



Main

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| Range of product | Preventa Safety automation |
| Product or component type | Preventa safety module |
| Safety module name | XPSVNE |
| Safety module application | For zero speed detection |
| Function of module | Monitoring 3-phase motor with variable number of poles and star-delta starting Monitoring 3-phase motor + variable speed drive Monitoring 3-phase motor with star-delta starting Monitoring 3-phase motor Monitoring dc motor Monitoring XPS AK Monitoring star-delta motor starter and guard switch type XCS E |
| Safety level | Can reach PL d/category 3 conforming to EN/ISO 13849-1 Can reach SILCL 2 conforming to EN/IEC 62061 |
| Safety reliability data | MTTFd = 124.1 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 PFHd = 9.26E-9 1/h conforming to EN/IEC 62061 |
| [Us] rated supply voltage | 115 V AC (- 15...15 %) |
| Output type | Relay 1 NO + 1 NC, volt-free |
| Number of additional circuits | 2 solid state outputs |

Complementary

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| Product destination | For motor power supply > 60 Hz |
| Power consumption in VA | <= 7.5 VA |
| Input voltage | 500 Vrms |
| Input detection threshold | 0.01...0.1 V |
| Breaking capacity | C300 : holding 180 VA AC-15 for relay output C300 : inrush 1800 VA AC-15 for relay output |
| Breaking capacity | 10 mA / 48 V for solid state output circuit 20 mA / 24 V for solid state output circuit 1.5 A / 24 V - L/R = 50 ms, DC-13 for NO relay output circuit 1.2 A / 24 V - L/R = 50 ms, DC-13 for NC relay output circuit |
| [Ith] conventional free air thermal current | <= 2.5 A for relay output |
| Associated fuse rating | 4 A gG for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current | 10 mA for relay output |

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| Minimum output voltage | 17 V for relay output |
| [Ui] rated insulation voltage | 300 V, degree of pollution 2 conforming to IEC 60947-5-1 300 V, degree of pollution 2 conforming to DIN VDE 0110 parts 1 and 2 |
| [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 parts 1 and 2 |
| Local signalling | 4 LEDs |
| Connections - terminals | Captive screw clamp terminals, removable terminal block flexible cable : 0.2...1.5 mm ² without cable end, 2 wires Captive screw clamp terminals, removable terminal block flexible cable : 0.2...2.5 mm ² without cable end, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.25...1 mm ² with cable end, without bezel, 2 wires Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm ² with cable end, with bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm ² with cable end, without bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.5...1.5 mm ² with cable end, with double bezel, 2 wires Captive screw clamp terminals, removable terminal block solid cable : 0.2...1 mm ² without cable end, 2 wires Captive screw clamp terminals, removable terminal block solid cable : 0.2...2.5 mm ² without cable end, 1 wire |
| Mounting support | 35 mm symmetrical DIN rail |
| Depth | 114 mm |
| Height | 99 mm |
| Width | 45 mm |
| Product weight | 0.6 kg |

Environment

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| Standards | EN/IEC 60204-1 EN/IEC 60947-5-1 |
| 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

