

# XPSAXE5120C

module XPSAXE - stop and switch monitoring -  
24 V DC



## Main

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Safety module name            | XPSAXE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Safety module application     | For emergency stop and switch monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Safety level                  | Can reach PL e/category 4 conforming to EN/ISO 13849-1<br>Can reach SILCL 3 conforming to EN/IEC 62061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Safety reliability data       | DC > 99 % conforming to EN/ISO 13849-1<br>PFHd = 3E-8 1/h conforming to EN/IEC 62061<br>MTTFd = 457 years conforming to EN/ISO 13849-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Connections - terminals       | Spring terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> solid cable without cable end<br>Spring terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> flexible cable without cable end<br>Spring 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>Spring 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>Spring terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Spring terminals, removable terminal block |
| Output type                   | Relay instantaneous opening 3 NO, volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of additional circuits | 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [Us] rated supply voltage     | 24 V AC<br>24 V DC (- 15...10 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Complementary

|                                     |                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------|
| Synchronisation time between inputs | < 0.5 s                                                                                            |
| Supply frequency                    | 50/60 Hz                                                                                           |
| Power consumption in VA             | <= 4 VA DC                                                                                         |
| Control circuit voltage             | 24 V DC                                                                                            |
| Breaking capacity                   | B300 : 3600 VA, AC-15 (inrush) for relay output<br>B300 : 360 VA, AC-15 (holding) for relay output |

|                                        |                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Breaking capacity                      | 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output                                                                    |
| Output thermal current                 | 6 A for instantaneous and time delay outputs                                                                                   |
| Associated fuse rating                 | 6 A fuse type gG for instantaneous outputs                                                                                     |
| Minimum output current                 | 10 mA for relay output                                                                                                         |
| Minimum output voltage                 | 17 V for relay output                                                                                                          |
| Response time on input open            | <= 80 ms                                                                                                                       |
| [Ui] rated insulation voltage          | 300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1<br>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<br>4 kV overvoltage category III conforming to DIN VDE 0110 part 1   |
| Local signalling                       | 2 LEDs                                                                                                                         |
| Mounting support                       | 35 mm symmetrical DIN rail                                                                                                     |
| Product weight                         | 0.229 kg                                                                                                                       |

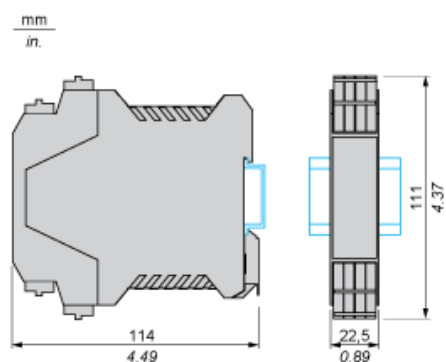
## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60947-5-1<br>EN/ISO 13850<br>EN/IEC 60204-1 |
| Product certifications                | UL<br>CSA<br>BG                                                         |
| IP degree of protection               | IP40 conforming to EN/IEC 60529<br>IP20 conforming to EN/IEC 60529      |
| Ambient air temperature for operation | -25...55 °C                                                             |
| Ambient air temperature for storage   | -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) |
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**Image of product**

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

**Certificate**

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

1

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