

AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

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.



Alignable INTERBUS master for setting up an Inline I/O station connected to a modularly expandable PLCnext Control

Product description

The Inline adapter terminal (INTERBUS master) is designed to be aligned to the right of an Axiocontrol 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 Axiocontrol 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
Weight per piece (excluding packing)	66 g
Customs tariff number	85389099
Country of origin	DE

AXC F IL ADAPT - PLC extension module

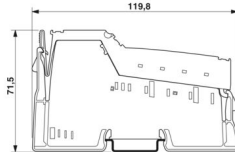


1020304

<https://www.phoenixcontact.com/us/products/1020304>

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
---------------------	-------------------------

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 controllers	AXC F 2152
-----------------------	------------

System limits

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)

Product properties

Product type	I/O component
Product family	PLCnext Control Extension
Type	modular
Diagnostics messages	Bus error in INTERBUS yes
	Peripheral fault in INTERBUS yes

Electrical properties

AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

Maximum power dissipation for nominal condition	0.77 W
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 ± 5 %
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)
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)
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)
Supply: Module electronics	
Current consumption	20 mA

Connection data

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

Environmental and real-life conditions

AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

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)

Approvals

UL, USA/Canada

Identification	cULus
Certificate	E238705

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

AXC F IL ADAPT - PLC extension module

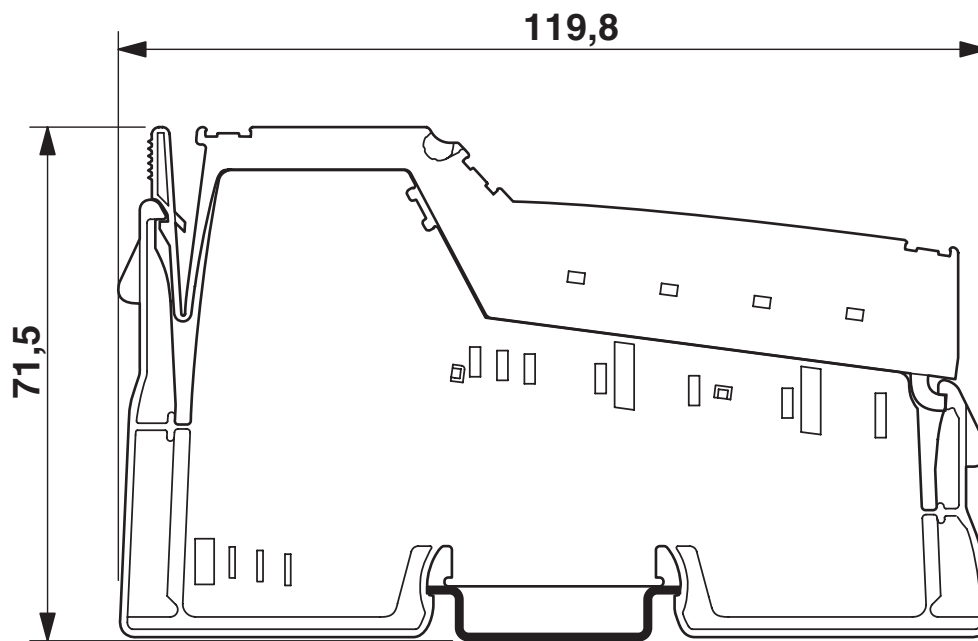


1020304

<https://www.phoenixcontact.com/us/products/1020304>

Drawings

Dimensional drawing



AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

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

AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 9.0	EC001604
----------	----------

UNSPSC

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

AXC F IL ADAPT - PLC extension module



1020304

<https://www.phoenixcontact.com/us/products/1020304>

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

Phoenix Contact 2025 © - 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