

# Product data sheet

Specifications



## Guard switch, Telemecanique Safety switches XCS, XCSPR, spindle 80 mm, 2NC -1/2"NPT

XCSPR763

### 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 80 mm   |
| Electrical connection         | Terminal  |
| Contacts type and composition | 1 NC + 1 NC   |
| Contact operation             | Slow-break  |
| Clamping connection capacity  | 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end |
| Cable entry                   | 1 entry tapped for 1/2" NPT                                 |
| Number of poles               | 2   |

### 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   |
| Contact code designation                                  | A300, AC-15 (U <sub>e</sub> = 120 V, I <sub>e</sub> = 6 A) conforming to EN/IEC 60947-5-1<br>A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (U <sub>e</sub> = 125 V, I <sub>e</sub> = 0.55 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [I <sub>th</sub> e] conventional enclosed thermal current | 10 A   |
| [U <sub>i</sub> ] rated insulation voltage                | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>500 V (pollution degree 3) conforming to EN/IEC 60947-1   |
| [U <sub>imp</sub> ] rated impulse withstand voltage       | 6 kV conforming to EN/IEC 60947-5-1  |

|  |  |
|--|--|
| <b>Maximum resistance across terminals</b> | 30 mOhm conforming to EN/IEC 60947-5-4   |
| <b>Short-circuit protection</b>            | 10 A cartridge fuse type gG (gl)   |
| <b>Safety level</b>                        | 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 |
| <b>Safety reliability data</b>             | B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear   |
| <b>Enclosure material</b>                  | Polyamide PA66 fibre glass impregnated   |
| <b>Lever material</b>                      | Stainless steel  |
| <b>Width</b>                               | 30 mm  |
| <b>Height</b>                              | 96 mm  |
| <b>Depth</b>                               | 110 mm   |
| <b>Product weight</b>                      | 0.137 kg   |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | EN/IEC 60947-5-4<br>UL 508<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>EN 1088/ISO 14119<br>EN/ISO 12100<br>EN/IEC 60947-5-1 |
| <b>Product certifications</b>                | UL<br>BG<br>CSA  |
| <b>Protective treatment</b>                  | TC<br>TH   |
| <b>Ambient air temperature for operation</b> | -25...70 °C  |
| <b>Ambient air temperature for storage</b>   | -40...70 °C  |
| <b>Vibration resistance</b>                  | 50 gn (f= 10...500 Hz) conforming to IEC 60068-2-6   |
| <b>Shock resistance</b>                      | 50 gn for 11 ms conforming to IEC 60068-2-27   |
| <b>Electrical shock protection class</b>     | Class II conforming to EN/IEC 61140  |
| <b>IP degree of protection</b>               | IP67 conforming to IEC 60529   |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 11.8 cm |
| <b>Package 1 Width</b>              | 11.5 cm |
| <b>Package 1 Length</b>             | 3.8 cm  |
| <b>Package 1 Weight</b>             | 160.0 g |

## Offer Sustainability

|                                 |   |
|---------------------------------|---|
| <b>Sustainable offer status</b> | Green Premium product   |
| <b>REACH Regulation</b>         | <a href="#">REACH Declaration</a>   |
| <b>REACH free of SVHC</b>       | Yes   |
| <b>EU RoHS Directive</b>        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |

|                                   |   |
|-----------------------------------|---|
| <b>Mercury free</b>               | Yes   |
| <b>RoHS exemption information</b> | <a href="#">Yes</a>   |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>   |
| <b>California proposition 65</b>  | 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> |

**Recommended replacement(s)**