

Product data sheet

Specifications



Coded magnetic switch, Telemecanique Safety switches XCS, XCSDMC, 1 NC+1 NO, staggered, cable 10 m

XCSDMC59010EX

Main

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|-------------------------------|-----------------------------------|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Coded magnetic switch |
| Device short name | XCSDMC |
| Material | Plastic |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Staggered |
| Electrical connection | Pre-cabled |
| Cable composition | 4 x 0.25 mm ² |
| Cable length | 10 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 |
| Maximum [Ie] rated operational current | 100 mA |
| [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 type 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 |

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|---------------------|----------|
| Breaking capacity | 10 VA |
| Switching frequency | 150 Hz |
| Product weight | 0.101 kg |

Environment

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| 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 IEC 61508 |
| 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 |
| Maximum sensitivity to magnetic fields | 0.3 mT |
| Electrical shock protection class | 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 |
| Dust zone | According to protection mode mD, tD and ia Zone 0 - 1 - 2/20 - 21 - 22 |
| Product certifications | INERIS 07ATEX0036 |
| Standards | EN 60079-0 EN 60079-11 EN 60079-18 EN 60079-31 EN/ISO 13849-1 |
| Directives | 2014/34/EU - ATEX directive |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.4 cm |
| Package 1 Width | 17.1 cm |
| Package 1 Length | 19.7 cm |
| Package 1 Weight | 410.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 4.386 kg |

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 |
| 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 |

Contractual warranty

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| Warranty | 18 months |
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Recommended replacement(s)