics messages	Bus error in INTERBUS Yes
	Peripheral fault in INTERBUS Yes
Mounting type	DIN rail mounting

### Data interfaces

Interface	INTERBUS remote bus
Number	1
Connection method	D-SUB-9 female connector

### Axioline potentials

Designation	Supply of the logic voltage U <sub>L</sub>
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 110 mA (without IBS OPTOSUB ... FO adapter) max. 185 mA (with IBS OPTOSUB ... FO adapter)
Type of protection	Reverse polarity protection
	Transient protection

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## Technical data

### Standards and Regulations

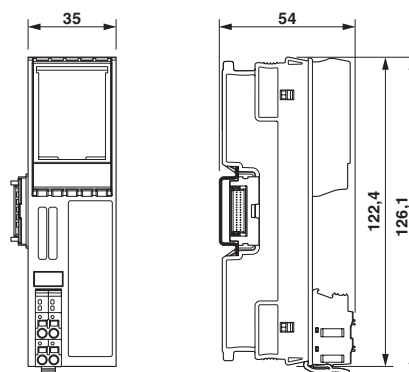
Immunity to ESD	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to EF	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to burst	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, 2 kV
Immunity to surge	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion B, DC supply lines: $\pm 0.5$ kV/ $\pm 0.5$ kV (symmetrical/asymmetrical), fieldbus cable shield: $\pm 1$ kV
Immunity to conducted interference	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Interference emission	Noise emission test according to EN 61000-6-3/IEC 61000-6-3
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27242608
eCl@ss 11.0	27242608

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## Classifications

### eCl@ss

eCl@ss 9.0	27242608
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### ETIM

ETIM 6.0	EC001604
ETIM 7.0	EC001604

### UNSPSC

UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Accessories

### Accessories

#### Controller

Controller - AXC F 3152 - 1069208



PLCnext Control for the direct control of Axioline F I/Os. With three independent Ethernet interfaces. Complete with connector and bus base module.

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### Data plug

D-SUB bus connector - SUBCON 9/M-SH - 2761509



D-SUB connector, 9-pos., male connector, one 35° cable entry, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

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### Device marking

Insert label - EMT (35X28)R - 0801602



Insert label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: snapped, lettering field size: 35 x 28 mm, Number of individual labels: 500

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### DIN rail connector

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### Accessories

Bus connector - AXC BS L 2 - 1064312



Bus base module for left-aligning the AXC F 2xxx controllers

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### Plug

Plug - AXL CN S/UL - 2701421



Axioline F short power connector (for e.g., AXL F BK ...)

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