



### Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSATE
Safety module application	For emergency stop and switch monitoring
Function of module	Emergency stop button with 2 NC contacts
Safety level	Can reach SILCL 2 conforming to EN/IEC 62061 time delay safety outputs Can reach SILCL 3 conforming to EN/IEC 62061 instantaneous safety outputs Can reach PL e/category 4 conforming to EN/ISO 13849-1 instantaneous safety outputs Can reach PL d/category 3 conforming to EN/ISO 13849-1 time delay safety outputs
Safety reliability data	PFHd = 1.96E-8 1/h conforming to EN/IEC 62061 time delay safety outputs PFHd = 6.81E-9 1/h conforming to EN/IEC 62061 instantaneous safety outputs DC > 98.4 conforming to EN/ISO 13849-1 time delay safety outputs MTTFd = 54.5 years conforming to EN/ISO 13849-1 time delay safety outputs MTTFd = 134.8 years conforming to EN/ISO 13849-1 instantaneous safety outputs DC > 99 % conforming to EN/ISO 13849-1 instantaneous safety outputs
Type of start	Configurable
Connections - terminals	Captive screw clamp terminals (2 x 0.5...2 x 1.5 mm <sup>2</sup> )flexible cable with cable end, with double bezel Captive screw clamp terminals (2 x 0.25...2 x 1 mm <sup>2</sup> )flexible cable with cable end, with double bezel Captive screw clamp terminals (2 x 0.14...2 x 0.75 mm <sup>2</sup> )solid cable with cable end, with double bezel Captive screw clamp terminals (2 x 0.14...2 x 0.75 mm <sup>2</sup> )flexible cable with cable end, with double bezel Captive screw clamp terminals (1 x 0.25...1 x 2.5 mm <sup>2</sup> )flexible cable with cable end, with double bezel Captive screw clamp terminals (1 x 0.25...1 x 1.5 mm <sup>2</sup> )flexible cable with cable end, with double bezel Captive screw clamp terminals (1 x 0.14...1 x 2.5 mm <sup>2</sup> )solid cable with cable end, with double bezel Captive screw clamp terminals (1 x 0.14...1 x 2.5 mm <sup>2</sup> )flexible cable with cable end, with double bezel
Output type	Relay time delay opening 3 NO, volt-free Relay instantaneous opening 2 NO, volt-free
Number of additional circuits	3 solid state outputs
[Us] rated supply voltage	24 V DC (- 15...10 %)

### Complementary

Synchronisation time between inputs	75 ms
Supply frequency	50/60 Hz
Power consumption in W	<= 8 W
Input protection type	Internal, electronic
Time delay	Adjustable between 0 to 30 s
Control circuit voltage	24 V DC

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Breaking capacity	C300: 1800 VA, AC-15 (inrush) for relay output C300: 180 VA, AC-15 (holding) for relay output
Breaking capacity	1 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	5 A for instantaneous outputs 2.5 A for time delay outputs
[I <sub>th</sub> ] conventional free air thermal current	8 A
Associated fuse rating	6 A fuse type gG for instantaneous outputs conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 4 A fuse type gG for time delay outputs conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200
Minimum output current	10 mA for relay output
Minimum output voltage	17 V for relay output
Response time on input open	≤ 20 ms
[U <sub>i</sub> ] rated insulation voltage	300 V (degree of pollution: 2) conforming to IEC 60647-5-1, DIN VDE 0110 part 1
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV overvoltage category III conforming to IEC 60647-5-1, DIN VDE 0110 part 1
Local signalling	4 LEDs
Mounting support	35 mm symmetrical DIN rail
Product weight	0.28 kg

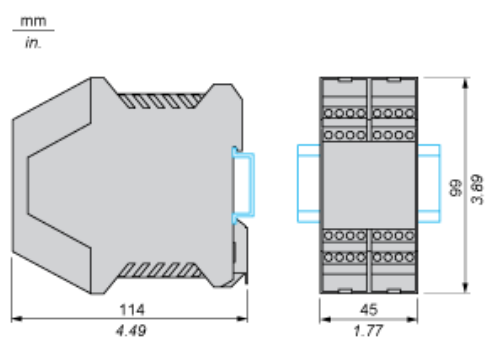
## Environment

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

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Dimensions

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## 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. At the top, there is a product image of a red emergency stop button and the text: **XPSAC5121** module XPSAC - Emergency stop - 24 V AC DC. Below this is a link: [Download XPSAC5121 product datasheet](#).

Below the product information, there is a section titled "Download & Documents 1 to 3 of 3 (Total: -1)". This section contains three categories: "Instruction sheet", "Image of product", and "Certificate".

- Instruction sheet:** A table with one row: "XPSAC... Safety module for emergency stop and switch monitoring" | "English 2012-07-04" | "pdf (25)".
- Image of product:** A table with one row: "Emergency stop and switch monitoring" | "2010-11-10" | "(Select :)".
- Certificate:** A table with one row: "Russian certificate" | "English 2010-07-07" | "pdf (60)".

On the left side of the page, there is a "Discover XPSAC5121 by" menu with the following options: Characteristics, Dimensions Drawings, Connections and Schema, Technical Description, and **Download & Documents** (highlighted with a red box). A line connects this menu item to a circled number 1.

A line connects the "Instruction sheet" row in the table to a circled number 2.

- 1 Click on Download & Documents.
- 2 Click on Instruction sheet.