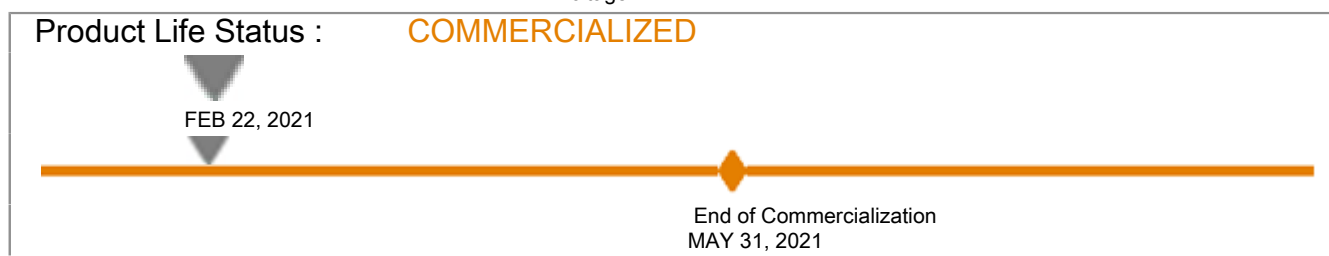


## Main

|                                |                             |
|--------------------------------|-----------------------------|
| 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          | Connector                   |
| Connector type                 | M12                         |
| Local signalling               | Green, orange and red 1 LED |
| Approach directions            | 9 directions                |
| [Ue] rated operational voltage | 24 V DC (- 20...10 %)       |
| [Ui] rated insulation voltage  | 36 V DC                     |



## Complementary

|                                        |                                       |
|----------------------------------------|---------------------------------------|
| 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 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 category 3 correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = d correctly wired conforming to EN/ISO 13849-1<br>Can reach SIL 2 correctly wired conforming to EN/IEC 61508 |
| Safety reliability data | HFT = 1<br>MTTFd = 182 years<br>PFD = 1.15E-5<br>PFH = 3.94E-9<br>SF = 92.5 %                                                                                                                    |
| Enclosure material      | Thermoplastic PBT                                                                                                                                                                                |
| Depth                   | 32 mm                                                                                                                                                                                            |
| Height                  | 100 mm                                                                                                                                                                                           |
| Width                   | 34 mm                                                                                                                                                                                            |
| Net weight              | 0.215 kg                                                                                                                                                                                         |

## Environment

|                                        |                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Standards                              | EN/IEC 60947-5-1<br>EN 13849-1<br>ISO 14119<br>EN/IEC 60947-5-2<br>EN/IEC 60947-5-3<br>EN/IEC 62061<br>IEC 61508 |
| 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                                                                     |
| Maximum sensitivity to magnetic fields | 0.5 mT                                                                                                           |
| Electrical shock protection class      | Class III conforming to EN/IEC 61140                                                                             |
| IP degree of protection                | IP67 conforming to IEC 60529                                                                                     |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 230 g    |
| Package 1 Height             | 4.7 cm   |
| Package 1 width              | 14.6 cm  |
| Package 1 Length             | 18.5 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 3.059 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| REACH free of SVHC         | Yes                                                                                                                                                                                  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  Yes                                                                                              |

## Contractual warranty

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