



Main

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| Range of product | Preventa ATEX D |
| Product or component type | Coded magnetic switch |
| Device short name | XCSDMC |
| Material | Plastic |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Staggered |
| Electrical connection | Pre-cabled |
| Cable composition | 4 x 0.25 mm ² |
| Cable length | 2 m |
| Design | Rectangular, compact |
| Size | 51 x 16 x 7 mm |
| Number of poles | 2 |

Complementary

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| [Sa] assured operating distance | 5 mm |
| [Sar] assured tripping distance | 15 mm |
| Approach directions | 3 directions |
| [Ue] rated operational voltage | 24 V DC |
| [Ie] rated operational current | <= 100 A |
| [Ui] rated insulation voltage | 100 V DC |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to EN/IEC 60947-5-1 |
| Resistance across terminals | 10 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 | 0.1...100 mA |
| Insulation resistance | 1000 MOhm |
| Breaking capacity | <= 10 VA |
| Switching frequency | 150 Hz |
| Product weight | 0.101 kg |

Environment

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| Safety level | Can reach category 4 conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach PL = e conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach SIL 3 conforming to IEC 61508 with the appropriate monitoring system and correctly wired |
| Safety reliability data | B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| 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 |
| Sensitivity to magnetic fields | >= 0.3 mT |

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| Class of protection against electric shock | Class II conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| Enclosure material | Thermoplastic PBT |
| Cable material | PVC |
| Marking | II2 G/D-Ex ia A0/20 IP67 T135°C II2 G/D-Ex Ex mb II T4 II1 G/D-Ex ia IIB T4 II1 G/D-Ex iaD 20 T135°C |
| Dust zone | Zone 0 - 1 - 2/20 - 21 - 22 According to protection mode mD, tD and ia |
| Product certifications | BG CSA UL INERIS 04ATEX0036 |
| Standards | Directive ATEX 94/9/EC EN 1088 EN/ISO 13849-1 EN 60079-0 EN 60079-18 EN 60079-31 |

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0915 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |