



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSAK
Safety module application	For emergency stop, switch, sensing mat/edges or safety light curtain monitoring
Function of module	Monitoring of electro-sensitive protection equipment (ESPE) Monitoring of a movable guard associated with 2 switches and automatic start Monitoring of a movable guard Emergency stop monitoring 1-channel wiring Emergency stop with 2 NC contacts monitoring 2-channel wiring Multiple emergency stop monitoring 2-channel wiring Proximity sensor monitoring Sensing mat and edges monitoring
Safety level	Can reach PL e/category 4 conforming to EN/ISO 13849-1 Can reach SILCL 3 conforming to EN/IEC 62061
Safety reliability data	DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 154.5 years conforming to EN/ISO 13849-1 PFHd = 7.39E-9 1/h conforming to EN/IEC 62061
Type of start	Configurable
Connections - terminals	Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, with double bezel
Output type	Relay instantaneous opening 3 NO, volt-free
Number of additional circuits	1 NC + 4 solid state outputs
[Us] rated supply voltage	24 V AC (- 15...10 %) 24 V DC (- 15...10 %)

Complementary

Synchronisation time between inputs	2 or 4 s depending of wiring (automatic start) Unlimited (manual start)
Supply frequency	50/60 Hz
Power consumption in VA	<= 5 VA AC
Input protection type	Internal, electronic
[Uc] control circuit voltage	24 V DC
Line resistance	28 Ohm
Breaking capacity	C300: 180 VA, AC-15 (holding) relay output C300: 1800 VA, AC-15 (inrush) relay output
Breaking capacity	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	6 A per relay relay output
[Ith] conventional free air thermal current	18 A
Associated fuse rating	4 A fuse type gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fuse type fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200
Minimum output current	10 mA relay output
Minimum output voltage	17 V relay output
Response time on input open	<= 40 ms
[Ui] rated insulation voltage	300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1 300 V (degree of pollution: 2) conforming to IEC 60947-5-1
[Uimp] rated impulse withstand voltage	4 kV overvoltage category III conforming to IEC 60947-5-1 4 kV overvoltage category III conforming to DIN VDE 0110 part 1
Local signalling	4 LEDs
Current consumption	30 mA at 24 V AC (on power supply)
Mounting support	35 mm symmetrical DIN rail
Product weight	0.66 lb(US) (0.3 kg)

Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 13850
Product certifications	CSA TÜV UL
IP degree of protection	IP20 (terminals) conforming to EN/IEC 60529 IP40 (enclosure) conforming to EN/IEC 60529
Ambient air temperature for operation	14...131 °F (-10...55 °C)
Ambient air temperature for storage	-13...185 °F (-25...85 °C)

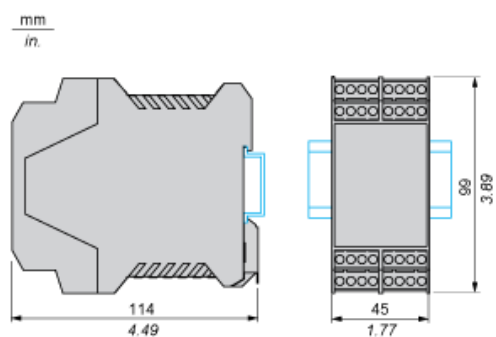
Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	00785901291657
Nbr. of units in pkg.	1
Package weight(Lbs)	0.8100000000000005
Returnability	Y
Country of origin	ID

Contractual warranty

Warranty period	18 months
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Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:

The screenshot shows the Schneider Electric website interface for the XPSAC5121 module. On the left, a sidebar titled 'Discover XPSAC5121 by' lists several categories: Characteristics, Dimensions Drawings, Connections and Schema, Technical Description, and Download & Documents. The 'Download & Documents' category is highlighted with a red box and a circled '1' below it. The main content area displays the product name 'XPSAC5121' and its description 'module XPSAC - Emergency stop - 24 V AC DC'. Below this, there is a link to 'Download XPSAC5121 product datasheet'. A 'Download & Documents' window is open, showing a list of documents. The 'Instruction sheet' section is highlighted with a red box and a circled '2' below it. The 'Instruction sheet' section lists the document 'XPSAC... Safety module for emergency stop and switch monitoring' in English, dated 2012-07-04, with a PDF icon and a download button. The 'Image of product' section shows a table with the title 'Emergency stop and switch monitoring', the date '2010-11-10', and a dropdown menu labeled '(Select :'. The 'Certificate' section shows a table with the title 'Russian certificate', the date 'English 2010-07-07', and a PDF icon with a download button.

Discover XPSAC5121 by

- Characteristics
- Dimensions Drawings
- Connections and Schema
- Technical Description
- Download & Documents

XPSAC5121
module XPSAC - Emergency stop - 24 V AC DC

Download XPSAC5121 product datasheet

Download & Documents 1 to 3 of 3 (Total: -1)

Instruction sheet

XPSAC... Safety module for emergency stop and switch monitoring	English 2012-07-04	pdf (29)
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Image of product

Emergency stop and switch monitoring	2010-11-10	(Select :)
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Certificate

Russian certificate	English 2010-07-07	pdf (60)
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- 1 Click on Download & Documents.
- 2 Click on Instruction sheet.