

# XCSPL553

Guard switch, Telemecanique Safety switches  
XCS, XCSPL, straight lever, centred, 1NC+1  
NO -1/2"NPT



## 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 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 (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                             | EN/IEC 60204-1<br>EN/IEC 60947-5-4<br>UL 508<br>CSA C22.2 No 14<br>EN/ISO 12100<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119 |
| Product certifications                | CSA[RETURN]UL[RETURN]BG                                                                                                  |
| 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 Height             | 3.2 cm  |
| Package 1 Width              | 20.0 cm |
| Package 1 Length             | 3.8 cm  |
| Package 1 Weight             | 125.0 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>                                                                                                                                                                                                                                                                                                    |