

Product availability : Stock - Normally stocked in distribution facility

Price\* : 780.00 USD



### 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 electro-sensitive protection equipment (ESPE)<br>Monitoring of a movable guard associated with 2 switches and automatic start<br>Monitoring of a movable guard<br>Emergency stop monitoring 1-channel wiring<br>Emergency stop with 2 NC contacts monitoring 2-channel wiring<br>Multiple emergency stop monitoring 2-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, clamping capacity: 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid cable with cable end, with double bezel<br>Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm <sup>2</sup> flexible cable with cable end, with double bezel |
| Output type                   | Relay instantaneous opening 7 NO, volt-free   |
| Number of additional circuits | 2 NC + 4 solid state outputs  |

|                           |  |
|---------------------------|--|
| [Us] rated supply voltage | 24 V AC (- 15...10 %)<br>24 V DC (- 15...10 %) |
|---------------------------|--|

## Complementary

|   |  |
|---|--|
| Synchronisation time between inputs         | 100 ms   |
| Supply frequency                            | 50/60 Hz   |
| Power consumption in W                      | <= 4 W DC  |
| Power consumption in VA                     | <= 7 VA AC   |
| Input protection type                       | Internal, electronic   |
| Control circuit voltage                     | 24 V DC  |
| Line resistance                             | 50 Ohm   |
| Breaking capacity                           | C300: 360 VA, AC-15 (holding) relay output<br>C300: 3600 VA, AC-15 (inrush) relay output   |
| 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 relay output  |
| [Ith] conventional free air thermal current | 40 A   |
| Associated fuse rating                      | 10 A fuse type fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A fuse type 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 relay output  |
| Response time on input open                 | <= 20 ms   |
| [Ui] rated insulation voltage               | 300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1<br>300 V (degree of pollution: 2) conforming to IEC 60947-5-1   |
| [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   |
| Product weight                              | 0.66 lb(US) (0.3 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 13850                    |
| Product certifications                | CSA<br>TÜV<br>UL   |
| IP degree of protection               | IP20 (terminals) conforming to EN/IEC 60529<br>IP40 (enclosure) conforming to 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                  | 00785901669487                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 0.6600000000000003                |
| Returnability         | N                                 |
| Country of origin     | ID                                |

## Contractual warranty

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| Warranty period | 18 months |
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