

# XCSDMC59010

coded magnetic switch XCSDMC - 1 NC + 1 NO - staggered - 10m



## Main

|                                |                           |
|--------------------------------|---------------------------|
| Range of product               | Preventa Safety detection |
| Product or component type      | Coded magnetic switch     |
| Component name                 | XCSDMC                    |
| Design                         | Rectangular, compact      |
| Size                           | 51 x 16 x 7 mm            |
| Contacts type and composition  | 1 NC + 1 NO               |
| Contact operation              | Staggered                 |
| Material                       | Plastic                   |
| Electrical connection          | Pre-cabled                |
| Cable composition              | 4 x 0.25 mm <sup>2</sup>  |
| 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        | 5 mm  |
| [Sar] assured tripping distance        | 15 mm   |
| [Ie] rated operational current         | <= 100 mA   |
| [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              | 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                                  | 7 mm  |
| Height                                 | 51 mm   |
| Width                                  | 16 mm   |
| Product weight                         | 0.101 kg  |

## Environment

|           |   |
|-----------|---|
| standards | EN 1088<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1 |
|-----------|---|

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EN/ISO 12100  
ISO 14119  
UL 508  
CSA C22.2 No 14

|                                       |  |
|---------------------------------------|--|
| 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  |
| 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

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0729 - Schneider Electric declaration of conformity |
| REACH                    | Reference not containing SVHC above the threshold                     |