

# XCSDMC5912

coded magnetic switch XCSDMC - 1 NC + 1  
NO - staggered - 2m

Product availability: Stock - Normally stocked in distribution facility



## 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                  | 6.56 ft (2 m)             |
| Number of poles               | 2                         |
| Local signalling              | 1 LED                     |
| Approach directions           | 3 directions              |
| System Voltage                | 24 V DC                   |
| [Ui] rated insulation voltage | 100 V DC                  |

## Complementary

|  |   |
|--|---|
| [Sa] assured operating distance        | 0.2 in (5 mm)   |
| [Sar] assured tripping distance        | 0.59 in (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            | 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   |
| Depth                                  | 0.28 in (7 mm)  |
| Height                                 | 2.01 in (51 mm)   |
| Width                                  | 0.63 in (16 mm)   |
| Product weight                         | 0.22 lb(US) (0.101 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | ISO 14119<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>EN/ISO 12100<br>CSA C22.2 No 14<br>UL 508 |
| Product certifications                | BG<br>UL<br>CSA  |
| Protective treatment                  | TH   |
| Ambient air temperature for operation | -13...185 °F (-25...85 °C)   |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)   |
| Vibration resistance                  | 10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6  |
| Shock resistance                      | 30 gn 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                                 |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 00785901407317                  |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 0.23999999999999999             |
| Returnability         | Y                               |
| Country of origin     | FR                              |

## Offer Sustainability

|                           |  |
|---------------------------|--|
| RoHS (date code: YYWW)    | Compliant - since 0729 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                     | Reference not containing SVHC above the threshold  |
| California proposition 65 | WARNING: This product can expose you to chemicals including:   |
| ----- Substance 1         | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and  |
| ----- Substance 2         | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.         |
| ----- More information    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

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

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