



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSLF |
| Design | Slim |
| 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 | 2 NC + 1 NO (slow-break, break before make) |
| Cable entry | 3 entries tapped M20 x 1.5 |
| Electromagnet interlocking | Locking on energisation and unlocking on de-energisation of solenoid |
| [Us] Solenoid Rated Supply voltage | 24 V - 15...10 % |
| Cable outer diameter | 0.28...0.51 in (7...13 mm) |
| Electrical connection | Spring terminal 1 x 1.5 mm ² flexible or solid cable Spring terminal 2 x 0.5 mm ² flexible cables with 13 mm bared ends |
| Number of poles | 3 |
| Locking options description | With interlocking, locking by solenoid |
| Local signalling | 1 LED (orange) for actuator withdrawn 1 LED (green) for actuator inserted and locked |
| Signalling circuit voltage | 24 V |

Complementary

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| Positive opening | With NC contact |
| Supply voltage type | AC/DC |
| Supply frequency | 50/60 Hz |
| Load factor | 1 |

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| Signalling circuit type | AC/DC |
| Mechanical durability | 1000000 cycles |
| Minimum actuation speed | 0.03 ft/s (0.01 m/s) |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| [Ie] rated operational current | 0.55 A 24 V, DC-13, R300 EN/IEC 60947-5-1 0.75 A 240 V, AC-15, C300 EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 4 A |
| Maximum load current | <= 15 A |
| [Ui] rated insulation voltage | 300 VUL 508 300 VCSA C22.2 No 14 250 V 3)EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 kV EN/IEC 60947-5-1 |
| Minimum switching current | 10 mA at 20 °C |
| Minimum switching voltage | 17 V |
| Short-circuit protection | 4 A cartridge fuse type gG (gl) 6 A type fast blow |
| Maximum actuator forcible withdrawal rtc | 3000 N |
| Minimum actuator force for extraction | 20 N |
| Resistance to mechanical impact | 9.6 J against the partition 6.4 J without partition |
| Maximum operating rate | 10 cyc/mn for maximum durability |
| 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 EN/IEC 61508 |
| Safety reliability data | B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 2.01 in (51 mm) |
| Height | 8.07 in (205 mm) |
| Width | 1.73 in (44 mm) |
| Net weight | 2.43 lb(US) (1.1 kg) |

Environment

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| Standards | EN/IEC 60947-5-1 CSA C22.2 No 14 EN/ISO 13849-1 UL 508 EN/IEC 62061 EN/IEC 60204-1 EN 1088/ISO 14119 |
| Product certifications | CSA UL TÜV |
| Protective treatment | TC |
| Ambient air temperature for operation | -13...140 °F (-25...60 °C) |
| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 5 gn 10...500 Hz)IEC 60068-2-6 |
| Shock resistance | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class I EN/IEC 61140 |
| IP degree of protection | IP66 EN/IEC 60529 and EN/IEC 60947-5-1 IP67 |

Packing Units

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| Package 1 Weight | 2.80 lb(US) (1.270 kg) |
| Package 1 Height | 0.560 dm |

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| Package 1 width | 0.750 dm |
| Package 1 Length | 2.290 dm |

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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