



### Main

|                               |  |
|-------------------------------|--|
| Range of Product              | Preventa Safety automation   |
| Product or Component Type     | Preventa safety module   |
| Safety module name            | XPSBA  |
| Safety module application     | For electrical monitoring of two-hand control stations   |
| Function of module            | Monitoring two-hand control station  |
| Safety level                  | Can reach PL c/category 1 EN/ISO 13849-1   |
| Safety reliability data       | MTTFd = 160.8 years EN/ISO 13849-1<br>PFHd = 7.1E-7 1/h EN/IEC 62061   |
| Connections - terminals       | Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible without cable end<br>Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid without cable end<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible with cable end, with bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible without cable end<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid without cable end<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm <sup>2</sup> flexible with cable end, without 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, 1 NO, volt-free   |
| Number of additional circuits | 1 NC   |
| [Us] Rated Supply Voltage     | 24 V AC - 20...10 %<br>24 V DC - 20...20 %   |

### Complementary

|   |   |
|---|---|
| Synchronisation time between inputs         | 0.5 s   |
| Supply frequency                            | 50/60 Hz  |
| Power Consumption in VA                     | 20 VA   |
| Input protection type                       | Internal, electronic  |
| Number of Inputs                            | 1 NC + NO   |
| Input voltage                               | 18 V  |
| Input current                               | 30 mA   |
| Input compatibility                         | Two-hand control EN 574/ISO 13851-III A   |
| [Uc] control circuit voltage                | 24 V DC   |
| Breaking capacity                           | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 relay output  |
| Breaking capacity                           | 1.5 A 24 V DC-13)50 ms relay output   |
| [Ith] conventional free air thermal current | 5 A   |
| Associated fuse rating                      | 4 A gG relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A fast blow relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 10 mA relay output  |
| Minimum output voltage                      | 17 V relay output   |
| Maximum response time on input open         | 25 ms   |
| [Ui] rated insulation voltage               | 300 V 2)IEC 60947-5-1<br>300 V 2)DIN VDE 0110 part 1  |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

|  |  |
|--|--|
| [Uimp] rated impulse withstand voltage | 4 KV III IEC 60947-5-1<br>4 kV III DIN VDE 0110 part 1 |
| Local signalling                       | 2 LEDs   |
| Mounting Support                       | 35 mm symmetrical DIN rail                             |
| Net Weight                             | 0.44 lb(US) (0.2 kg)                                   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-5-1<br>EN 574 type III A/ISO 13851<br>EN/IEC 60204-1 |
| Product certifications                | CSA<br>UL<br>TÜV  |
| IP degree of protection               | IP20 terminals)EN/IEC 60529<br>IP40 enclosure)EN/IEC 60529        |
| Ambient Air Temperature for Operation | 14...131 °F (-10...55 °C)   |
| Ambient Air Temperature for Storage   | -13...185 °F (-25...85 °C)  |

## Ordering and shipping details

|                     |                                 |
|---------------------|---------------------------------|
| Category            | 22477-SAFETY MODULES (PREVENTA) |
| Discount Schedule   | SAF2                            |
| GTIN                | 00785901193746                  |
| Package weight(Lbs) | 0.36 lb(US) (0.164 kg)          |
| Returnability       | No                              |
| Country of origin   | ID                              |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.300 dm |
| Package 1 width  | 1.300 dm |
| Package 1 Length | 0.850 dm |

## Contractual warranty

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

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