

AXC F XT SPLC 1000 - PLC extension module



1159811

<https://www.phoenixcontact.com/us/products/1159811>

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Alignable safety controller for 32 PROFIsafe devices connected to a modularly expandable PLCnext Control (not for AXC F 1152)

Your advantages

- Implementation of safety-related applications up to SIL 3/PL e
- PROFIsafe F-Host for up to 32 PROFIsafe F-Devices in PROFINET or Axioline
- PROFIsafe F-Device for communication with a higher-level PROFIsafe F-Host SPLC
- 2 x diverse SCPUs with Cortex M4-based architecture
- Full integration into the PLCnext Technology ecosystem

Commercial data

Item number	1159811
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR09
Product key	DRADAG
GTIN	4063151166663
Weight per piece (including packing)	396.7 g
Weight per piece (excluding packing)	396.7 g
Customs tariff number	85371091
Country of origin	DE

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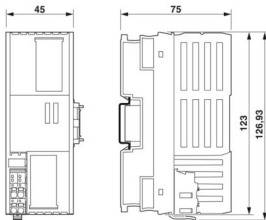


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Technical data

Dimensions

Dimensional drawing	
Width	45 mm
Height	126.93 mm
Depth	75 mm
Note on dimensions	The depth applies when a TH 35-7.5 DIN rail is used (in accordance with EN 60715).

External dimensions

Width / Height / Depth	45 mm / 126.93 mm / 75 mm (The depth applies when a TH 35-7.5 DIN rail is used (in accordance with EN 60715).)
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Notes

General	If the SPLC-1000 is operated with AXC F 2152, the AXC BS L 2 bus base module must be used.
Note on application	
Note on application	Only for industrial use

Interfaces

Web server	no
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System properties

Function

Diagnostics display	no
Redundancy function	no
Safety function	yes
Industrial cybersecurity	yes

System requirements

Engineering tool	PLCnext Engineer
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Product properties

Product type	I/O component
Product family	PLCnext Control Extension
Type	modular
Special properties	Development process certified in accordance with IEC 62443-4-1

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Product certified in accordance with IEC 62443-4-2

Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Display

Diagnostics display	no
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Electrical properties

Maximum power dissipation for nominal condition	typ. 1.92 W
	typ. 1.92 W

Supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Max. current consumption	100 mA
Typical current consumption	80 mA

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. 100 mA
	typ. 80 mA
Protective circuit	Reverse polarity protection; Polarity protection diode
	Transient protection; Suppressor diode

Connection data

Connection technology

Connection name	Axioline F connector
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Conductor connection

Connection method	Push-in connection
Conductor cross-section rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16
Stripping length	8 mm

Axioline F connector

Connection method	Push-in connection
Conductor cross-section, rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

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Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C up to 2000 m above mean sea level
	-25 °C ... 55 °C up to 3000 m above mean sea level
	-25 °C ... 50 °C up to 4000 m above mean sea level
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	5 % ... 95 % (according to DIN EN 61131-2)
Shock (operation)	30g (in accordance with EN 60068-2-27/IEC 60068-2-27)
Shock (storage/transport)	30g (in accordance with EN 60068-2-27/IEC 60068-2-27)
Vibration (operation)	5g (in accordance with EN 60068-2-6/IEC 60068-2-6)
Vibration (storage/transport)	5g (in accordance with EN 60068-2-6/IEC 60068-2-6)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	58 kPa ... 106 kPa (up to 4500 m above mean sea level)
Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37	Use of the device in these ambient conditions is prohibited.

Approvals

ATEX

Identification	Ex ec IIC T4 Gc
Certificate	UL 21 ATEX 2651X

IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX ULD 21.0029X

UL Ex, USA / Canada

Identification	Class I, Zone 2, AEx ec IIC T4, Ex ec IIC T4 Gc X
	Class I, Div. 2 Groups A, B, C, D T4
Certificate	E366272

UL, USA/Canada

Identification	cULus
Certificate	E238705

Industrial Cyber Security

Identification	Industrial IT Security, IACS Component
Certificate	IITS2 029429 0027
Note	Configuration: Security Profile active

Mounting

Mounting type	DIN rail mounting
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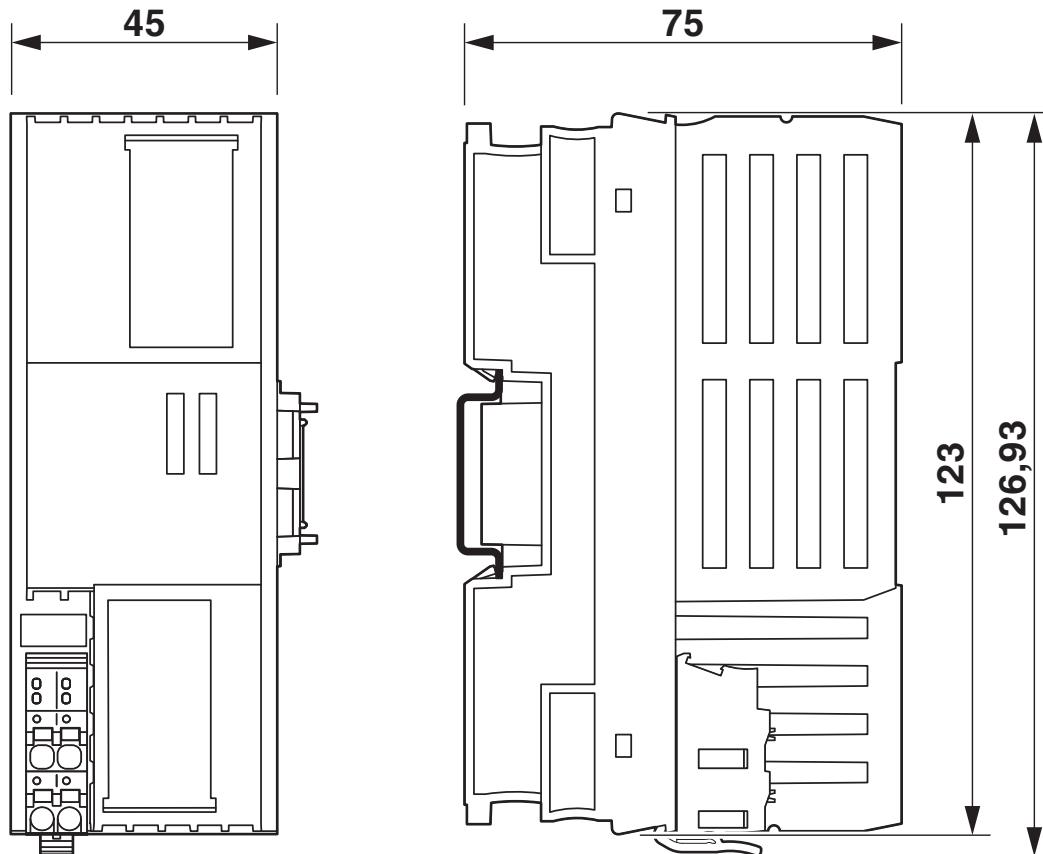
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Drawings

Dimensional drawing



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Approvals

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PROFIsafe

Approval ID: Z20301

PROFIsafe

Approval ID: Z20299



DNV GL

Approval ID: TAA00000DF



TÜV SÜD Type tested

Approval ID: IITS2 029429 0027



cULus Listed

Approval ID: E238705

Cybersecurity Certificate

Approval ID: 968 CSP 1037.00 25



Functional Safety

Approval ID: 01/205/5864.00/21



Functional Safety

Approval ID: 968/FSP 2367.00/21



Functional Safety

Approval ID: 01/205U/5864.00/23



IECEx

Approval ID: IECEx ULD 21.0029X



ATEX

Approval ID: UL 21 ATEX 2651X

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cULus Listed

Approval ID: E366272

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Classifications

ECLASS

ECLASS-13.0	27242207
ECLASS-15.0	27242207
ECLASS-15.0 ASSET	27250101

ETIM

ETIM 9.0	EC000236
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UNSPSC

UNSPSC 21.0	32151700
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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	5e5e678b-3b76-4eb5-b6f7-7f5e9ab2a092

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