

# Product data sheet

# XCSLF2727333

Safety interlock XCSLF, metal, 4NC, slow break, 3 entries tapped 1/2" NPT

## Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSLF |
| Design | Slim |
| Sensor design | SLIM |
| ETIM classification | ETIM 9 - EC002593 - Position switch with guard locking |
| Head type | Key operated turret head |
| Material | Metal |
| Body material | Zamak |
| Head material | Zamak |
| Number of poles | 2 |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach SIL 3 conforming to IEC 61508 |
| Safety reliability data | B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear |
| Locking options description | With interlocking, locking by solenoid |
| Electromagnet interlocking | Locking on de-energisation and unlocking on energisation of solenoid |
| Product certifications | CSA<br>TÜV<br>UL |
| Standards | CSA C22.2 No 14<br>EN 1088/ISO 14119<br>IEC 60204-1<br>IEC 60947-5-1<br>IEC 62061<br>ISO 13849-1<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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| Actuator forcible withdrawal rtc | 3000 N |
| Actuator force for extraction | 20 N |
| Mechanical durability | 1000000 cycles |
| Minimum actuation speed | 0.01 m/s |

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.
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| Cable entry | 3 entries tapped for 1/2" NPT |
| Electrical connection | Spring terminal, clamping capacity: 1 x 1.5 mm² flexible or solid cable, spring terminal, clamping capacity: 2 x 0.5 mm² flexible cables with 13 mm bared ends |
| Positive opening | With NC contact |
| Contacts type and composition | 2 NC |
| Solenoid contacts type and composition | 2 NC (slow-break, simultaneous) |
| Contact operation | Slow-break, simultaneous |
| Operating rate | 10 cyc/mn for maximum durability |
| [Us] rated supply voltage | 120 V - 15...10 % |
| Supply voltage type | AC/DC |
| Supply frequency | 50/60 Hz |
| Minimum switching voltage | 17 V |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-5-1 |
| Minimum switching current | 10 mA at 20 °C |
| [Ui] rated insulation voltage | 300 V conforming to UL 508, 300 V conforming to CSA C22.2 No 14, 250 V (pollution degree 3) conforming to IEC 60947-1 |
| Signalling circuit voltage | 120 V |
| [Ie] rated operational current | 0.55 A at 24 V, DC-13, R300 conforming to IEC 60947-5-1, 0.75 A at 240 V, AC-15, C300 conforming to IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 4 A |
| Electrical shock protection class | Class I conforming to IEC 61140 |
| Short-circuit protection | 4 A cartridge fuse type gG (gI), 6 A type fast blow |
| Local signalling | 1 LED (orange) for actuator withdrawn, 1 LED (green) for actuator inserted and locked |
| Maximum load current | <= 15 A |
| Signalling circuit type | AC |
| Width | 44 mm |
| Depth | 51 mm |
| Product weight | 1.1 kg |

## Environment

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| Resistance to mechanical impact | 9.6 J against the partition, 6.4 J without partition |
| IP degree of protection | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1, IP67 |
| Ambient air temperature for operation | -25...60 °C |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 5 gn (f= 10-500 Hz) conforming to IEC 60068-2-6 |
| Protective treatment | TC |

## 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 |

## Warranty

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| Warranty | 18 months |

## Packing Units

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| Country of origin | ID (Indonesia) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916047811 |
| Package 1 height | 5.7 cm |
| Package 1 width | 23 cm |
| Package 1 length | 7.5 cm |
| Package 1 weight | 1.266 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 8 |
| New Package 2 GTIN 14 | 13666916047818 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 10.176 kg |
| Unit type of package 3 | CAR |
| Number of units in package 3 | 1 |
| New Package 3 GTIN 14 | 23666916047815 |
| Package 3 height | 5.7 cm |
| Package 3 width | 23 cm |
| Package 3 length | 7.5 cm |
| Package 3 weight | 1.266 kg |