

AXC F IL ADAPT - PLC extension module



1020304

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Right-alignable Inline adapter terminal (INTERBUS master) for one PLCnext Control device for setting up a PLCnext Technology Inline station



Product description

The Inline adapter terminal (INTERBUS master) is designed to be aligned to the right of an Axiococontrol 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 Axiococontrol 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
Catalog page	Page 12 (C-6-2019)
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

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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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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 controllers	AXC F 2152
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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

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

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Electrical properties

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 %
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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
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Connection data

Connection technology

Connection name	Inline connector
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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

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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)

Approvals

UL, USA/Canada

Identification	cULus
Certificate	E238705

Mounting

Mounting type	DIN rail mounting
	DIN rail mounting

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Classifications

ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

ETIM

ETIM 9.0	EC001604
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com