

Extension module - AXC F XT SPLC 1000



1159811

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

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The AXC F XT SPLC 1000 (SPLC 1000) is a left-alignable, safety-oriented control for operating PROFIsafe devices. The SPLC 1000 is connected to the AXC F 2152 or AXC F 3152 modular controllers from the PLCnext Control series.

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	DRADAG
Product Key	DRADAG
GTIN	4063151166663
Weight per Piece (including packing)	304 g
Weight per Piece (excluding packing)	304 g
Customs tariff number	85371091
Country of origin	DE

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Technical Data

Dimensions

External dimensions

Width / Height / Depth	45 mm / 126.93 mm / 75 mm (The depth is valid when a TH 35-7,5 DIN rail is used (according to 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.
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Material specifications

Color	yellow
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Interfaces

Web server	No
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Extension bus

Bus system	PCIe
Number of interfaces	2

System properties

Function

Diagnostics display	No
Controller redundancy	No
Safety function	yes

Product properties

Type	modular
Product type	I/O component

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

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

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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 solid	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
Stripping length	8 mm

Ambient conditions

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 (according to EN 60068-2-27/IEC 60068-2-27)
Shock (storage/transport)	30g (according to EN 60068-2-27/IEC 60068-2-27)
Vibration (operation)	5g (according to EN 60068-2-6/IEC 60068-2-6)
Vibration (storage/transport)	5g (according to 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.

Approval data

ATEX

Identification	□ II 3 G Ex ec IIC T4 Gc
Certificate	UL 21 ATEX 2651X

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IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX ULD 21.0029X

UL, USA / Canada

Identification	cULus
Certificate	E238705

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

Mounting

Mounting type	DIN rail mounting
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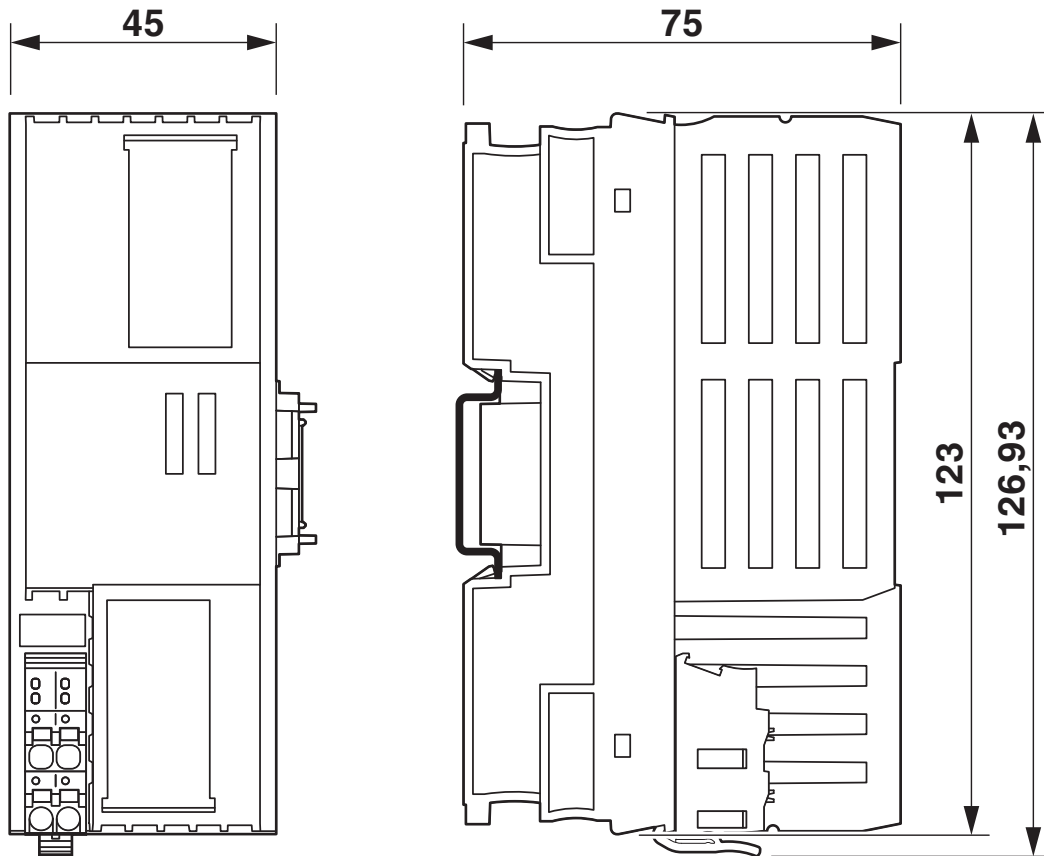


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Drawings

Dimensional drawing



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Approvals

**Functional Safety**

Approval ID: 01/205/5864.00/21

**Functional Safety**

Approval ID: 968/FSP 2367.00/21

PROFIsafe

Approval ID: Z20301

PROFIsafe

Approval ID: Z20299

**DNV GL**

Approval ID: TAA00000DF

**UL Listed**

Approval ID: FILE E 238705

**cUL Listed**

Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	27242207
ECLASS-10.0.1	27242207
ECLASS-11.0	27242207

ETIM

ETIM 8.0	EC000236
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UNSPSC

UNSPSC 21.0	32151700
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Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

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