# *Product datasheet*
*Characteristics*

# XPSABV1133P
module XPSABV - stop and switch monitoring - 24 V AC/DC

## Main

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|---|---|
| Range of product | Preventa Safety automation |
| Product or component type | Preventa safety module |
| Safety module name | XPSABV |
| Safety module application | For emergency stop and switch monitoring |
| Safety level | Can reach PL d/category 3 conforming to EN/ISO 13849-1 time delay safety outputs<br>Can reach PL e/category 4 conforming to EN/ISO 13849-1 instantaneous safety outputs<br>Can reach SILCL 3 conforming to EN/IEC 62061 instantaneous safety outputs<br>Can reach SILCL 2 conforming to EN/IEC 62061 time delay safety outputs |
| Safety reliability data | MTTFd = 53 years conforming to EN/ISO 13849-1 instantaneous safety outputs<br>MTTFd = 53 years conforming to EN/ISO 13849-1 time delay safety outputs<br>DC > 99 % conforming to EN/ISO 13849-1 instantaneous safety outputs<br>DC = 60...90 % conforming to EN/ISO 13849-1 time delay safety outputs<br>PFHd = 3E-8 1/h conforming to EN/IEC 62061 instantaneous safety outputs<br>PFHd = 2E-7 1/h conforming to EN/IEC 62061 time delay safety outputs |
| Connections - terminals | Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm² solid cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm² flexible cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm² flexible cable with cable end, without bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm² flexible cable with cable end, with bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm² solid cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm² flexible cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.25...2 x 1 mm² flexible cable with cable end, without bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1 mm² flexible cable with cable end, with double bezel |
| Output type | Relay instantaneous opening 2 NO, volt-free<br>Relay time delay opening 1 NO, volt-free |
| Number of additional circuits | 0 |
| [Us] rated supply voltage | 24 V DC (- 15...10 %) |

## Complementary

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|---|---|
| Synchronisation time between inputs | < 0.5 s |
| Power consumption in W | <= 3 W DC |
| Input protection type | Internal, electronic |
| Time delay range | 0.15...3 s<br>1.5...30 s |
| [Uc] control circuit voltage | 24 V DC |

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.
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| Breaking capacity | B300 : 3600 VA, AC-15 (inrush)<br>B300 : 360 VA, AC-15 (holding) |
| Breaking capacity | 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output |
| Output thermal current | 6 A for instantaneous and time delay outputs |
| [Ith] conventional free air thermal current | 12 A |
| Associated fuse rating | 6 A fuse type gG for instantaneous and time delay outputs 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 | <= 200 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 | 3 LEDs |
| Mounting support | 35 mm symmetrical DIN rail |
| Product weight | 0.28 kg |

## Environment

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|---|---|
| standards | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 13850 |
| product certifications | BG<br>CSA<br>UL |
| IP degree of protection | IP40 conforming to EN/IEC 60529<br>IP20 conforming to EN/IEC 60529 |
| ambient air temperature for operation | -25...55 °C |
| ambient air temperature for storage | -25...75 °C |

## Contractual warranty

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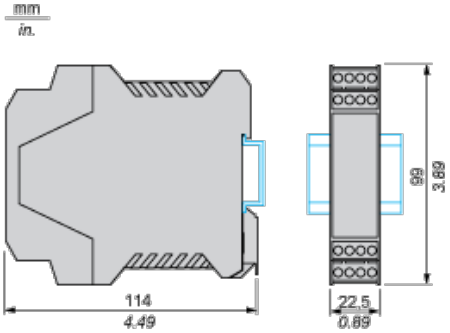
| Warranty period | 18 months |

## Dimensions