

# Product data sheet

Specifications



## module XPSAC - Emergency stop - 24 V AC DC

XPSAC5121

### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Preventa Safety automation   |
| Product or component type     | Preventa safety module   |
| Safety module name            | XPSAC  |
| Safety module application     | For emergency stop and switch monitoring   |
| Function of module            | Emergency stop<br>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       | MTTFd = 210.4 years conforming to EN/ISO 13849-1<br>DC > 99 % conforming to EN/ISO 13849-1<br>PFHd = 3.56E-9 1/h conforming to EN/IEC 62061  |
| Type of start                 | Unmonitored  |
| Connections - terminals       | Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm² flexible without cable end<br>Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm² solid without cable end<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm² flexible with cable end, with bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm² flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² flexible without cable end<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² solid without cable end<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm² flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm² flexible with cable end, with double bezel |
| Output type                   | Relay instantaneous opening, 3 NO circuit(s), volt-free  |
| Number of additional circuits | 1 solid state output   |
| [Us] rated supply voltage     | 24 V AC - 20...10 %<br>24 V DC - 20...20 %   |

### Complementary

|                                 |   |
|---------------------------------|---|
| Supply frequency                | 50/60 Hz  |
| Maximum power consumption in W  | 1.2 W DC  |
| Maximum power consumption in VA | 2.5 VA AC   |
| [Uc] control circuit voltage    | 24 V  |
| Breaking capacity               | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 relay output<br><br>1.5 A at 24 V (DC-13) time constant: 50 ms for relay output |
| Output thermal current          | 6 A per relay for relay output  |

|   |   |
|---|---|
| [Ith] conventional free air thermal current | 10.5 A  |
| Associated fuse rating                      | 4 A gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 10 mA for relay output  |
| Minimum output voltage                      | 16 V for relay output   |
| Maximum response time on input open         | 100 ms  |
| [Ui] rated insulation voltage               | 300 V (pollution degree 2) conforming to IEC 60947-5-1<br>300 V (pollution degree 2) conforming to DIN VDE 0110 part 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  |
| Current consumption                         | 40 mA at 24 V DC on power supply<br>90 mA at 24 V AC on power supply  |
| Mounting support                            | 35 mm symmetrical DIN rail  |
| Net weight                                  | 0.16 kg   |

## Environment

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

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 3.0 cm   |
| Package 1 Width              | 10.4 cm  |
| Package 1 Length             | 12.0 cm  |
| Package 1 Weight             | 196.0 g  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 16       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 3.478 kg |
| Unit Type of Package 3       | P06      |
| Number of Units in Package 3 | 512      |
| Package 3 Height             | 77.0 cm  |
| Package 3 Width              | 60.0 cm  |
| Package 3 Length             | 80.0 cm  |

|                  |           |
|------------------|-----------|
| Package 3 Weight | 115.54 kg |
|------------------|-----------|

Offer Sustainability


|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| PVC free                   | Yes   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Contractual warranty

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

Recommended replacement(s)

XPSAC5121 is replaced by:

|    |   |  |
|----|---|--|
| 1x |  | Estop or guard ,Harmony XPS, connected to supply terminals 24 V AC/DC , no inputs, screw<br>XPSBAC14AP |
|----|---|--|