

XCSLF3737612

Safety switch, Telemecanique Safety switches XCS, metal XCSLF, 4 NC+2 NO, slow break, 3 entries tapped M20, 24 V



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 | By mushroom head push-button key release for escape release Locking on de-energisation and unlocking on energisation of solenoid |
| [Us] solenoid rated voltage | 24 V AC/DC |
| 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| Local signalling | For actuator withdrawn 1 LED (orange) For actuator inserted and locked 1 LED (green) |
| 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 |
| Signalling circuit type | AC/DC |
| Mechanical durability | 30000 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Short-circuit protection | 4 A cartridge fuse gG (gl) 6 A 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 | 4.45 in (113 mm) |
| Height | 8.07 in (205 mm) |
| Width | 1.73 in (44 mm) |
| Net Weight | 2.65 lb(US) (1.2 kg) |

Environment

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| Standards | UL 508 EN 1088/ISO 14119 EN/IEC 60947-5-1 EN/ISO 13849-1 CSA C22.2 No 14 EN/IEC 60204-1 EN/IEC 62061 |
| Product Certifications | TÜV UL CSA |
| 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 11 ms IEC 60068-2-27 |
| Electrical shock protection class | Class I EN/IEC 61140 |
| IP degree of protection | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |




Ordering and shipping details

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| Category | 22411-LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule | T |
| GTIN | 3606489413590 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 3.21 lb(US) (1.458 kg) |
| Returnability | No |
| Country of origin | ID |

Packing Units

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| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.32 in (5.9 cm) |
| Package 1 width | 5.71 in (14.5 cm) |
| Package 1 Length | 8.98 in (22.8 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 4 |
| Package 2 Weight | 13.86 lb(US) (6.287 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

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| 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 |
| 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 |

Contractual warranty

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| Warranty | 18 months |
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