



## Main

|                                |                               |
|--------------------------------|-------------------------------|
| Range of product               | Preventa Safety detection     |
| Product or component type      | Coded magnetic system         |
| Component name                 | XCSDM3                        |
| Design                         | Rectangular                   |
| Size                           | 100 x 34 x 32 mm              |
| Contacts type and composition  | 1 NO + 1 NO                   |
| Material                       | Plastic                       |
| Electrical connection          | Pre-cabled                    |
| Cable composition              | 6 x 0.25 mm <sup>2</sup>      |
| Cable length                   | 10 m                          |
| Ohmic cable resistance         | 900 mOhm                      |
| Local signalling               | 1 LED (green, orange and red) |
| Approach directions            | 9 directions                  |
| [Ue] rated operational voltage | 24 V DC (- 20...10 %)         |
| [Ui] rated insulation voltage  | 36 V DC                       |

## Complementary

|                                        |                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable outer diameter                   | 6.1 mm                                                                                                                                                                                                 |
| Type of output stage                   | Solid-state, PNP                                                                                                                                                                                       |
| Safety outputs                         | 2 outputs 1.5 A, 24 V, DC                                                                                                                                                                              |
| [Sa] assured operating distance        | 10 mm                                                                                                                                                                                                  |
| [Sar] assured tripping distance        | 20 mm                                                                                                                                                                                                  |
| Minimum actuation speed                | 0.01 m/s                                                                                                                                                                                               |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                  |
| Protection type                        | Overload and short-circuit protection                                                                                                                                                                  |
| Switching frequency                    | 3 Hz                                                                                                                                                                                                   |
| Time delay                             | 100 ms (activation)                                                                                                                                                                                    |
| Discordance time                       | 2 s                                                                                                                                                                                                    |
| [HFT] Hardware Fault Tolerance         | 1                                                                                                                                                                                                      |
| Tightening torque                      | ≤ 1.8 N.m                                                                                                                                                                                              |
| Installed device                       | 32 maximum with 2 m long cable                                                                                                                                                                         |
| Marking                                | CE                                                                                                                                                                                                     |
| Safety level                           | Can reach SIL 2 (correctly wired) conforming to EN/IEC 61508<br>Can reach PL = d (correctly wired) conforming to EN/ISO 13849-1<br>Can reach category 3 (correctly wired) conforming to EN/ISO 13849-1 |
| Safety reliability data                | SF = 92.5 %<br>PFH = 3.94E-9<br>PFD = 1.15E-5<br>MTTFd = 182 years<br>HFT = 1                                                                                                                          |
| Enclosure material                     | Thermoplastic PBT                                                                                                                                                                                      |
| Cable material                         | PVC                                                                                                                                                                                                    |
| Depth                                  | 32 mm                                                                                                                                                                                                  |
| Height                                 | 100 mm                                                                                                                                                                                                 |
| Width                                  | 34 mm                                                                                                                                                                                                  |
| Product weight                         | 0.745 kg                                                                                                                                                                                               |

## Environment

|                                            |                                                                                                                             |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Standards                                  | EN 1088<br>EN 13849-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-2<br>EN/IEC 60947-5-3<br>EN/IEC 62061<br>IEC 61508<br>ISO 14119 |
| Product certifications                     | CSA<br>TÜV<br>UL                                                                                                            |
| Ambient air temperature for operation      | -25...70 °C                                                                                                                 |
| Ambient air temperature for storage        | -40...85 °C                                                                                                                 |
| Vibration resistance                       | 10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6                                                                         |
| Shock resistance                           | 30 gn for 11 ms conforming to IEC 60068-2-27                                                                                |
| Sensitivity to magnetic fields             | <= 0.5 mT                                                                                                                   |
| Class of protection against electric shock | Class III conforming to IEC 61140                                                                                           |
| IP degree of protection                    | IP69K conforming to DIN 40050<br>IP67 conforming to IEC 60529<br>IP66 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                                     |