

xcspr551

safety switch XCSPR - spindle 30 mm - 1NC+1NO - Pg11



Main

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| Range of product | Preventa Safety detection |
| Product or component type | Guard switch |
| Component name | XCSPR |
| Material | Plastic |
| Head type | Turret head rotary axis |
| Insulation | Double insulated |
| Type of operator | Spindle 30 mm |
| Electrical connection | Terminal |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Slow-break, break before make |
| Clamping connection capacity | 1 x 0.5...2 x 1.5 mm ² with or without cable end |
| Cable entry | 1 entry tapped Pg 11 |
| Number of poles | 2 |

Complementary

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| Cable outer diameter | 7...10 mm |
| Positive opening | With NC contact |
| Tripping angle | 5 ° |
| Mechanical durability | 1000000 cycles |
| Minimum torque for tripping | 0.1 N.m |
| Positive opening minimum torque | 0.25 N.m |
| Contact code designation | A300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (Ue = 125 V, Ie = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 500 V (degree of pollution: 3) conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-5-1 |
| Resistance across terminals | <= 30 mOhm conforming to EN/IEC 60947-5-4 |
| Short circuit protection | 10 A cartridge fuse type gG (gl) |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/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) |
| Enclosure material | Polyamide PA66 fibre glass impregnated |
| Lever material | Stainless steel |
| Width | 30 mm |
| Height | 96 mm |
| Depth | 60 mm |
| Product weight | 0.105 kg |

Environment

The information provided in this documentation contains general descriptions and/or technical characteristics 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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| Standards | EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/ISO 12100 UL 508 CSA C22.2 No 14 |
| Product certifications | BG CSA UL |
| Protective treatment | TC TH |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 50 gn (f = 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Class of protection against electric shock | Class II conforming to IEC 60536 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0903 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |
| Product end of life instructions | Available |