

# Preventa XPS

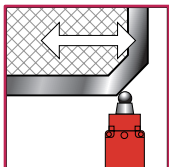
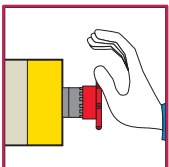
Safety modules

XPSAXE, XPSAC

For Emergency stop and switch monitoring -  
Category 0

Catalog

July 2019



# Quick access to product information

## Get technical information about your product

References

**Telefast Pre-wired System**  
Modicon ABE9 IP 67 passive splitter boxes

References						
Splitter boxes with connections by M2 connector						
Number of circuits	Connection by	LED indicator	Reference	Weight (kg)	Volume (cm <sup>3</sup> )	Price (€)
4	A-1012	Yes	ABE9C1012	0.270	1.100	1.100
6	B-1012	Yes	ABE9C1012	0.280	1.100	1.100
8	C-1012	Yes	ABE9C1012	0.290	1.100	1.100
10	D-1012	Yes	ABE9C1012	0.300	1.100	1.100
Splitter boxes with connections by Cable						
Number of circuits	Connection by	Length (mm)	Reference	Weight (kg)	Volume (cm <sup>3</sup> )	Price (€)
4	A-1012	5	ABE9L1012	0.280	1.100	1.100
6	B-1012	5	ABE9L1012	0.290	1.100	1.100
8	C-1012	5	ABE9L1012	0.300	1.100	1.100
10	D-1012	5	ABE9L1012	0.310	1.100	1.100

Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

**Schneider Electric**

XB5AL73415  
green flush/red projecting double-headed pushbutton Ø22 with marking

Download your XB5AL73415 datasheet

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Characteristics | Dimensions Drawings | Mounting and Clearance | Documents & Downloads

Main

Range of product	Harmony XBS
Product or component type	Complete double-headed push-button
Device short name	XB5
Device material	Plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	22 mm
Shape of signaling unit head	Rectangular
Type of operator	Spring return
Operator profile	1 flush - 1 projecting push-buttons
Operator description	Green "I" - red "O"
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow break

## Find your catalog



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## Select your training



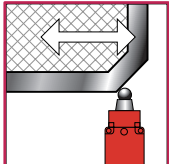
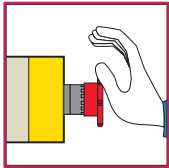
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# General content

## Preventa XPS

### Safety modules

- **Type XPSAXE,  
For Emergency stop and switch monitoring**
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- **Type XPSAC,  
For Emergency stop and switch monitoring**
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#### Operating principle

Safety modules **XPSAXE** are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The **XPSAXE** module has 3 safety outputs and a relay output for signalling to the PLC

#### Maximum achievable safety level

- PL e/Category 4 conforming to EN/ISO 13849-1
- SILCL3 conforming to EN/IEC 61508 and EN/IEC 62061

#### Product certifications

- UL
- CSA
- BG

#### References

Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight kg/lb
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals Terminal block removable from module	3	1 relay	~ and 24 V	<a href="#">XPSAXE5120P</a>	0,229/ 0,505
	Spring terminals Terminal block removable from module	3	1 relay	~ and 24 V	<a href="#">XPSAXE5120C</a>	0,229/ 0,505



XPSAXE5120P



XPSAXE5120C

# Preventa XPS

## Safety modules

### XPSAXE for Emergency stop and switch monitoring

>> Wiring diagram and Functional Diagram are available on the web via the partnumber.

*Operating principle, references*

### Preventa safety modules

Type XPSAXE  
For Emergency stop and switch monitoring

**Operating principle**

Safety modules XPSAXE are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The XPSAXE module has 3 safety outputs and a relay output for signalling to the PLC.

13849-1,  
and EN/IEC 62061

- CSA
- BG

**References**

Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight kg/lb
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals Terminal block removable from module	3	1 relay	~ and = 24 V	XPSAXE5120P	0,229/ 0,505
	Spring terminals Terminal block removable from module	3	1 relay	~ and = 24 V	XPSAXE5120C	0,229/ 0,505

XPSAXE5120P

> Click on a partnumber, the hyperlink opens the web

> Click on "Documents & Download"

**XPSAXE5120P**  
module XPSAXE - stop and switch monitoring - 24 V DC

Download your XPSAXE5120P datasheet

Change your selection Remove all

Safety module application: For emergency stop and switch monitoring

Output type: Relay instantaneous opening 3

NO, volt-free

[UK] rated supply voltage: 24 V AC

Connections - terminals: Captive screw clamp terminals, removable terminal block, damping capacity: 1 x 0.2...1 x 2.5 mm<sup>2</sup> solid cable without cable end

Number of additional circuits: 1 NC

Characteristics | Dimensions Drawings | Connections and Schema | Documents & Downloads

Main  Show

Complementary  Show

Environment  Show

> Click on "Instruction sheet"

**XPSAXE5120P**  
module XPSAXE - stop and switch monitoring - 24 V DC

Result: 2 documents

**Instruction sheet**

XPSAXE5120P Safety Relay for monitoring EMERGENCY STOP circuits

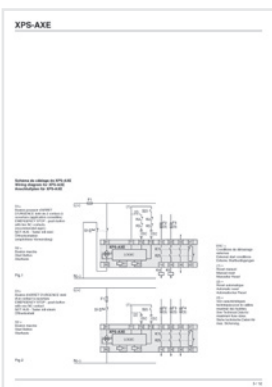
Refine your selection

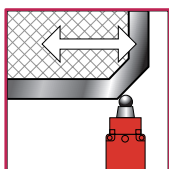
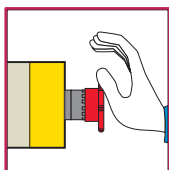
- Product image
- Instruction sheet
- Product environmental
- End of life manual
- Certificate

Embedded hyperlinks in catalogues



direct access to information on the internet





#### Operating principle

Safety modules **XPSAC** are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The **XPSAC** module has 3 safety outputs and a solid-state output for signalling to the PLC.

#### Maximum achievable safety level

- PL e/Category 4 conforming to EN/ISO 13849-1
- SILCL3 conforming to EN/IEC 61508 and EN/IEC 62061

#### Product certifications

- UL
- CSA
- TÜV

#### References

Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight kg/lb
<b>Safety modules for Emergency stop and switch monitoring</b>	Captive screw clamp terminals Terminal block integrated in module	3	1 solid-state	~ and --- 24 V	<a href="#">XPSAC5121</a>	0.160/ 0.353
				~ 48 V	<a href="#">XPSAC1321</a>	0.210/ 0.463
				~ 115 V	<a href="#">XPSAC3421</a>	0.210/ 0.463
				~ 230 V	<a href="#">XPSAC3721</a>	0.210/ 0.463



XPSAC●●●●●



XPSAC●●●●●P

Captive screw clamp terminals Terminal block removable from module	3	1 solid-state	~ and --- 24 V	<a href="#">XPSAC5121P</a>	0.160/ 0.353
			~ 48 V	<a href="#">XPSAC1321P</a>	0.210/ 0.463
			~ 115 V	<a href="#">XPSAC3421P</a>	0.210/ 0.463
			~ 230 V	<a href="#">XPSAC3721P</a>	0.210/ 0.463

# Preventa XPS

## Safety modules

### XPSAC for Emergency stop and switch monitoring

>> Wiring diagram and Functional Diagram are available on the web via the partnumber.

**Operating principle, references**

**Preventa safety modules**  
Type XPSAC  
For Emergency stop and switch monitoring

**Operating principle**  
Safety modules XPSAC are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The XPSAC module has 3 safety outputs and a solid-state output for signalling to the PLC.

**References**

Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight (kg)
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals terminal block integrated in module	3	1 solid-state	~ and = 24 V XPSAC5121	0.180/0.353	
				~ 48 V	AC1321	0.210/0.463
				~ 115 V	XP1321	0.210/0.463
				~ 230 V	XPSAC5121	0.210/0.463

> Click on a partnumber, the hyperlink opens the web

> Click on "Documents & Download"

**XPSAC5121**  
module XPSAC - Emergency stop - 24 V AC DC

Download your XPSAC5121 datasheet

Change your selection Remove all

Safety module application: For emergency stop and switch monitoring

Output type: Relay instantaneous opening 3 NO, volt-free

[Us] rated supply voltage: 24 V AC (-20...+10%)

Connections - terminals: Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.8 mm flexible cable with cable end, without bezel

Number of additional circuits: 1 solid state output

Characteristics | Dimensions Drawings | Connections and Schema | Documents & Downloads

Main  Show

Complementary  Show

Environment  Show

> Click on "Instruction sheet"

**XPSAC5121**  
module XPSAC - Emergency stop - 24 V AC DC

Result: 3 documents

**Instruction sheet**

XPSAC5121... Safety module for emergency stop and switch monitoring

Refine your selection

Product image

Instruction sheet

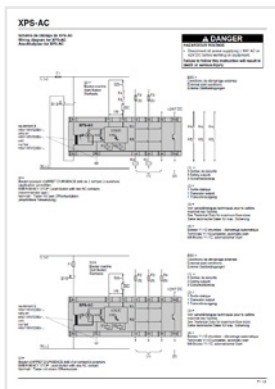
Product environmental

End of life manual

Certificate

Embedded hyperlinks in catalogues

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# Preventa XPS

Safety modules

XPSAXE, XPSAC

For Emergency stop and switch monitoring - Category 0

Product reference index

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<http://www.schneider-electric.com/machinesafety>

#### Schneider Electric Industries SAS

Head Office  
35, rue Joseph Monier  
F-92500 Rueil-Malmaison  
France

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