

# Product data sheet

# XCSPL581

Safety switch XCSPL, 1NC+1NO, Pg11, rotary lever, hinge, centred

## Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Guard switch |
| Component name | XCSPL |
| ETIM classification | ETIM 9 - EC000030 - End switch |
| Head type | Turret head rotary lever |
| Material | Plastic |
| Lever material | Stainless steel |
| Enclosure material | Polyamide PA66 fibre glass impregnated |
| Type of operator | Elbowed flush lever |
| 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 |
| Operator direction information | Centred |
| Product certifications | BG<br>CSA<br>UL |
| Standards | CSA C22.2 No 14<br>EN 1088/ISO 14119<br>IEC 60204-1<br>IEC 60947-5-1<br>IEC 60947-5-4<br>ISO 12100<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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| Mechanical durability | 1000000 cycles |
| Minimum torque for tripping | 0.1 N.m |
| Cable entry | 1 entry tapped for Pg 11 |
| Contact code designation | A300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to IEC 60947-5-1, A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to IEC 60947-5-1, Q300, DC-13 (Ue = 125 V, Ie = 0.55 A) conforming to IEC 60947-5-1, Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to IEC 60947-5-1 |
| Electrical connection | Terminal |

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 torque | 0.25 N.m |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 300 V conforming to UL 508, 300 V conforming to CSA C22.2 No 14, 500 V (pollution degree 3) conforming to IEC 60947-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| Resistance across terminals | 30 mOhm conforming to IEC 60947-5-4 |
| Electrical shock protection class | Class II conforming to IEC 61140 |
| Short-circuit protection | 10 A cartridge fuse type gG (gI) |
| Insulation | Double insulated |
| Clamping connection capacity | 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Width | 30 mm |
| Depth | 30 mm |
| Product weight | 0.095 kg |

## Environment

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| IP degree of protection | IP67 conforming to IEC 60529 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 50 gn (f= 10-500 Hz) conforming to IEC 60068-2-6 |
| Protective treatment | TC<br>TH |

## 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 | 3666916046197 |

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| Package 1 height | 3.5 cm |
| Package 1 width | 3.9 cm |
| Package 1 length | 20.6 cm |
| Package 1 weight | 0.128 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 44 |
| New Package 2 GTIN 14 | 13666916046194 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 5.938 kg |
| Unit type of package 3 | S03 |
| Number of units in package 3 | 50 |
| New Package 3 GTIN 14 | 23666916046191 |
| Package 3 height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |