

# Product datasheet

Specifications



## safety switch XCSPL - straight lever - centred - 1NC+1NO -M16

Local distributor code: 388807268    XCSPL552

### Main

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Range of product               | Telemecanique Safety switches XCS               |
| Product or component type      | Guard switch                                    |
| Component name                 | XCSPL                                           |
| Material                       | Plastic                                         |
| Head type                      | Turret head rotary lever                        |
| Insulation                     | Double insulated                                |
| Type of operator               | Straight lever                                  |
| Operator direction information | Centred                                         |
| Electrical connection          | Terminal                                        |
| Contacts type and composition  | 1 NC + 1 NO                                     |
| Contact operation              | Slow-break, break before make                   |
| Clamping connection capacity   | 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Cable entry                    | 1 entry tapped for M16 x 1.5                    |
| 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 (Ue = 120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1<br>A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.55 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                   |
| [Ui] 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                                                                                                                                                           |

|                                        |                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                            |
| Maximum 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<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                                                                                                                                                                                                                                                                                                                |
| Width                                  | 30 mm                                                                                                                                                                                                                                                                                                                          |
| Height                                 | 161 mm                                                                                                                                                                                                                                                                                                                         |
| Depth                                  | 30 mm                                                                                                                                                                                                                                                                                                                          |
| Net weight                             | 0.095 kg                                                                                                                                                                                                                                                                                                                       |

## Environment

|                                       |                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN/ISO 12100<br>UL 508<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1 |
| Product certifications                | CSA<br>BG<br>UL                                                                                                          |
| Protective treatment                  | TC<br>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             | 125.0 g  |
| Package 1 Height             | 3.2 cm   |
| Package 1 width              | 3.8 cm   |
| Package 1 Length             | 20 cm    |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 1.663 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 15 cm    |

|                  |       |
|------------------|-------|
| Package 2 Length | 40 cm |
|------------------|-------|

Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                           |

Contractual warranty

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