

# Product data sheet

Specifications



## module XPSAK - Emergency stop - 230 V AC

XPSAK371144

⚠ Discontinued on: Jun 30, 2021

⚠ To be end-of-service on: Dec 31, 2025

⚠ Discontinued - Service only

### 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            | Multiple emergency stop monitoring 2-channel wiring<br>Proximity sensor monitoring<br>Monitoring of a movable guard<br>Sensing mat and edges monitoring<br>Emergency stop with 2 NC contacts monitoring 2-channel wiring<br>Emergency stop monitoring 1-channel wiring<br>Monitoring of a movable guard associated with 2 switches and automatic start<br>Monitoring of electro-sensitive protection equipment (ESPE)   |
| 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>MTTFd = 154.5 years conforming to EN/ISO 13849-1<br>PFHd = 7.39E-9 1/h conforming to EN/IEC 62061   |
| Type Of Start                 | Configurable  |
| Connections - Terminals       | Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm <sup>2</sup> flexible with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible with cable end, with double bezel |
| Output Type                   | Relay instantaneous opening, 3 NO circuit(s), volt-free   |
| Number Of Additional Circuits | 1 NC + 4 solid state outputs  |
| [Us] Rated Supply Voltage     | 230 V AC - 15...10 %<br>24 V DC - 15...10 %   |

### Complementary

|                                     |  |
|-------------------------------------|--|
| Synchronisation Time Between Inputs | Unlimited (manual start)<br>2 or 4 s depending of wiring (automatic start) |
| Supply Frequency                    | 50/60 Hz   |

Disclaimer: 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

|   |   |
|---|---|
| Maximum Power Consumption In Va             | 6 VA AC   |
| Input Protection Type                       | Internal, electronic  |
| [Uc] Control Circuit Voltage                | 24 V DC   |
| Maximum Line Resistance                     | 28 Ohm  |
| Breaking Capacity                           | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 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 for relay output  |
| [Ith] Conventional Free Air Thermal Current | 18 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                      | 17 V for relay output   |
| Maximum Response Time On Input Open         | 40 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                            | 4 LEDs  |
| Current Consumption                         | 30 mA at 24 V AC on power supply  |
| Mounting Support                            | 35 mm symmetrical DIN rail  |
| Net Weight                                  | 0.4 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/ISO 13850<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>EN/IEC 60204-1                    |
| Product Certifications                | CSA<br>UL<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             | 6.2 cm  |
| Package 1 Width              | 12.5 cm |
| Package 1 Length             | 10.5 cm |
| Package 1 Weight             | 465.0 g |
| Unit Type Of Package 2       | S02     |

|                              |          |
|------------------------------|----------|
| Number Of Units In Package 2 | 12       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 6.056 kg |

## Contractual warranty

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

## Sustainability

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Pvc Free

## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| 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> |

Dimensions Drawings

Dimensions

