

# Product data sheet

# XCSTE5313

Safety interlock XCSTE, plastic, 1NC+1NO, slow break, 1 entry tapped 1/2" NPT

## Main

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|---|---|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSTE |
| Design | Rectangular |
| Sensor design | RECTANGULAR |
| ETIM classification | ETIM 9 - EC002593 - Position switch with guard locking |
| Head type | Key operated turret head |
| Material | Plastic |
| Body material | PA (polyamide) |
| Head material | PA (polyamide) |
| 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 with the appropriate monitoring system and correctly wired conforming to IEC 61508 |
| Safety reliability data | B10d = 5000000 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>UL |
| Standards | CSA C22.2 No 14<br>EN 1088/ISO 14119<br>IEC 60204-1<br>IEC 60947-5-1<br>ISO 12100<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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| Actuator forcible withdrawal rtc | 500 N |
| Mechanical durability | 1000000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Cable entry | 1 entry tapped for 1/2" NPT |
| Electrical connection | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end |

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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| Positive opening | With NC contact |
| Positive opening minimum force | 15 N |
| Contacts type and composition | 1 NC + 1 NO |
| Solenoid contacts type and composition | 1 NC (slow-break) |
| Contact operation | Slow-break, break before make |
| Operating rate | 10 cyc/mn for maximum durability |
| [Us] rated supply voltage | 24 V - 20...10 % |
| Supply voltage type | AC/DC |
| Supply frequency | 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 300 V conforming to UL 508, 500 V conforming to IEC 60947-1, 300 V conforming to CSA C22.2 No 14 |
| [Ie] rated operational current | 0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1, 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1, 3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1, 1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A |
| Power consumption in VA | 10 VA |
| Electrical shock protection class | Class II conforming to IEC 61140 |
| Short-circuit protection | 10 A cartridge fuse type gG (gI) |
| Insulation | Double insulated |
| Width | 110 mm |
| Depth | 33 mm |
| Product weight | 0.36 kg |

## Environment

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| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |
| 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 | FR (France) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916046975 |
| Package 1 height | 11.5 cm |
| Package 1 width | 4 cm |
| Package 1 length | 11 cm |
| Package 1 weight | 0.44 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 22 |
| New Package 2 GTIN 14 | 13666916046972 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 9.988 kg |
| New Package 3 GTIN 14 | 23666916046979 |