

# XCSPR553

Guard switch, Telemecanique Safety switches  
XCS, XCSPR, spindle 30 mm, 1NC+1 NO  
-1/2"NPT



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 136.50 USD



## 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 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 1/2" NPT                                     |
| Number of poles               | 2                                                           |

## Complementary

|                                              |                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable outer diameter                         | 0.28...0.39 In (7...10 mm)                                                                                                                                                                                                 |
| Positive opening                             | With NC contact                                                                                                                                                                                                            |
| Tripping angle                               | 5 °                                                                                                                                                                                                                        |
| Mechanical durability                        | 1000000 Cycles                                                                                                                                                                                                             |
| Minimum torque for tripping                  | 0.89 Lbf.In (0.1 N.m)                                                                                                                                                                                                      |
| Positive opening minimum torque              | 2.21 Lbf.In (0.25 N.m)                                                                                                                                                                                                     |
| Contact code designation                     | A300, AC-15 (Ue = 120 V, Ie = 6 A)EN/IEC 60947-5-1<br>A300, AC-15 (Ue = 240 V, Ie = 3 A)EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.55 A)EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A)EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                       |
| [Ui] rated insulation voltage                | 300 VUL 508<br>300 VCSA C22.2 No 14<br>500 V 3)EN/IEC 60947-1                                                                                                                                                              |

|                                        |                                                                                                                                                                                                                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 6 KV EN/IEC 60947-5-1                                                                                                                                                                                                                                                                |
| Maximum resistance across terminals    | 30 MOhm EN/IEC 60947-5-4                                                                                                                                                                                                                                                             |
| Short-circuit protection               | 10 A cartridge fuse gG (gl)                                                                                                                                                                                                                                                          |
| Safety level                           | Can reach category 4 with the appropriate monitoring system and correctly-wired EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly-wired EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly-wired 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                                                                                                                                                                                                                                                                      |
| Maximum Width                          | 1.18 In (30 mm)                                                                                                                                                                                                                                                                      |
| Maximum Height                         | 3.78 In (96 mm)                                                                                                                                                                                                                                                                      |
| Maximum Depth                          | 2.36 In (60 mm)                                                                                                                                                                                                                                                                      |
| Net Weight                             | 0.23 Lb(US) (0.105 kg)                                                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>EN/IEC 60204-1 |
| Product Certifications                | CSA<br>UL<br>BG                                                                                                          |
| Protective treatment                  | TC<br>TH                                                                                                                 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                                                               |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                               |
| Vibration resistance                  | 50 gn 10...500 Hz)IEC 60068-2-6                                                                                          |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27                                                                                               |
| Electrical shock protection class     | Class II EN/IEC 61140                                                                                                    |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                                             |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 03389110177145                  |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 4.23 Oz (120 g)                 |
| Returnability         | No                              |
| Country of origin     | FR                              |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 1.77 In (4.5 cm)  |
| Package 1 width        | 4.13 In (10.5 cm) |
| Package 1 Length       | 2.60 In (6.6 cm)  |

## 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <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 |
|----------|-----------|

Product Life Status : **Commercialised**