



## Main

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Safety module name            | XPSAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Safety module application     | For emergency stop, switch and safety light curtain monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function of module            | Monitoring of a movable guard<br>Monitoring of a movable guard associated with 2 switches and automatic start<br>Emergency stop with 2 NC contacts monitoring 2-channel wiring<br>Multiple emergency stop monitoring 2-channel wiring<br>Monitoring of electro-sensitive protection equipment (ESPE)<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 = 277.8 years conforming to EN/ISO 13849-1<br>PFHd = 2.22E-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, 7 NO circuit(s), volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Number of additional circuits | 2 NC + 4 solid state outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Us] rated supply voltage     | 115 V AC - 15...10 %<br>24 V DC - 15...10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Complementary

|                                     |                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------|
| Synchronisation time between inputs | 100 ms                                                                           |
| Supply frequency                    | 50/60 Hz                                                                         |
| Maximum power consumption in W      | 4 W DC                                                                           |
| Maximum power consumption in VA     | 9 VA AC                                                                          |
| Input protection type               | Internal, electronic                                                             |
| [Uc] control circuit voltage        | 24 V DC                                                                          |
| Maximum line resistance             | 50 Ohm                                                                           |
| Breaking capacity                   | 360 VA holding AC-15 C300 relay output<br>3600 VA inrush AC-15 C300 relay output |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the performance of the products contained 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.

|                                             |                                                                                                                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Breaking capacity                           | 20 MA at 24 V<br>2 A at 24 V (DC-13) time constant: 50 ms for relay output                                                                                                   |
| Output thermal current                      | 10 A per relay for relay output                                                                                                                                              |
| [Ith] conventional free air thermal current | 40 A                                                                                                                                                                         |
| Associated fuse rating                      | 10 A fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 170 mA for relay output                                                                                                                                                      |
| Minimum output voltage                      | 17 V for relay output                                                                                                                                                        |
| Maximum response time on input open         | 20 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                         | 20 mA at 24 V DC on power supply                                                                                                                                             |
| Mounting support                            | 35 mm symmetrical DIN rail                                                                                                                                                   |
| Net weight                                  | 0.4 kg                                                                                                                                                                       |

## Environment

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>EN/ISO 13850<br>EN 1088/ISO 14119                    |
| 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 Weight             | 690 g    |
| Package 1 Height             | 12.6 cm  |
| Package 1 width              | 10.6 cm  |
| Package 1 Length             | 11 cm    |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 9.075 kg |
| Package 2 Height             | 30 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

## 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)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</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                                                                                                                         |

### Contractual warranty

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

## Dimensions

