

# XCSDMC591L01M8

coded magnetic switch XCSDMC - 1 NC + 1  
NO - staggered - M8 0.15m

Product availability: Non-Stock - Not 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         | Connector on flying lead  |
| Connector type                | M8                        |
| Cable length                  | 0.49 ft (0.15 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)                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| Standards                             | UL 508<br>EN/ISO 12100<br>ISO 14119<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1 |
| Product certifications                | UL<br>BG<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               | IP67 conforming to IEC 60529                                                                 |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 003389118000223                 |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 0.7000000000000007              |
| Returnability         | N                               |
| 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         | Diisodecyl 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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