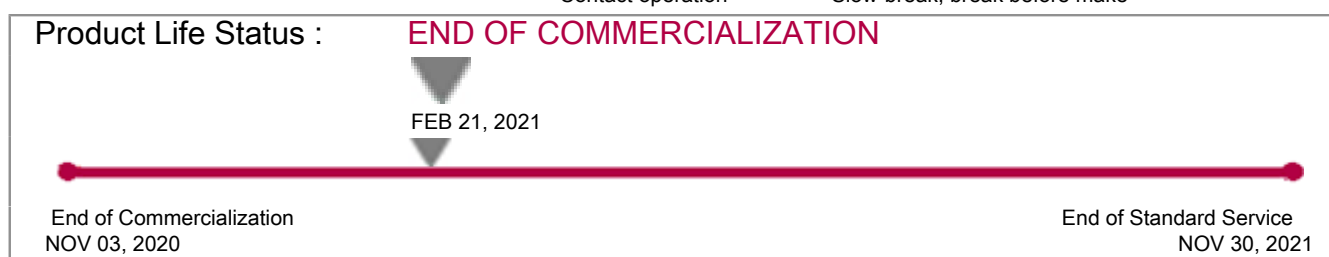




## Main

|                               |                                          |
|-------------------------------|------------------------------------------|
| Range of product              | Telemecanique Limit switches XC Standard |
| Series name                   | Standard format                          |
| Product or component type     | Limit switch                             |
| Device short name             | XCKP                                     |
| Sensor design                 | Compact                                  |
| Body type                     | Fixed                                    |
| Head type                     | Multi-directional head                   |
| Material                      | Plastic                                  |
| Body material                 | Plastic                                  |
| Head material                 | Zamak                                    |
| Fixing mode                   | By the body                              |
| Movement of operating head    | Multi-directional                        |
| Type of operator              | Spring return cat's whisker              |
| Type of approach              | Multi-directional approach               |
| Number of poles               | 2                                        |
| Contacts type and composition | 1 NC + 1 NO                              |
| Contact operation             | Slow-break, break before make            |



## Complementary

|                             |                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation            | By any moving part                                                                                                                                                           |
| Electrical connection       | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm <sup>2</sup>                                                                                                  |
| Cable entry                 | 1 entry tapped for M16 x 1.5 cable gland, cable outer diameter: 4...8 mm                                                                                                     |
| Contacts insulation form    | Zb                                                                                                                                                                           |
| Positive opening            | Without                                                                                                                                                                      |
| Minimum torque for tripping | 0.13 N.m                                                                                                                                                                     |
| Maximum actuation speed     | 1 m/s                                                                                                                                                                        |
| Repeat accuracy             | 0.1 mm on the tripping points with 1 million operating cycles                                                                                                                |
| Contact code designation    | A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to EN/IEC 60947-5-1 appendix A |

|                                        |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage          | 300 V conforming to UL 508<br>500 V (pollution degree 3) conforming to IEC 60947-1<br>300 V conforming to CSA C22.2 No 14                                                                                                                                                                                                                                              |
| Maximum resistance across terminals    | 25 MOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60664<br>6 kV IEC 60947-1                                                                                                                                                                                                                                                                                                                                     |
| Short-circuit protection               | 10 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                                                           |
| Electrical durability                  | 5000000 Cycles, DC-13, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, 24 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 48 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability                  | 5000000 cycles                                                                                                                                                                                                                                                                                                                                                         |
| Width                                  | 31 mm                                                                                                                                                                                                                                                                                                                                                                  |
| Height                                 | 65 mm                                                                                                                                                                                                                                                                                                                                                                  |
| Depth                                  | 30 mm                                                                                                                                                                                                                                                                                                                                                                  |
| Net weight                             | 0.085 kg                                                                                                                                                                                                                                                                                                                                                               |
| Terminals description ISO n°1          | (13-14)NO<br>(21-22)NC                                                                                                                                                                                                                                                                                                                                                 |

## Environment

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Shock resistance                      | 50 gn for 11 ms conforming to IEC 60068-2-27                                            |
| Vibration resistance                  | 25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6                                      |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529                            |
| IK degree of protection               | IK04 conforming to EN 50102                                                             |
| Electrical shock protection class     | Class II conforming to IEC 61140<br>Class II conforming to NF C 20-030                  |
| Ambient air temperature for operation | -25...70 °C                                                                             |
| Ambient air temperature for storage   | -40...70 °C                                                                             |
| Protective treatment                  | TC                                                                                      |
| Product certifications                | CCC<br>UL<br>CSA                                                                        |
| Standards                             | IEC 60204-1<br>EN 60947-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>EN 60204-1<br>UL 508 |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.083 kg |
| Package 1 Height | 0.330 dm |
| Package 1 width  | 0.390 dm |
| Package 1 Length | 2.040 dm |

## 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)  <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

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

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[illegible]

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## Mounting with Cable Entry

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### Position of Cable Gland



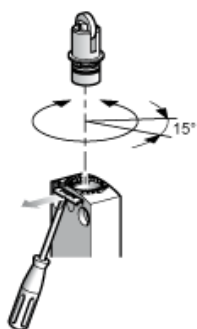
- (1) Recommended
- (2) To be avoided

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## Setting-up

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### Plunger or Multi-directional Heads



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## Wiring Diagram

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2-pole NC + NO Break before Make, Slow Break

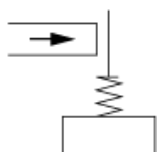


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## Characteristics of Actuation

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### Switch Actuation by Any Moving Part



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## Functionnal Diagram

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