

# XCSDMP7005

coded magnetic switch XCSDMP - SIL 3 - 1 NC  
+2 NO, 1 NO staggered - cable 5 m



## 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  | 2 NC + 1 NO               |
| Contacts operation             | 1 NC staggered            |
| Material                       | Plastic                   |
| Electrical connection          | Pre-cabled                |
| Cable composition              | 6 x 0.25 mm <sup>2</sup>  |
| Cable length                   | 5 m                       |
| Number of poles                | 3                         |
| 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            | 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 SIL 3 (with the appropriate monitoring system and correctly wired) conforming to EN/IEC 61508<br>Can reach PL = e (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1<br>Can reach category 4 (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1 |
| 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   |

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## Environment

|  |   |
|--|---|
| Standards                                  | CSA C22-2 No 14<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>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                    | IP67 conforming to IEC 60529<br>IP66 conforming to IEC 60529                    |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| ROHS                     | Compliant - since 0729 - <a href="#">download declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                           |