



Main

|                               |  |
|-------------------------------|--|
| Range of Product              | Telemecanique Limit switches XC Standard |
| Series name                   | Standard format                          |
| Product or Component          | Limit switch                             |
| Type                          |  |
| Device short name             | XCKD                                     |
| Sensor design                 | Compact form A CENELEC EN 50047          |
| Body type                     | Fixed                                    |
| Head type                     | Rotary head                              |
| Material                      | Metal                                    |
| Body Material                 | Zamak                                    |
| Head material                 | Zamak                                    |
| Fixing Mode                   | By the body                              |
| Movement of operating head    | Rotary                                   |
| Type of operator              | Spring return roller lever thermoplastic |
| Type of approach              | Lateral approach, 2 directions           |
| Number of poles               | 2  |
| Contacts type and composition | 1 NC + 1 NO                              |
| Contact operation             | Snap action                              |

Complementary

|   |   |
|---|---|
| Tracks                                  | 24/40 mm  |
| Switch actuation                        | By 30° cam  |
| Electrical connection                   | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm <sup>2</sup>  |
| Cable entry                             | 1 entry tapped for 1/2" NPT cable gland   |
| Contacts insulation form                | Zb  |
| Positive opening                        | With  |
| Positive opening minimum torque         | 2.21 lbf.in (0.25 N.m)  |
| Minimum torque for tripping             | 0.89 lbf.in (0.1 N.m)   |
| Maximum actuation speed                 | 4.92 ft/s (1.5 m/s)   |
| Contact code designation                | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix A  |
| [Ui] rated insulation voltage           | 300 VUL 508<br>500 V 3)IEC 60947-1<br>300 VCSA C22.2 No 14  |
| Maximum resistance across terminals     | 25 MOhm IEC 60255-7 category 3  |
| [Uiimp] rated impulse withstand voltage | 6 kV IEC 60664<br>6 kV IEC 60947-1  |
| Short-circuit protection                | 10 A cartridge fuse gG  |
| Electrical durability                   | 5000000 Cycles, DC-13, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability                   | 10000000 cycles   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27  |
| Vibration resistance                  | 25 gn 10...500 Hz)IEC 60068-2-6   |
| IK degree of protection               | IK06 EN 50102   |
| Electrical shock protection class     | Class I IEC 61140<br>Class I NF C 20-030  |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)  |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)  |
| Protective treatment                  | TC  |
| Product Certifications                | UL<br>CCC<br>CSA  |
| Standards                             | IEC 60947-5-1<br>EN 60204-1<br>IEC 60204-1<br>UL 508<br>CSA C22.2 No 14<br>EN 60947-5-1 |

## Ordering and shipping details

|                   |                                  |
|-------------------|----------------------------------|
| Category          | 22418-LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule | T                                |
| GTIN              | 3389110305500                    |
| Returnability     | Yes                              |
| Country of origin | FR                               |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 5.00 in (12.7 cm) |
| Package 1 Width              | 1.26 in (3.2 cm)  |
| Package 1 Length             | 1.85 in (4.7 cm)  |
| Package 1 Weight             | 8.43 oz (239.0 g) |

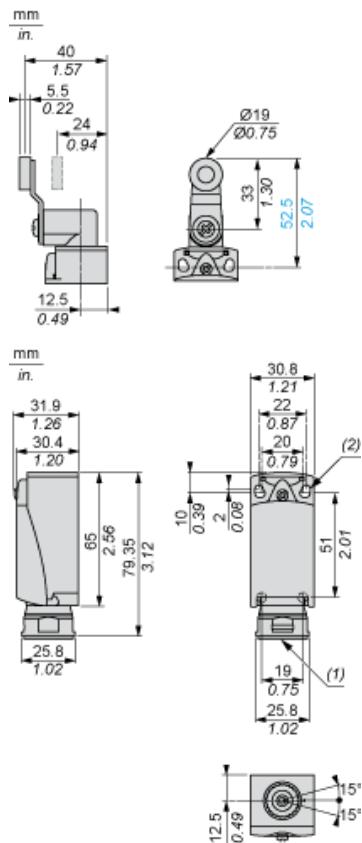
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |  Yes   |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>   |

## Contractual warranty

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

Dimensions



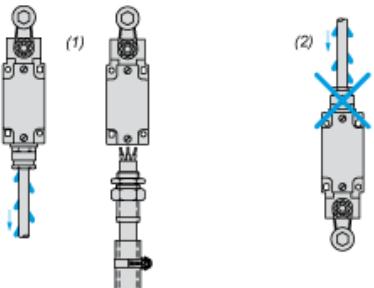
(1) Tapped entry for 1/2" NPT  
(2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

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### Mounting with Cable Entry

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#### Position of Cable Gland



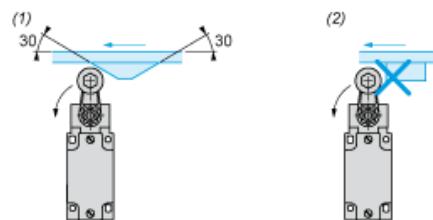
(1) Recommended  
(2) To be avoided

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### Mounting with Rotary Heads and Levers

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#### Type of Cam

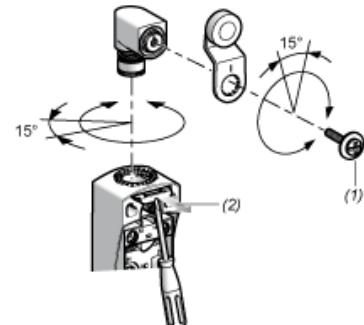


(1) Recommended  
(2) To be avoided

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### Setting-up with Head ZCE01 and ZCE09

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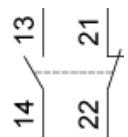
(1) Tightening torque (Min : 1) (Max : 1.5)  
(2) Tightening torque (Min : 0.8) (Max : 1.2)

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Wiring Diagram

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2-pole NC + NO Snap Action

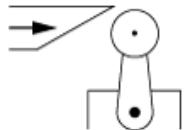


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### Characteristics of Actuation

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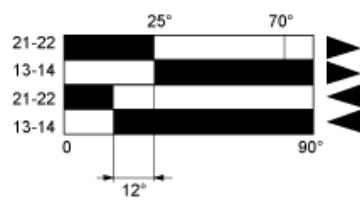
#### Switch Actuation by 30° Cam



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### Functional Diagram

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- (1) Closed
- (2) Open
- ▶ (4) Tripping
- ◀ (5) Resetting