



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Coded magnetic switch |
| Component name | XCSDR |
| Design | Cylindrical |
| Size | Ø 30 x 38.5 mm |
| Contacts type and composition | 2 NC |
| Contact operation | Staggered |
| Material | Plastic |
| Electrical connection | Connector on flying lead |
| Connector type | M12 |
| Cable length | 0.15 m |
| Number of poles | 2 |
| Local signalling | 1 LED |
| Approach directions | 1 direction |
| [Ue] rated operational voltage | 24 V DC |
| [Ui] rated insulation voltage | 100 V DC |

Complementary

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| [Sa] assured operating distance | 8 mm |
| [Sar] assured tripping distance | 20 mm |
| Maximum [le] rated operational current | 100 mA |
| [Uimp] rated impulse withstand voltage | EN/IEC 60947-5-1 2.5 kV |
| 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 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 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 | 30 mm |
| Length | 39 mm |
| Net weight | 0.146 kg |

Environment

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| Standards | EN/IEC 60204-1 UL 508 EN/ISO 12100 EN/IEC 60947-5-1 CSA C22.2 No 14 ISO 14119 |
| Product certifications | UL BG CSA |
| 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 | IP67 conforming to IEC 60529 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 89 g |
| Package 1 Height | 3.5 cm |
| Package 1 width | 8 cm |
| Package 1 Length | 12.5 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Weight | 4.197 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

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| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

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| Warranty | 18 months |
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