

# AXC F IL ADAPT - PLC extension module



1020304

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PLCnext Control Extension, PLC extension module, Right alignment, Adapter terminal, Extension module; interface: INTERBUS local bus (master): 1; Amount of process data: 4096 bit; degree of protection: IP20; Scope of supply: including bus base module and Inline connector; Supported controller: AXC F 1152, AXC F 1252, AXC F 2152

## Product description

The Inline adapter terminal (INTERBUS master) is designed to be aligned to the right of an Axioccontrol series PLCnext Control device. The Inline adapter terminal can be used to set up an Inline station for PLCnext Technology and to integrate INTERBUS devices.

## Your advantages

- Automatic detection of the transmission speed in INTERBUS (500 kbps or 2 Mbps)
- Up to 63 INTERBUS local bus devices can be connected
- Diagnostic and status indicators
- Inline I/O adapter terminal specifically developed for all PLCnext Control devices of the Axioccontrol series
- A variety of functional I/Os creates options for flexible automation solutions
- Convert existing machines and systems to the new, open PLCnext Technology ecosystem



## Commercial data

Item number	1020304
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR09
Product key	DRADAF
GTIN	4055626510088
Weight per piece (including packing)	115.9 g

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Weight per piece (excluding packing)	66 g
Customs tariff number	85389099
Country of origin	DE

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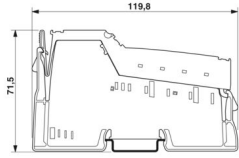


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## Technical data

### Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

Note on application

Note on application	Only for industrial use
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### Material specifications

Color	gray (RAL 7042)
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### Interfaces

Inline local bus

Number of interfaces	1
Connection method	Inline data jumper

INTERBUS local bus (master)

Number of interfaces	1
Connection method	Inline data jumper
Transmission physics	Copper

### System properties

Supported controller	AXC F 1152
	AXC F 1252
	AXC F 2152

System limits

Amount of process data (INTERBUS input/output data max.)	max. 4096 bit (INTERBUS input/output data)
Amount of process data (INTERBUS input data max.)	max. 2048 bit (INTERBUS input data)
Amount of process data (INTERBUS output data max.)	max. 2048 bit (INTERBUS output data)
Number of local bus devices that can be connected	max. 63 (observe current consumption)
Number of devices with parameter channel	max. 24
Number of supported branch terminals with remote bus branch	- 0 (INTERBUS remote bus not supported)

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## Programming data

Register length (master)	512 Byte
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## Product properties

Product type	I/O component
Product family	PLCnext Control Extension
Type	modular
Scope of supply	including bus base module and Inline connector
Diagnostics messages	Bus error in INTERBUS yes
	Peripheral fault in INTERBUS yes

## Electrical properties

Maximum power dissipation for nominal condition	0.77 W
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### Potentials

Protective circuit	Polarity reversal protection of the supply voltage; Polarity protection diode
	Transient protection; Suppressor diode

### Potentials: 24 V supply $U_{ILC}$

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Current draw	20 mA

### Potentials: 7.5 V communications power $U_L$ (potential jumper)

Supply voltage	7.5 V DC $\pm 5$ %
Power supply	max. 0.8 A DC (observe derating)

### Potentials: 24 V analog supply $U_{ANA}$ (potential jumper)

Supply voltage	24 V DC -15 % / +20 %
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	0.5 A DC (observe derating)

### Potentials: 24 V main supply $U_M$

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 8 A DC (sum of $U_M + U_S$ )

### Potentials: 24 V segment supply $U_S$

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 8 A (sum of $U_M + U_S$ )

### Supply: Module electronics

Current consumption	20 mA
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## Connection data

### Connection technology

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Connection name	Inline connector
Inline connector	
Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16
Stripping length	8 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	10 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

### Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	30g, 11 ms period, half-sine shock pulse
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g

## Approvals

### UL, USA/Canada

Identification	cULus
Certificate	E238705

## Mounting

Mounting type	DIN rail mounting
Possible mounting positions	Right alignment

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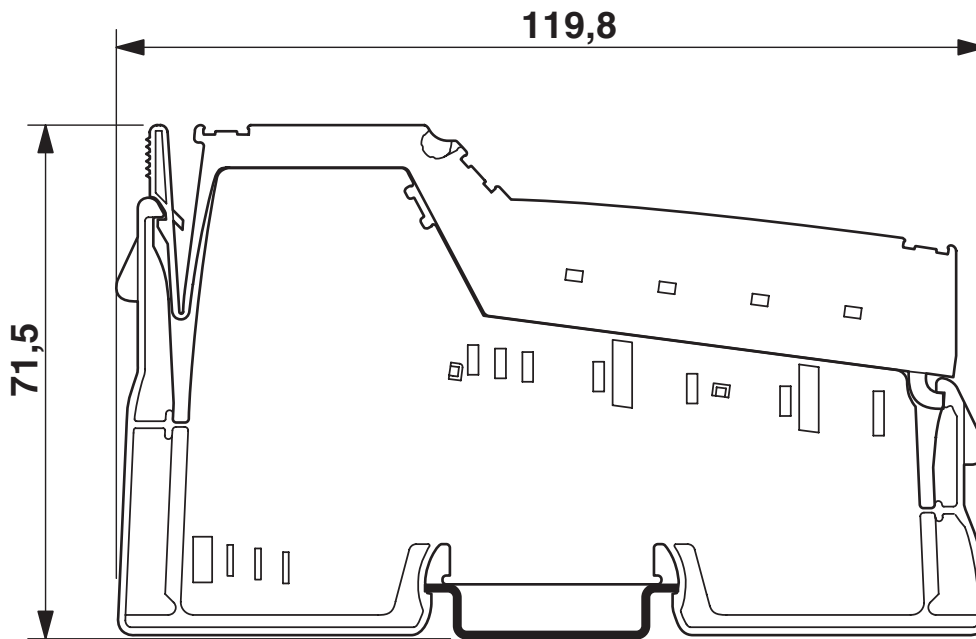


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1020304>



**DNV GL**

Approval ID: TAA00000DF



**LR**

Approval ID: LR2480202TA-02



**RINA**

Approval ID: ELE008423XG001

**ABS**

Approval ID: 20-1968571-PDA

**BSH**

Approval ID: 840



**cULus Listed**

Approval ID: E238705



**cULus Listed**

Approval ID: E366272

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## Classifications

### ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

### ETIM

ETIM 10.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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	b07b7250-91ac-4d77-b234-9e941ab874e9

### EF3.1 Climate Change

CO2e kg	16.249 kg CO2e
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