

# XCSDMP70110

coded magnetic switch XCSDMP - 2 NC + 1  
NO - 1 NC staggered - 10m



## Main

|                                |                           |
|--------------------------------|---------------------------|
| Range of product               | Preventa Safety detection |
| Product or component type      | Coded magnetic switch     |
| Component name                 | XCSDMP                    |
| Design                         | Rectangular, standard     |
| Size                           | 88 x 25 x 13 mm           |
| Contacts type and composition  | 2 NC + 1 NO               |
| Contact operation              | 1 NC staggered            |
| Material                       | Plastic                   |
| Electrical connection          | Pre-cabled                |
| Cable composition              | 6 x 0.25 mm <sup>2</sup>  |
| Cable length                   | 10 m                      |
| Number of poles                | 3                         |
| 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        | 8 mm                                                                                                                                                                                                                                                                                                                              |
| [Sar] assured tripping distance        | 20 mm                                                                                                                                                                                                                                                                                                                             |
| Maximum [Ie] rated operational current | 100 mA                                                                                                                                                                                                                                                                                                                            |
| [Uimp] rated impulse withstand voltage | 2.5 kV 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              | 100 V 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                                  | 13 mm                                                                                                                                                                                                                                                                                                                             |
| Height                                 | 88 mm                                                                                                                                                                                                                                                                                                                             |
| Width                                  | 25 mm                                                                                                                                                                                                                                                                                                                             |
| Net weight                             | 0.18 kg                                                                                                                                                                                                                                                                                                                           |

## Environment

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

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 586 g    |
| Package 1 Height             | 6 cm     |
| Package 1 width              | 19.4 cm  |
| Package 1 Length             | 22.7 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 8        |
| Package 2 Weight             | 4.981 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 |
|----------|-----------|