

Product data sheet

# XCSDMP7902

Safety coded magnetic switch XCSDMP, 2NC, staggered

## Main

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|---|---|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Coded magnetic switch |
| Component name | XCSDMP |
| Design | Rectangular, standard |
| Sensor design | RECTANGULAR STANDARD |
| ETIM classification | ETIM 9 - EC002544 - Magnetic proximity switch |
| Material | Plastic |
| Cable material | PVC |
| Enclosure material | Thermoplastic PBT |
| Approach directions | 3 directions |
| Number of poles | 2 |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508 |
| Safety reliability data | B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| [Sa] assured operating distance | 8 mm |
| [Sar] assured tripping distance | 20 mm |
| Product certifications | CSA<br>UL |
| Standards | CSA C22.2 No 14<br>IEC 60204-1<br>IEC 60947-5-1<br>ISO 12100<br>ISO 14119<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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|---|---|
| Electrical durability | 1200000 cycles |
| Electrical connection | Pre-cabled |
| Cable length | 2 m |
| Cable composition | 4 x 0.25 mm² |
| Contacts type and composition | 2 NC |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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| Contacts material | Rhodium |
| Contact operation | Staggered |
| [Ue] rated operational voltage | 24 V DC |
| Maximum switching voltage | 100 V DC |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to IEC 60947-5-1 |
| Switching capacity in mA | 0.1...100 mA |
| [Ui] rated insulation voltage | 100 V DC |
| Insulation resistance | 1000 MOhm |
| [Ie] rated operational current | 100 mA |
| Resistance across terminals | 10 Ω |
| Electrical shock protection class | Class II conforming to IEC 61140 |
| Short-circuit protection | 500 mA external cartridge fuse type gG (gI) |
| Switching frequency | 150 Hz |
| Breaking capacity | 10 VA |
| Height | 88 mm |
| Width | 25 mm |
| Depth | 13 mm |
| Size | 88 x 25 x 13 mm |
| Product weight | 0.18 kg |

## Environment

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|---|---|
| IP degree of protection | IP66 conforming to IEC 60529, IP67 conforming to IEC 60529 |
| Ambient air temperature for operation | -25...85 °C |
| Ambient air temperature for storage | -40...85 °C |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 10 gn (f= 10-150 Hz) conforming to IEC 60068-2-6 |
| Sensitivity to magnetic fields | 0.3 mT |
| Protective treatment | TH |

## Offer Sustainability

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| California proposition 65 | WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov |

## Warranty

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| Warranty | 18 months |

## Packing Units

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|---|---|
| Country of origin | FR (France) |

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|---|---|
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916059579 |
| Package 1 height | 2 cm |
| Package 1 width | 13 cm |
| Package 1 length | 15 cm |
| Package 1 weight | 0.175 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 20 |
| New Package 2 GTIN 14 | 13666916059576 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 3.817 kg |
| Unit type of package 3 | BAG |
| Number of units in package 3 | 1 |
| New Package 3 GTIN 14 | 23666916059573 |
| Package 3 height | 2 cm |
| Package 3 width | 13 cm |
| Package 3 length | 15 cm |
| Package 3 weight | 0.175 kg |