



## Main

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Safety module name            | XPSATR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Safety module application     | For emergency stop and protective guard applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function of module            | Emergency stop monitoring 1-channel wiring<br>Emergency stop monitoring 2-channel wiring<br>Protective guard monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Safety level                  | Can reach PL e/category 4 conforming to EN/ISO 13849-1 instantaneous safety outputs<br>Can reach SILCL 3 conforming to EN/IEC 62061 time delay safety outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Safety reliability data       | DC > 99 % conforming to EN/ISO 13849-1<br>MTTFd = 85 years conforming to EN/ISO 13849-1<br>PFHd = 2E-9 1/h conforming to EN/IEC 62061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type of start                 | Automatic<br>Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Connections - terminals       | Cage clamp terminals, removable terminal block<br>Cage clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, with bezel<br>Cage clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, without bezel<br>Cage clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> solid or flexible cable without cable end<br>Cage clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1 mm <sup>2</sup> flexible cable with cable end, with bezel |
| Output type                   | Relay instantaneous opening 3 NO, volt-free<br>Relay time delay opening 3 NO, volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Number of additional circuits | 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [Us] rated supply voltage     | 24 V DC (- 15...10 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Complementary

|                                             |                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Synchronisation time between inputs         | 1 s                                                                                                             |
| Power consumption in W                      | 2.8 W DC                                                                                                        |
| Input protection type                       | Internal, electronic                                                                                            |
| Time delay range                            | 0.1...3 s                                                                                                       |
| [Uc] control circuit voltage                | 24 V DC                                                                                                         |
| Breaking capacity                           | 3 A at 24 V (DC-13) for relay output                                                                            |
| Output thermal current                      | 6 A instantaneous and time delay outputs                                                                        |
| [Ith] conventional free air thermal current | 8 A                                                                                                             |
| Associated fuse rating                      | 6 A fuse type gG for instantaneous and time delay outputs 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                 | <= 20 ms                                                                                                        |
| [Ui] rated insulation voltage               | 300 V                                                                                                           |
| [Uimp] rated impulse withstand voltage      | 4 kV overvoltage category III conforming to EN/IEC 60947-5-1, DIN VDE 0110 parts 1 & 2                          |
| Local signalling                            | 5 LEDs                                                                                                          |
| Mounting support                            | 35 mm symmetrical DIN rail                                                                                      |
| Product weight                              | 0.73 lb(US) (0.33 kg)                                                                                           |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the company mentioned herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

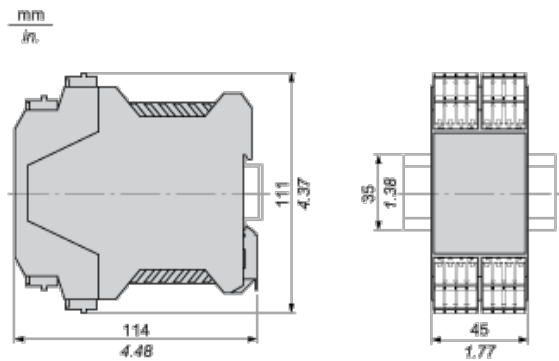
Environment

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| standards                             | EN 60204-1<br>EN/IEC 60947-5-1<br>EN/IEC 61496-1<br>EN/ISO 13849-1<br>EN 62061<br>EN 50156-1 |
| product certifications                | CSA<br>TÜV<br>UL                                                                             |
| IP degree of protection               | IP20 (terminals) conforming to EN/IEC 60529<br>IP40 (enclosure) conforming to EN/IEC 60529   |
| ambient air temperature for operation | -13...131 °F (-25...55 °C)                                                                   |
| ambient air temperature for storage   | -13...167 °F (-25...75 °C)                                                                   |

Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:



**XPSAC5121**  
module XPSAC - Emergency stop - 24 V AC DC

[Download XPSAC5121 product datasheet](#)

Discover XPSAC5121 by

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

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) |
|-----------------------------------------------------------------|--------------------|----------|

**Image of product**

|                                      |            |              |
|--------------------------------------|------------|--------------|
| Emergency stop and switch monitoring | 2010-11-10 | [Select : v] |
|--------------------------------------|------------|--------------|

**Certificate**

|                     |                    |          |
|---------------------|--------------------|----------|
| Russian certificate | English 2010-07-07 | pdf (60) |
|---------------------|--------------------|----------|

1

2

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