



Main

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|-------------------------------|---|
| Range of product | Preventa Safety detection |
| Product or component type | Safety module |
| Safety module name | XPSCM |
| Safety module application | For monitoring of single beam photo-electric sensor |
| Function of module | Built-in muting |
| Safety level | Can reach category 2 conforming to EN/ISO 13849-1 with the appropriate control system and correctly wired Can reach SILCL 1 conforming to EN/IEC 62061 with the appropriate control system and correctly wired Can reach PL = c conforming to EN/ISO 13849-1 with the appropriate control system and correctly wired |
| Safety reliability data | MTTFd = 16.6 years conforming to EN/ISO 13849-1 DC = 95.5 % conforming to EN/ISO 13849-1 PFH = 3.12E-7 1/h conforming to EN/IEC 61508 PFHd = 3.12E-7 1/h conforming to EN/IEC 62061 |
| Number of inputs | 2 (terminal(s) MA, MB) for muting function 4 (terminal(s) Z1, Z2, Z3, Z4) for sensor |
| Input voltage | 24 V DC (terminal(s) U+, U-) for muting function 24 V DC for sensor |
| Input compatibility | XC limit switch for muting function XU2M18PP340... for muting function XU2S18PP340... (infrared) for sensor XU9M18PP340... for muting function |
| Connections - terminals | Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, without bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm ² flexible cable with cable end, with bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, without bezel 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 solid or flexible cable without cable end Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² solid or flexible cable without cable end |
| Output type | Relay 2 NO (13-14, 23-24), volt-free |
| Number of additional circuits | 0 |
| [Us] rated supply voltage | 24 V DC (- 20...20 %) |

Disclaimer: 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

Complementary

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|--|--|
| Sensor power supply | 24 V DC (terminal(s) U+, U-) |
| Supply current for sensors | < 200 mA |
| Input current | < 200 mA for muting function |
| Synchronisation time between inputs | 3 s (+/- 20 %) for the activation of the MA/MB muting signal |
| Muting maximum duration | 60 s (- 10...30 %) |
| Line resistance | <= 10 Ohm for sensor power supply |
| Breaking capacity | C300 : holding 180 VA AC-15 for relay output C300 : inrush 1800 VA AC-15 for relay output |
| Breaking capacity | 1.5 A / 24 V - L/R = 50 ms, DC-13 for relay output 20 mA / 24 V for solid state output |
| Associated fuse rating | 4 A gG for relay output conforming to DIN VDE 0660 part 200 4 A gG for relay output conforming to EN/IEC 60947-5-1 6 A fast blow for relay output conforming to DIN VDE 0660 part 200 6 A fast blow for relay output conforming to EN/IEC 60947-5-1 |
| Minimum output current | 10 mA for relay output |
| Minimum output voltage | 17 V for relay output |
| Response time on input open | <= 25 ms |
| Local signalling | 1 LED, function electronic internal fuse status 1 LED, function restarting 1 LED, function safety outputs closed 1 LED, function safety outputs open 1 incandescent lamp, function muting power consumption: 4...6.5 W |
| Output thermal current | 11 A maximum 5.6 A per relay |
| Power consumption in W | <= 15 W |
| Protection type | Electronic internal fuse |
| [Ui] rated insulation voltage | 300 V, degree of pollution 2 conforming to EN/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 EN/IEC 60947-5-1 4 kV overvoltage category III, conforming to DIN VDE 0110 parts 1 and 2 |

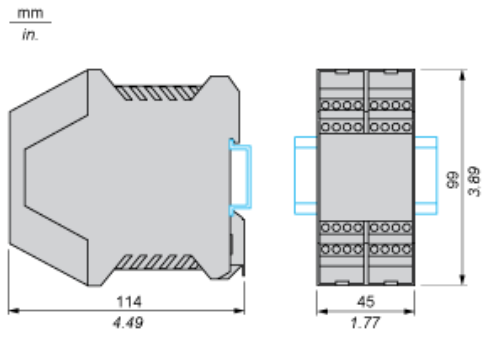
Environment

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|---------------------------------------|--|
| Ambient air temperature for operation | -10...55 °C |
| Ambient air temperature for storage | -25...85 °C |
| IP degree of protection | IP20(Terminals) conforming to IEC 60529 IP40(Enclosure) conforming to IEC 60529 |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:

XPSAC5121
module XPSAC - Emergency stop - 24 V AC DC
[Download XPSAC5121 product datasheet](#)

Download & Documents 1 to 3 of 3 (Total: -1)

Instruction sheet

| | | |
|---|--------------------|----------|
| XPSAC... Safety module for emergency stop and switch monitoring | English 2012-07-04 | pdf (29) |
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Image of product

| | | |
|--------------------------------------|------------|------------|
| Emergency stop and switch monitoring | 2010-11-10 | (Select :) |
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Certificate

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| Russian certificate | English 2010-07-07 | pdf (60) |
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- 1 Click on Download & Documents.
- 2 Click on Instruction sheet.