# Product datasheet

Specifications

Green Premium™

## module XPSAK - Emergency stop - 120 V AC

XPSAK351144

To be discontinued on: Sep 4, 2027

To be end-of-service on: Sep 4, 2033

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** | Monitoring of a movable guard associated with 2 switches and automatic start<br>Sensing mat and edges monitoring<br>Proximity sensor monitoring<br>Monitoring of electro-sensitive protection equipment (ESPE)<br>Multiple emergency stop monitoring 2-channel wiring<br>Monitoring of a movable guard<br>Emergency stop with 2 NC contacts monitoring 2-channel wiring<br>Emergency stop monitoring 1-channel wiring |
| **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 mm² flexible with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm² solid with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm² flexible with cable end, with double bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm² flexible with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² flexible with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² solid with cable end, with double bezel<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm² flexible with cable end, with double 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 NC + 4 solid state outputs |
| **[Us] Rated Supply Voltage** | 120 V AC - 15...10 %<br>24 V DC - 15...10 % |

## Complementary

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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 60204-1<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-1 |
| **Product Certifications** | UL<br>TÜV<br>CSA |
| **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** | 6.5 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** | 6.09 kg |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

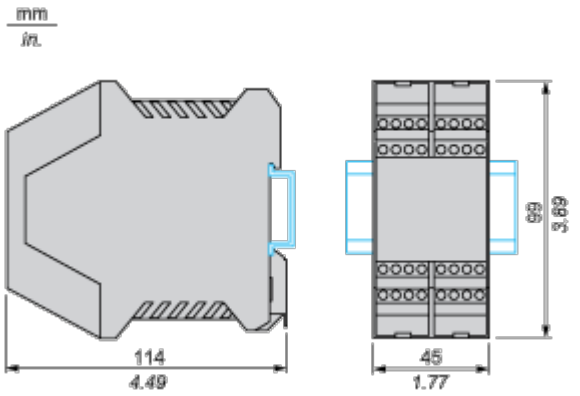
Transparency RoHS/REACh

## Well-being performance

| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Pvc Free | |

## Certifications & Standards

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

## Dimensions Drawings

### Dimensions