



## Main

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Range of product              | Telemecanique Safety switches XCS                                    |
| Product or component type     | Safety limit switch                                                  |
| Component name                | XCSM                                                                 |
| Design                        | Miniature                                                            |
| 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                                                          |

## Complementary

|                                        |                                                                                                                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical connection                  | Pre-cabled                                                                                                                                                                                                                                 |
| Cable length                           | 6.56 ft (2 m)                                                                                                                                                                                                                              |
| Cable composition                      | 7 x 0.5 mm <sup>2</sup>                                                                                                                                                                                                                    |
| Fixing mode                            | By the body                                                                                                                                                                                                                                |
| Number of poles                        | 3                                                                                                                                                                                                                                          |
| Positive opening                       | With NC contact                                                                                                                                                                                                                            |
| Mechanical durability                  | 10000000 cycles                                                                                                                                                                                                                            |
| Minimum force for tripping             | 8.5 N                                                                                                                                                                                                                                      |
| Positive opening minimum force         | 42.5 N                                                                                                                                                                                                                                     |
| Minimum actuation speed                | 0.01 m/min                                                                                                                                                                                                                                 |
| 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 60947-5-1<br>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 60947-5-1<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 VUL 508<br>400 V (pollution degree 3) conforming to IEC 60947-5-1<br>300 VCSA C22.2 No 14                                                                                                                                              |
| [Uimp] rated impulse withstand voltage | 4 kV IEC 60664<br>4 kV IEC 60947-1                                                                                                                                                                                                         |
| Maximum resistance across terminals    | 25 MOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                               |
| Short-circuit protection               | 6 A cartridge fuse gG (gl)                                                                                                                                                                                                                 |
| Repeat accuracy                        | 0.05 mm on the tripping points                                                                                                                                                                                                             |
| Body material                          | Zamak                                                                                                                                                                                                                                      |
| Head material                          | Zamak                                                                                                                                                                                                                                      |
| Maximum Depth                          | 0.63 in (16 mm)                                                                                                                                                                                                                            |
| Height                                 | 2.36 in (60 mm)                                                                                                                                                                                                                            |
| Width                                  | 1.18 in (30 mm)                                                                                                                                                                                                                            |
| Net Weight                             | 0.36 lb(US) (0.165 kg)                                                                                                                                                                                                                     |

## Environment

|                                       |                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508<br>EN 1088                                                                                                                                                                                                           |
| Product certifications                | CSA<br>UL                                                                                                                                                                                                                                                                            |
| 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                  | 5 gn 10...500 Hz)IEC 60068-2-6                                                                                                                                                                                                                                                       |
| Shock resistance                      | 25 gn 18 ms IEC 60068-2-27                                                                                                                                                                                                                                                           |
| Electrical shock protection class     | Class I conforming to 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<br>IP68 conforming to IEC 60529                                                                                                                                                                                         |
| IK degree of protection               | IK06 conforming to EN 50102                                                                                                                                                                                                                                                          |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 00785901647188                  |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 1.2 lb(US) (0.54 kg)            |
| Returnability         | No                              |
| Country of origin     | ID                              |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.200 dm |
| Package 1 width  | 1.500 dm |
| Package 1 Length | 1.500 dm |

## 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 |
|----------|-----------|