



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSE |
| Design | Rectangular |
| Material | Metal |
| Head type | Key operated turret head |
| Contacts type and composition | 2 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| Solenoid contacts type and composition | 1 NC + 1 NO (slow-break, simultaneous) |
| Cable entry | 2 entries tapped for M20 x 1.5 |
| Electromagnet interlocking | Locking on de-energisation and unlocking on energisation of solenoid |
| [Us] solenoid rated supply voltage | 110/240 V supply 10 % |
| Cable outer diameter | 7...13 mm |
| Electrical connection | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm ² with or without cable end |
| Number of poles | 3 |
| Locking options description | With interlocking, locking by solenoid |
| Local signalling | 2 LEDs (green or orange) for guard open/guard closed and locked |
| Signalling circuit voltage | 110/240 V (voltage limits: 95...264 V) |

Complementary

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| Positive opening | With NC contact |
| Supply voltage type | AC/DC |
| Supply frequency | 50/60 Hz |
| Load factor | 1 |
| Power consumption in VA | 10 VA inrush 10 VA sealed |
| Signalling circuit type | AC |
| Signalling circuit consumption | 7 mA |
| Mechanical durability | 1000000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Maximum actuation speed | 0.5 m/s |
| [Ie] rated operational current | 0.55 A at 125 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A |
| [Ui] rated insulation voltage | 250 V conforming to EN/IEC 60947-1 for signalling circuit |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-5-1 |
| Protection type | Overvoltage protection for signalling circuit |
| Short-circuit protection | 10 A cartridge fuse type gG (gl) |
| Actuator forcible withdrawal rtc | 2000 N |

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| Minimum actuator force for extraction | 20 N |
| Maximum operating rate | 10 cyc/mn for maximum durability |
| 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 = 5000000 value given for a life time of 20 years limited by mechanical or contact wear |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 44 mm |
| Height | 146 mm |
| Width | 98 mm |
| Net weight | 1.14 kg |

Environment

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| Standards | CSA C22.2 No 14 EN/IEC 60947-5-1 EN/ISO 12100 EN/IEC 60204-1 EN 1088/ISO 14119 UL 508 |
| Product certifications | UL CSA |
| Protective treatment | TC |
| Ambient air temperature for operation | -25...40 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class I conforming to EN/IEC 61140 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.29 kg |
| Package 1 Height | 5.6 cm |
| Package 1 width | 15.4 cm |
| Package 1 Length | 11.2 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 8 |
| Package 2 Weight | 10.595 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
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