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| 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 | Emergency stop monitoring 1-channel wiring Emergency stop with 2 NC contacts monitoring 2-channel wiring Monitoring of electro-sensitive protection equipment (ESPE) Monitoring of a movable guard associated with 2 switches and automatic start Multiple emergency stop monitoring 2-channel wiring Monitoring of a movable guard |
| Safety level | Can reach PL e/category 4 conforming to EN/ISO 13849-1 Can reach SILCL 3 conforming to EN/IEC 62061 |
| Safety reliability data | DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 277.8 years conforming to EN/ISO 13849-1 PFHd = 2.22E-9 1/h conforming to EN/IEC 62061 |
| Type of start | Configurable |
| Connections - terminals | Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm ² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm ² solid with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm ² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1 mm ² solid with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1.5 mm ² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.25...2 x 1 mm ² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.5...2 x 1.5 mm ² 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...15 % 24 V DC - 15...10 % |

Complementary

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| 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 |

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| Maximum line resistance | 50 Ohm |
| Breaking capacity | 360 VA holding AC-15 C300 relay output 3600 VA inrush AC-15 C300 relay output |
| Breaking capacity | 20 MA at 24 V 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 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 60947-5-1 300 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 4 kV overvoltage category III conforming to DIN VDE 0110 part 1 |
| Local signalling | 4 LEDs |
| Current consumption | 30 mA at 24 V DC on power supply |
| Mounting support | 35 mm symmetrical DIN rail |
| Net weight | 0.4 kg |

Environment

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| Standards | EN/ISO 13850 EN/IEC 60204-1 EN 1088/ISO 14119 EN/IEC 60947-5-1 |
| Product certifications | CSA[RETURN]UL[RETURN]TÜV |
| IP degree of protection | IP20 (terminals) conforming to EN/IEC 60529 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

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 10.4 cm |
| Package 1 Width | 11.0 cm |
| Package 1 Length | 12.6 cm |
| Package 1 Weight | 726.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 9.447 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |

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|---------------------------|---|
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |
| 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 www.P65Warnings.ca.gov |

Contractual warranty

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| Warranty | 18 months |
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Dimensions

