

# XCSDMC791L01M8

coded magnetic switch XCSDMC - 2 NC -  
staggered - M8 0.15m



## 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  | 2 NC                      |
| Contacts operation             | Staggered                 |
| Material                       | Plastic                   |
| Electrical connection          | Connector on flying lead  |
| Connector type                 | M8                        |
| Cable length                   | 0.15 m                    |
| Number of poles                | 2                         |
| Local signalling               | 1 LED                     |
| 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 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                                                                                                                                                                                                                                                                                                                                     |
| Depth                                  | 7 mm                                                                                                                                                                                                                                                                                                                                    |
| Height                                 | 51 mm                                                                                                                                                                                                                                                                                                                                   |
| Width                                  | 16 mm                                                                                                                                                                                                                                                                                                                                   |
| Product weight                         | 0.101 kg                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                            |                                                                                 |
|--------------------------------------------|---------------------------------------------------------------------------------|
| Standards                                  | EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508<br>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 (date code: YYWW)   | Compliant - since 0729 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |