



## 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               |
| 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           | 1 direction               |
| System Voltage                | 24 V DC                   |
| [Ui] rated insulation voltage | 100 V DC                  |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Sa] assured operating distance        | 0.31 in (8 mm)                                                                                                                                                                                                                                                                                                                          |
| [Sar] assured tripping distance        | 0.79 in (20 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                                                                                                                                                                                                                                                                                                                                     |
| Diameter                               | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                         |
| Length                                 | 1.54 in (39 mm)                                                                                                                                                                                                                                                                                                                         |
| Product weight                         | 0.32 lb(US) (0.146 kg)                                                                                                                                                                                                                                                                                                                  |

## Environment

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| standards | EN 1088<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>ISO 14119 |
|-----------|----------------------------------------------------------------------------|

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|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| product certifications                | BG<br>CSA<br>UL                                              |
| 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 |

## Offer Sustainability

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