

# XCSPR951

Guard switch, Telemecanique Safety switches XCS, XCSPR, spindle 30 mm, 2NC+1 NO, Pg11



## 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 mm <sup>2</sup> with or without cable end |
| Cable entry                   | 1 entry tapped for Pg 11                                      |
| 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<br>B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to EN/IEC 60947-5-1<br>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<br>300 V conforming to CSA C22.2 No 14<br>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<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>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                                                                                                                                                                                                                                                                                                                       |

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## Environment

|                                       |                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-1<br>UL 508<br>EN/IEC 60947-5-4<br>EN/ISO 12100<br>EN/IEC 60204-1 |
| Product certifications                | UL[RETURN]CSA[RETURN]BG                                                                                                  |
| Protective treatment                  | TH<br>TC                                                                                                                 |
| 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 Height             | 3.8 cm  |
| Package 1 Width              | 11.5 cm |
| Package 1 Length             | 11.8 cm |
| Package 1 Weight             | 160.0 g |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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