

## XCSDMR591L01M12

coded magnetic switch XCSDMR - 1 NC + 1 NO - staggered - M12 0.15m



### Main

|                                |                           |
|--------------------------------|---------------------------|
| Range of product               | Preventa Safety detection |
| Product or component type      | Coded magnetic switch     |
| Component name                 | XCSDMR                    |
| Design                         | Cylindrical               |
| Size                           | Ø 30 x 38.5 mm            |
| Contacts type and composition  | 1 NC + 1 NO               |
| Contacts operation             | Staggered                 |
| Material                       | Plastic                   |
| Electrical connection          | Connector on flying lead  |
| Connector type                 | M12                       |
| Cable length                   | 0.15 m                    |
| Number of poles                | 2                         |
| Local signalling               | 1 LED                     |
| Approach directions            | 1 direction               |
| [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              | 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 = 50000000 (value given for a life time of 20 years limited by mechanical or contact wear)   |
| Enclosure material                     | Thermoplastic PBT   |
| Cable material                         | PVC   |
| Diameter                               | 30 mm   |
| Length                                 | 39 mm   |
| Product weight                         | 0.146 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   |
| Class of protection against electric shock | Class II conforming to IEC 60536                    |
| IP degree of protection                    | IP67 conforming to IEC 60529                        |

### Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS                     | Compliant - since 0729 - Schneider Electric declaration of conformity |