



Main

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| Range of product | Preventa Safety automation |
| Product or component type | Preventa safety module |
| Safety module name | XPSAF |
| Safety module application | For emergency stop, switch and safety light curtain monitoring |
| Function of module | Monitoring of electro-sensitive protection equipment (ESPE) Monitoring of a movable guard Emergency stop monitoring 1-channel wiring Emergency stop with 2 NC contacts monitoring 2-channel wiring Multiple emergency stop monitoring 2-channel wiring |
| 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 = 172.1 years conforming to EN/ISO 13849-1 PFHd = 5.61E-9 1/h conforming to EN/IEC 62061 |
| Type of start | Unmonitored |
| Connections - terminals | Captive screw clamp terminals, clamping capacity: 2 x 0.5...2 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, with double bezel |
| Output type | Relay instantaneous opening 3 NO, volt-free |
| Number of additional circuits | 0 |
| [Us] rated supply voltage | 24 V AC (- 15...10 %) 24 V DC (- 15...10 %) |

Complementary

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| Synchronisation time between inputs | Unlimited |
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| Supply frequency | 50/60 Hz |
| Power consumption in VA | <= 5 VA AC |
| Input protection type | Internal, electronic |
| [Uc] control circuit voltage | 24 V |
| Line resistance | 90 Ohm |
| Breaking capacity | C300 : 180 VA, AC-15 (holding) for relay output C300 : 1800 VA, AC-15 (inrush) for 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 fuse type gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fuse type 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 |
| Response time on input open | <= 40 ms |
| [Ui] rated insulation voltage | 300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1 300 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 4 kV overvoltage category III conforming to DIN VDE 0110 part 1 |
| Local signalling | 3 LEDs |
| Current consumption | 30 mA at 24 V AC (on power supply) |
| Mounting support | 35 mm symmetrical DIN rail |
| Product weight | 0.25 kg |

Environment

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| Standards | EN 1088/ISO 14119 EN 60204-1 EN/IEC 60947-5-1 EN/IEC 61496-1 (type 4) EN/ISO 13850 |
| Product certifications | CSA TÜV UL |
| 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 |

Contractual warranty

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| Warranty period | 18 months |
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Dimensions

