



## Main

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Range of Product              | Telemecanique Safety switches XCS                                    |
| Product or Component Type     | Safety limit switch                                                  |
| Component name                | XCSD                                                                 |
| Design                        | Compact                                                              |
| Material                      | Metal                                                                |
| Head type                     | Plunger head                                                         |
| Protection technology         | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Type of approach              | On end approach                                                      |
| Type of operator              | Metal end plunger                                                    |
| Contacts type and composition | 1 NC + 1 NC + 1 NO                                                   |
| Contact operation             | Snap action                                                          |
| Cable entry                   | 1 entry tapped 1/2" NPT                                              |

## Complementary

|                                              |                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Connection                        | Terminal                                                                                                                           |
| Clamping connection capacity                 | 1 x 0.34...2 x 0.75 mm <sup>2</sup>                                                                                                |
| Number of poles                              | 3                                                                                                                                  |
| Positive opening                             | With NC contact                                                                                                                    |
| Mechanical durability                        | 15000000 cycles                                                                                                                    |
| Minimum force for tripping                   | 15 N                                                                                                                               |
| Positive opening minimum force               | 45 N                                                                                                                               |
| Minimum actuation speed                      | 0.03 ft/s (0.01 m/s)                                                                                                               |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)                                                                                                                |
| Contact code designation                     | B300, AC-15 (Ue = 240 V, Ie = 1.5 A)EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 6 A                                                                                                                                |
| [Ui] rated insulation voltage                | 300 VUL 508<br>400 V 3)EN/IEC 60947-1<br>300 VCSA C22.2 No 14                                                                      |
| [Uimp] rated impulse withstand voltage       | 4 kV EN/IEC 60947-1<br>4 kV IEC 60664                                                                                              |
| Maximum resistance across terminals          | 25 MOhm IEC 60255-7 category 3                                                                                                     |
| Short-circuit protection                     | 6 A cartridge fuse gG (gl)                                                                                                         |
| Repeat accuracy                              | 0.1 mm on tripping points, 1 million operating cycles for head with end plunger                                                    |
| Body Material                                | Zamak                                                                                                                              |
| Head material                                | Zamak                                                                                                                              |
| Enclosure Material                           | Plastic                                                                                                                            |
| Depth                                        | 1.38 in (35 mm)                                                                                                                    |
| Height                                       | 3.50 in (89 mm)                                                                                                                    |
| Width                                        | 1.34 in (34 mm)                                                                                                                    |
| Net Weight                                   | 0.47 lb(US) (0.215 kg)                                                                                                             |

## Environment

|                                       |                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>UL 508                                                                                                                                                                                                 |
| Product Certifications                | UL<br>CSA                                                                                                                                                                                                                                                                            |
| 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 = 50000000 value given for a life time of 20 years limited by mechanical or contact wear                                                                                                                                                                                        |
| Protective treatment                  | TC                                                                                                                                                                                                                                                                                   |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                                                                                                                                                                                                                                           |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                                           |
| Vibration resistance                  | 25 gn 10...500 Hz)IEC 60068-2-6                                                                                                                                                                                                                                                      |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27                                                                                                                                                                                                                                                           |
| Electrical shock protection class     | Class I NF C 20-030<br>Class I EN/IEC 61140                                                                                                                                                                                                                                          |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529                                                                                                                                                                                                                         |
| IK degree of protection               | IK06 EN 50102                                                                                                                                                                                                                                                                        |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 3389110240764                   |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 7.72 oz (219 g)                 |
| Returnability         | Yes                             |
| Country of origin     | FR                              |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 4.13 in (10.5 cm) |
| Package 1 width        | 1.30 in (3.3 cm)  |
| Package 1 Length       | 1.69 in (4.3 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>                                                                                                                                                                                                                                                 |

## Contractual warranty

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