# Product data sheet
## Characteristics

# XCSDMP59010
## coded magnetic switch XCSDMP - 1 NC + 1 NO - staggered - 10m



### Main

| | |
|---|---|
| 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 |
| Contact operation | Staggered |
| Material | Plastic |
| Electrical connection | Pre-cabled |
| Cable composition | 4 x 0.25 mm² |
| Cable length | 10 m |
| Number of poles | 2 |
| 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 |
| Maximum [Ie] rated operational current | 100 mA |
| [Uimp] rated impulse withstand voltage | 2.5 kV EN/IEC 60947-5-1 |
| Resistance across terminals | 10 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 | 0.1...100 mA |
| Insulation resistance | 1000 MOhm |
| Breaking capacity | 10 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 = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| Enclosure material | Thermoplastic PBT |
| Cable material | PVC |
| Depth | 13 mm |
| Height | 88 mm |
| Width | 25 mm |
| Net weight | 0.18 kg |

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.
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## Environment

| | |
|---|---|
| Standards | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508<br>ISO 14119<br>EN/ISO 12100 |
| Product certifications | CSA<br>BG<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 |
| Maximum sensitivity to magnetic fields | 0.3 mT |
| Electrical shock protection class | Class II conforming to EN/IEC 61140 |
| IP degree of protection | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |

## Offer Sustainability

| | |
|---|---|
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |

## Contractual warranty

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