



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Coded magnetic switch |
| Component name | XCS DMP |
| Design | Rectangular, standard |
| Size | 88 x 25 x 13 mm |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Staggered |
| Material | Plastic |
| Electrical connection | Connector on flying lead |
| Connector type | M12 |
| Cable length | 0.49 ft (0.15 m) |
| Number of poles | 2 |
| Local signalling | 1 LED |
| Approach directions | 3 directions |
| [Ue] rated operational voltage | 24 V DC |
| [Ui] rated insulation voltage | 100 V DC |

Complementary

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| [Sa] assured operating distance | 0.31 in (8 mm) |
| [Sar] assured tripping distance | 0.79 in (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 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 |

Disclaimer: 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

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|-------------------------|---|
| Switching frequency | 150 Hz |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired 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 |
| Depth | 0.51 in (13 mm) |
| Height | 3.46 in (88 mm) |
| Width | 0.98 in (25 mm) |
| Net weight | 0.40 lb(US) (0.18 kg) |

Environment

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| Standards | EN/IEC 60204-1 UL 508 CSA C22.2 No 14 ISO 14119 EN/ISO 12100 EN/IEC 60947-5-1 |
| Product certifications | CSA UL BG |
| Protective treatment | TH |
| Ambient air temperature for operation | -13...185 °F (-25...85 °C) |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Vibration resistance | 10 gn 10...150 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms IEC 60068-2-27 |
| Maximum sensitivity to magnetic fields | 0.3 mT |
| Electrical shock protection class | Class II EN/IEC 61140 |
| IP degree of protection | IP67 IEC 60529 |

Packing Units

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|------------------|------------------------|
| Package 1 Weight | 0.25 lb(US) (0.114 kg) |
| Package 1 Height | 0.350 dm |
| Package 1 width | 0.300 dm |
| Package 1 Length | 1.700 dm |

Offer Sustainability

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|----------------------------|---|
| RECh Regulation | RECh Declaration |
| RECh 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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