Preventa XPS

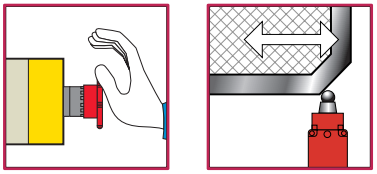
Safety modules

XPSAXE, XPSAC

For Emergency stop and switch monitoring - Category 0

Catalog

July 2019



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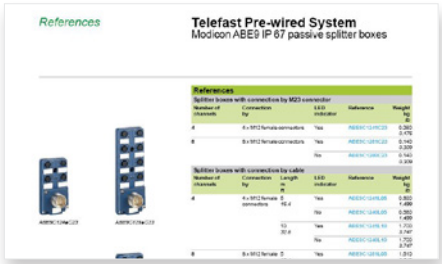

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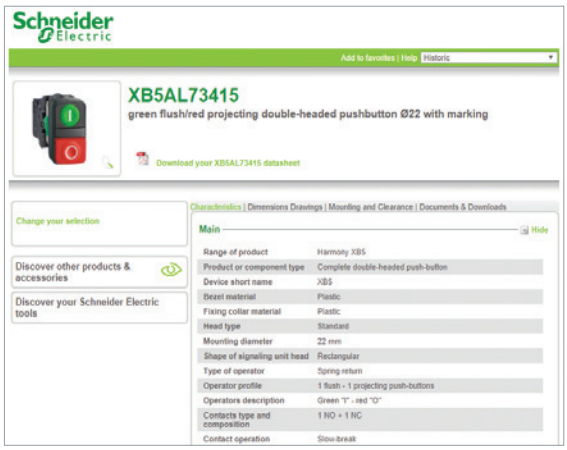

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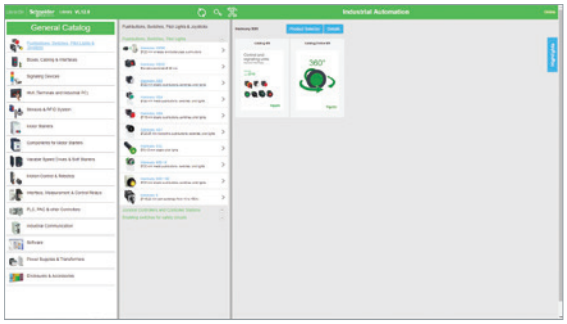

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General content

Preventa XPS

Safety modules

■ **Type XPSAXE,**
For Emergency stop and switch monitoring

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

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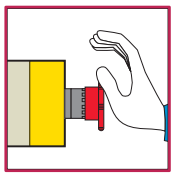
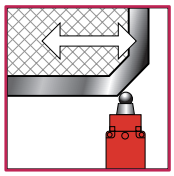
Preventa XPS
Safety modules
XPSAXE for Emergency stop and switch monitoring





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

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

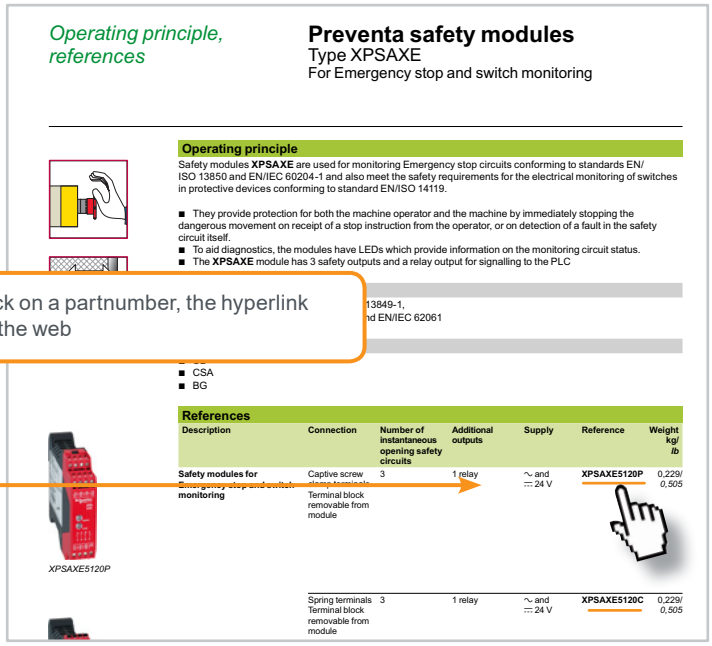
Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight kg/ *lb*
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals Terminal block removable from module	3	1 relay	∿ and ⎓ 24 V	XPSAXE5120P	0,229/ *0,505*
	Spring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



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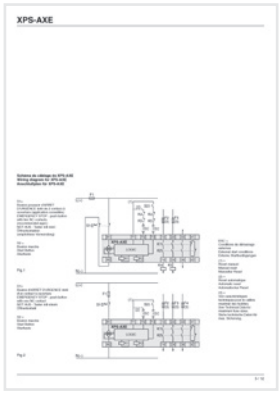

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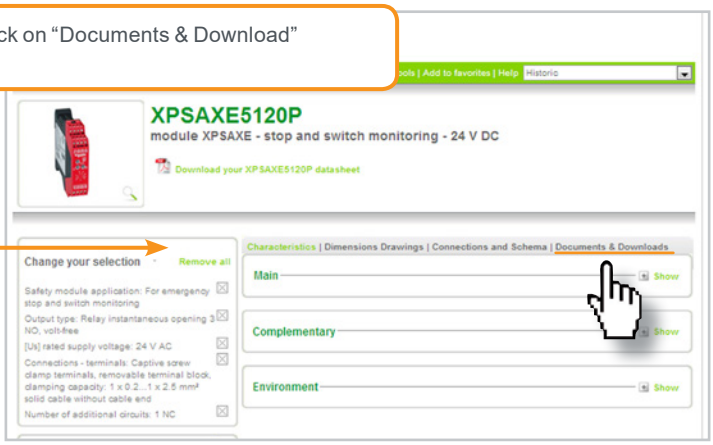

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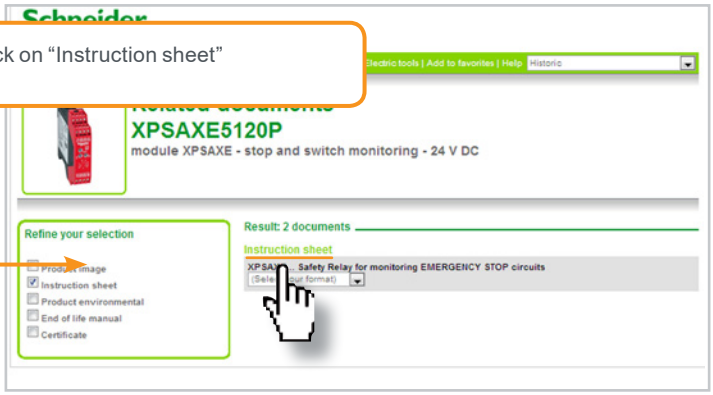
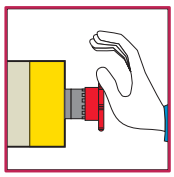
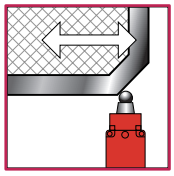


Preventa XPS
Safety modules
XPSAC for Emergency stop and switch monitoring





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.

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

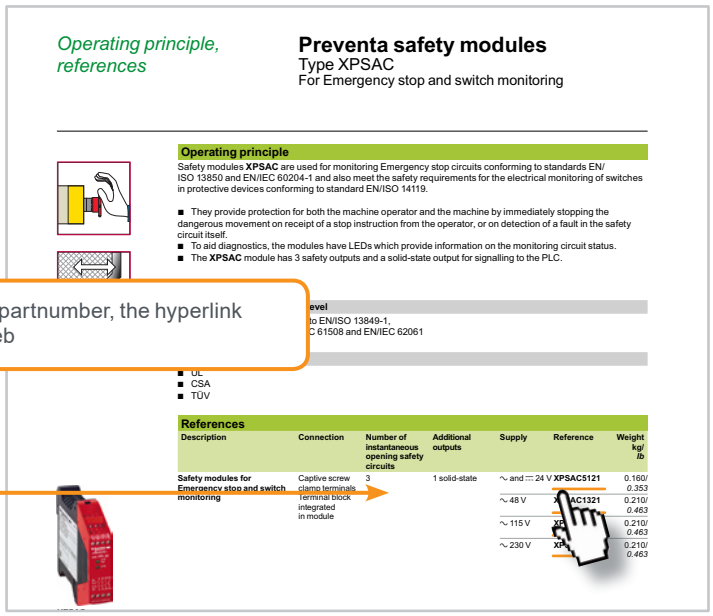
Description	Connection	Number of instantaneous opening safety circuits	Additional outputs	Supply	Reference	Weight kg/ *lb*
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals Terminal block integrated in module	3	1 solid-state	∿ and ⎓ 24 V	XPSAC5121	0.160/ *0.353*
				∿ 48 V	XPSAC1321	0.210/ *0.463*
				∿ 115 V	XPSAC3421	0.210/ *0.463*
				∿ 230 V	XPSAC3721	0.210/ *0.463*
	Captive screw clamp terminals Terminal block removable from module	3	1 solid-state	∿ and ⎓ 24 V	XPSAC5121P	0.160/ *0.353*
				∿ 48 V	XPSAC1321P	0.210/ *0.463*
				∿ 115 V	XPSAC3421P	0.210/ *0.463*
				∿ 230 V	XPSAC3721P	0.210/ *0.463*

XPSAC●●●●

XPSAC●●●●P

Preventa XPS
Safety modules
XPSAC for Emergency stop and switch monitoring

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



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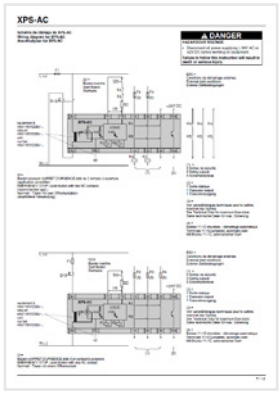

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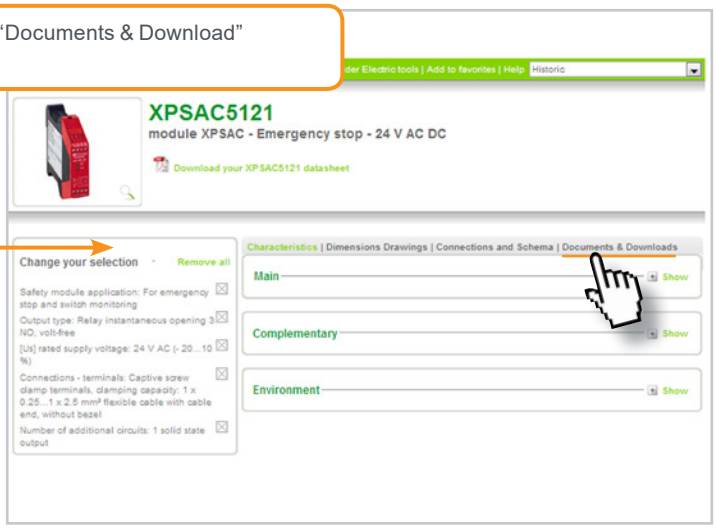

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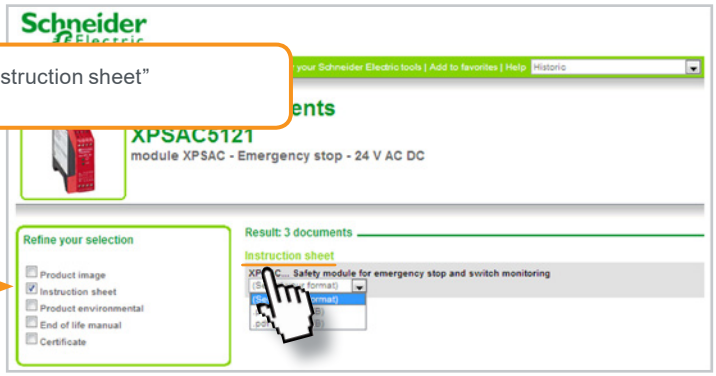

Preventa XPS
Safety modules
XPSAXE, XPSAC
For Emergency stop and switch monitoring - Category 0
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Schneider Electric Industries SAS

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

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