

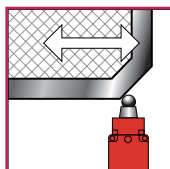
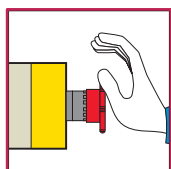
Preventa safety modules

XPSAK

For Emergency stop, switch,
sensing mat/edges
or safety light curtain monitoring

Catalogue

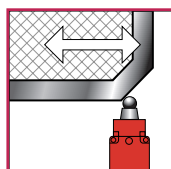
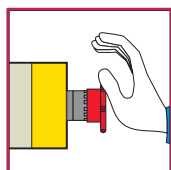
june 2014



Preventa safety modules

Type XPSAK

For Emergency stop, switch, sensing mat/edges or safety light curtain monitoring



Operating principle

Safety modules **XPSAK** meet the requirements of Performance Level PL e/Category 4 conforming to standard EN/ISO 13849-1.

They are used for:

- Monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1.
- Electrical monitoring of switches activated by protection devices, with optional selection of synchronisation time between signals.
- Monitoring 4-wire sensing mats or edges.
- Monitoring type 4 light curtains conforming to EN/IEC 61496-1 which have solid-state safety outputs with test function (light curtains XUSL).
- Housed in a compact enclosure, the modules have 3 safety outputs, a relay signalling output and 4 solid-state signalling outputs for signalling to the process PLC.
- Preventa safety modules **XPSAK●●●●P** incorporate removable terminal blocks, thus optimising machine maintenance.
- To aid diagnostics, the modules have 4 LEDs on the front face 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 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 safety circuits	Additional outputs / Solid-state outputs for PLC	Supply	Reference	Weight kg/ lb
Safety modules for Emergency stop, switch, sensing mat/edges or safety light curtain monitoring	Captive screw clamp terminals Terminal block integrated in module	3	1 / 4	~ and --- 24 V	XPSAK311144	0.300/ 0.661
				~ 110 V --- 24 V	XPSAK361144	0.400/ 0.882
				~ 120 V --- 24 V	XPSAK351144	0.400/ 0.882
				~ 230 V --- 24 V	XPSAK371144	0.400/ 0.882
	Captive screw clamp terminals Terminal block removable from module	3	1 / 4	~ and --- 24 V	XPSAK311144P	0.300/ 0.661
				~ 48 V	XPSAK331144P	0.300/ 0.661
				~ 110 V --- 24 V	XPSAK361144P	0.400/ 0.882
				~ 120 V --- 24 V	XPSAK351144P	0.400/ 0.882
				~ 230 V --- 24 V	XPSAK371144P	0.400/ 0.882



XPSAK311144

Preventa safety modules

Type XPSAK

For Emergency stop, switch, sensing mat/edges or safety light curtain monitoring

>> Wiring diagram and Functional Diagram are available on the “e-Shop” via the partnumber.

Operating principle, references

Preventa safety modules
Type XPSAK
For Emergency stop, switch, sensing mat/edges or safety light curtain monitoring

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Maximum achievable safety level

- PL e/Category 4 conforming to EN/ISO 13849-1, 1508 and EN/IEC 60204

References

Description	Connection	Number of safety circuits	Additional outputs / Solid-state outputs for PLC	Supply	Reference	Weight kg/lb
Safety modules for Emergency stop, switch, sensing mat/edges or safety light curtain monitoring	Captive screw clamp terminals integrated in module	3	1 / 4	~ and ~ 24 V	XPSAK311144	0.300 / 0.661
				~ 110 V ~ 24 V	XPSAK311144	0.400 / 0.882

> Click on a partnumber, the hyperlink opens the “e-Shop”

> Click on “Documents & Download”

XPSAK311144
module XPSAK - Emergency stop - 24 V AC DC

Download your XPSAK311144 datasheet

Change your selection Remove all

Safety module application: For emergency stop, switch, sensing mat/edges or safety light curtain monitoring

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

[Us] rated supply voltage: 24 V AC (-15...10 %)

Connections - terminals: Captive screw clamp terminals, clamping capacity: 2 x 0.5 - 2 x 1.5 mm² flexible cable with cable end, with double bezel

Number of additional circuits: 1 NC + 4 solid state outputs

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

Main Show

Complementary Show

Environment Show

> Click on “Instruction sheet”

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Refine your selection

- ☒ Product image
- ☒ Instruction sheet
- ☐ User guide
- ☐ Product environmental
- ☐ End of life manual
- ☐ Certificate

Result: 3 documents

Product image

Security module for emergency stop surveillance

(Select your format)

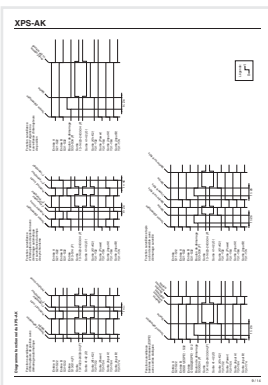
Instruction sheet

XPSAK311144 Safety module for Emergency stop, switch, sensing mat/edges or safety light curtain monitoring

(Select your format)

Embedded hyperlinks in catalogues

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direct access to information on the internet





More information on
<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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