

# Product data sheet

Specifications



## safety limit switch - plastic - rotary lever - 2NC+1NO - 1entry tapped M20 x 1.5

XCSP3719P20

! Discontinued

! Discontinued on: Apr 30, 2021

! End-of-service on: Jun 16, 2021

### Main

|                               |  |
|-------------------------------|--|
| Range Of Product              | Telemecanique Safety switches XCS                                    |
| Product Or Component Type     | Safety limit switch  |
| Component Name                | XCSP   |
| Design                        | Compact  |
| Material                      | Plastic  |
| Head Type                     | Rotary head  |
| Protection Technology         | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Type Of Operator              | Steel roller lever   |
| Contacts Type And Composition | 1 NC + 1 NC + 1 NO   |
| Contact Operation             | Slow-break, break before make  |
| Cable Entry                   | 1 entry tapped for M20 x 1.5   |

### Complementary

|  |  |
|--|--|
| Electrical Connection                        | Terminal   |
| Clamping Connection Capacity                 | 1 x 0.34...2 x 0.75 mm <sup>2</sup>  |
| Switch Actuation                             | By 30° cam   |
| Number Of Poles                              | 3  |
| Positive Opening                             | With NC contact  |
| Mechanical Durability                        | 10000000 cycles  |
| Minimum Torque For Tripping                  | 0.1 N.m  |
| Positive Opening Minimum Torque              | 0.25 N.m   |
| Maximum Actuation Speed                      | 1.5 m/s  |
| Contact Code Designation                     | B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] Conventional Enclosed Thermal Current | 6 A  |
| [Ui] Rated Insulation Voltage                | 300 V conforming to UL 508<br>400 V (pollution degree 3) conforming to EN/IEC 60947-1<br>300 V conforming to CSA C22.2 No 14                                     |
| [Uimp] Rated Impulse Withstand Voltage       | 4 kV conforming to EN/IEC 60947-1<br>4 kV conforming to IEC 60664  |
| Maximum Resistance Across Terminals          | 25 MOhm conforming to IEC 60255-7 category 3   |

Disclaimer: 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

|                          |   |
|--------------------------|---|
| Short-Circuit Protection | 6 A cartridge fuse type gG (gl)   |
| Repeat Accuracy          | 0.1 mm on tripping points, 1 million operating cycles for head with end plunger |
| Body Material            | Plastic   |
| Head Material            | Zamak   |
| Enclosure Material       | Plastic   |
| Depth                    | 35 mm   |
| Height                   | 122 mm  |
| Width                    | 34 mm   |
| Net Weight               | 0.22 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | UL 508<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>CSA C22.2 No 14<br>EN/IEC 60204-1   |
| Product Certifications                | UL<br>CSA  |
| 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 = 50000000 value given for a life time of 20 years limited by mechanical or contact wear  |
| Protective Treatment                  | TC   |
| Ambient Air Temperature For Operation | -25...70 °C  |
| Ambient Air Temperature For Storage   | -40...70 °C  |
| Vibration Resistance                  | 25 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 NF C 20-030   |
| Ip Degree Of Protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529   |
| Ik Degree Of Protection               | IK04 conforming to EN 50102  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 13.2 cm |
| Package 1 Width              | 3.4 cm  |
| Package 1 Length             | 5 cm    |
| Package 1 Weight             | 157 g   |

## Contractual warranty

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

## Sustainability

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RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

**Eu Rohs Directive** Pro-active compliance (Product out of EU RoHS legal scope)  
[EU RoHS Declaration](#)