

Product data sheet

Specifications



Guard switch, Telemecanique Safety switches XCS, XCSPR, spindle 30 mm, 2NC+1 NO, M16

XCSPR952

Main

| | |
|-------------------------------|---|
| Range of product | Telemecanique Safety switches XCS |
| 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 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| Clamping connection capacity | 1 x 0.34...2 x 0.75 mm² with or without cable end |
| Cable entry | 1 entry tapped for M16 x 1.5 |
| Number of poles | 3 |

Complementary

| | |
|--|--|
| 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 |
| Minimum actuation speed | 0.1 m/s |
| Contact code designation | B300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to EN/IEC 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 400 V (pollution degree 3) conforming to EN/IEC 60947-1 |

| | |
|--|--|
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-5-1 |
| Maximum resistance across terminals | 30 mOhm conforming to EN/IEC 60947-5-4 |
| Short-circuit protection | 6 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 |
| Net weight | 0.105 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947-5-4 EN 1088/ISO 14119 UL 508 EN/IEC 60204-1 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/ISO 12100 |
| Product certifications | UL BG CSA |
| 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 |
| Electrical shock protection class | Class II conforming to EN/IEC 61140 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 160.0 g |
| Package 1 Height | 11.8 cm |
| Package 1 width | 11.5 cm |
| Package 1 Length | 3.8 cm |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |

| | |
|---------------------------|---|
| Circularity Profile | End of Life Information |
| 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 |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|