

# Preventa XPS

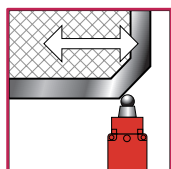
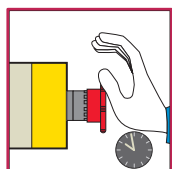
Safety modules

XPSABV

For Emergency stop and switch monitoring - Category 1

Catalog

July 2019



**Schneider**  
Electric

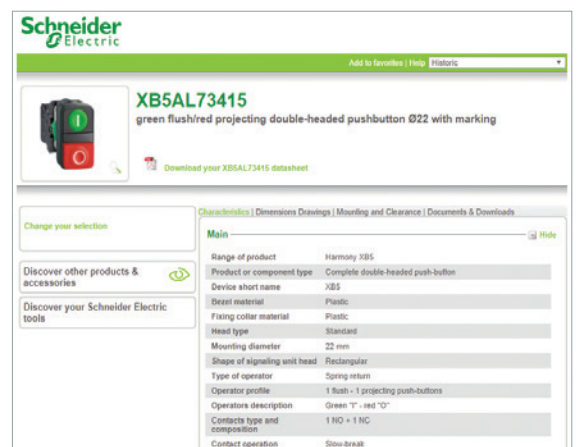
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Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

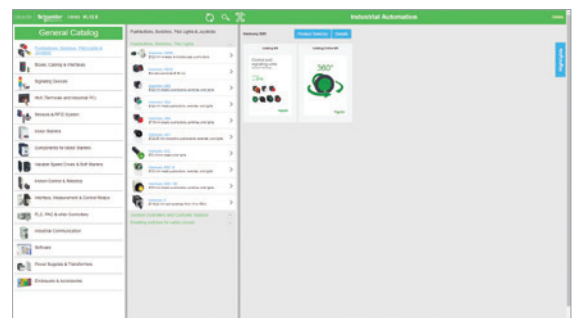
- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual



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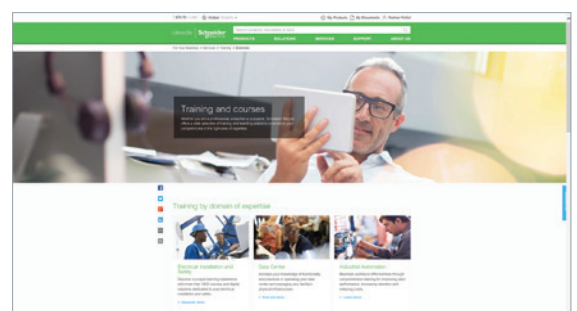


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# General content

## **Preventa XPS**

### Safety modules

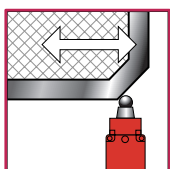
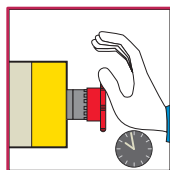
#### ■ **Type XPSABV,**

#### **For Emergency stop, switch and safety light curtain monitoring**

- Operating principle, ..... [page 2](#)
- References ..... [page 2](#)
- Schemes ..... [page 3](#)

#### ■ **Product reference index**

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#### Operating principle

Safety modules **XPSABV** 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 protection devices conforming to standard EN/ISO 14119.

They provide protective 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.

In addition to the stop category 0 instantaneous opening safety outputs (2 for **XPSABV**), the modules incorporate stop category 1 time delay outputs (1 for **XPSABV**) which allow for controlled deceleration of the motor components until a complete stop is achieved (for example, motor braking by variable speed drive).

At the end of the preset delay, the supply is disconnected by opening the time delay output circuits.

- The time delay of the 3 output circuits is adjustable between 0.15 and 3 seconds or 1.5 and 30 seconds, depending on the model, using a selector switch.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The Start button monitoring function is configurable depending on the wiring.

#### Maximum achievable safety level

- PL e/Category 4 (instantaneous safety outputs) and PL d/Category 3 (time delay safety outputs) conforming to EN/ISO 13849-1
- SILCL3 (instantaneous safety outputs) and SILCL2 (time delay safety outputs) conforming to EN/IEC 61508 and EN/IEC 62061

#### Product certifications

- UL
- CSA
- BG

#### References

Description	Connection	Number of safety circuits	Additional outputs	Setting range of time delay	Supply	Reference	Weight kg/lb
<b>Safety modules for Emergency stop and switch monitoring</b>	Captive screw clamp terminals Terminal block removable from module	3 NO (1 NO time delay)	—	0,15...3 s	— 24 V	<b>XPSABV1133P</b>	0.280/ 0.617
	Spring terminals Terminal block removable from module	3 NO (1 NO time delay)	—	0,15...3 s	— 24 V	<b>XPSABV1133C</b>	0.275/ 0.606
	Captive screw clamp terminals Terminal block removable from module	3 NO (1 NO time delay)	—	1,5...30 s	— 24 V	<b>XPSABV11330P</b>	0.280/ 0.617
	Spring terminals Terminal block removable from module	3 NO (1 NO time delay)	—	1,5...30 s	— 24 V	<b>XPSABV11330C</b>	0.275/ 0.606



XPSABV1133P



XPSABV11330C

# Preventa XPS

## Safety modules

### XPSABV 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 XPSABV  
For Emergency stop and switch monitoring

**Operating principle**

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	Captive screw clamp terminals Terminal block removable from module	3 NO (1 NO time delay)	—	1.5...30 s	24 V	<b>XPSABV11330P</b>	0.280 / 0.617

> Click on a partnumber, the hyperlink opens the web

> Click on "Documents & Download"

**XPSABV1133C**  
module XPSABV - stop and switch monitoring - 24 V AC/DC

Download your XPSABV1133C datasheet

Change your selection: Remove all

Safety module application: For emergency stop and switch monitoring

Output type: Relay instantaneous opening 2 NO, volt-free

[UN] rated supply voltage: 24 V DC (-15...10 %)

Connections - terminals: Spring terminals, removable terminal block

Number of additional outputs: 0

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

Main

Complementary

Environment

> Click on "Instruction sheet"

**Related documents**  
**XPSABV1133C**  
module XPSABV - stop and switch monitoring - 24 V AC/DC

Result: 2 documents

**Instruction sheet**

XPSABV1133C Safety Relay for monitoring EMERGENCY STOP circuits and Protective Guard

Refine your selection

☐ Product image

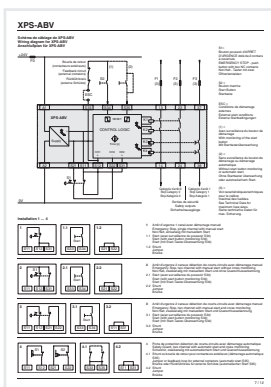
☒ Instruction sheet

☐ End of life manual

Embedded hyperlinks  
in catalogues



direct access to  
information on the internet



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X	
XPSABV1133C	2
XPSABV1133P	2
XPSABV11330C	2
XPSABV11330P	2



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

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