# *Product datasheet*
*Characteristics*

# XCSDMP5912
coded magnetic switch XCSDMP - SIL 3 - 1 NC+1 NO, NC staggered - cable 2 m



## Main

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|---|---|
| Range of product | Preventa Safety detection |
| Product or component type | Coded magnetic switch |
| Component name | XCSDMP |
| Design | Rectangular, standard |
| Size | 88 x 25 x 13 mm |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Staggered |
| Material | Plastic |
| Electrical connection | Pre-cabled |
| Cable composition | 4 x 0.25 mm² |
| Cable length | 2 m |
| Number of poles | 2 |
| Local signalling | 1 LED |
| Approach directions | 3 directions |
| [Ue] rated operational voltage | 24 V DC |
| [Ui] rated insulation voltage | 100 V DC |

## Complementary

| | |
|---|---|
| [Sa] assured operating distance | 8 mm |
| [Sar] assured tripping distance | 20 mm |
| [Ie] rated operational current | <= 100 A |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to EN/IEC 60947-5-1 |
| Resistance across terminals | 57 Ohm |
| Short circuit protection | 500 mA external cartridge fuse type gG (gl) |
| Contacts material | Rhodium |
| Electrical durability | 1200000 cycles |
| Maximum switching voltage | 100 V DC |
| Switching capacity in mA | 5...100 mA |
| Insulation resistance | 1000 MOhm |
| Breaking capacity | <= 3 VA |
| Switching frequency | 150 Hz |
| Safety level | Can reach category 4 (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1<br>Can reach PL = e (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1<br>Can reach SIL 3 (with the appropriate monitoring system and correctly wired) conforming to EN/IEC 61508 |
| Safety reliability data | B10d = 5000000 (value given for a life time of 20 years limited by mechanical or contact wear) |
| Enclosure material | Thermoplastic PBT |
| Cable material | PVC |
| Product weight | 0.18 kg |

## Environment

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|---|---|
| Standards | CSA C22-2 No 14<br>EN 1088<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>ISO 14119 |

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| | |
|---|---|
| | UL 508 |
| Product certifications | BG<br>CSA<br>UL |
| Protective treatment | TH |
| Ambient air temperature for operation | -25...85 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |
| Sensitivity to magnetic fields | >= 0.3 mT |
| Class of protection against electric shock | Class II conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |