



XCSPR553

safety switch XCSPR - spindle 30 mm - 1NC+1NO -1/2"NPT



Download your XCSPR553 datasheet



Characteristics | Documents & Downloads

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 1/2" NPT |
| 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 (U _e = 120 V, I _e = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (U _e = 240 V, I _e = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 125 V, I _e = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 250 V, I _e = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [I _{th}] conventional enclosed thermal current | 10 A |
| [U _i] 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 |
| [U _{imp}] 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 |

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|--------------------------------|--|
| | 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 - Hide

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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 - Hide

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|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1136 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available  download Product environmental |
| Product end of life instructions | Available  download End of life manual |