



## Main

|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| Range of product              | OsiSense XC                                                                     |
| Series name                   | Standard format                                                                 |
| Product or component type     | Limit switch                                                                    |
| Device short name             | XCKD                                                                            |
| Sensor design                 | Compact                                                                         |
| 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 variable length, roller diameter 50 mm |
| Type of approach              | Lateral approach, 2 directions                                                  |
| Number of poles               | 2                                                                               |
| Contacts type and composition | 1 NC + 1 NO                                                                     |
| Contact operation             | Snap action                                                                     |

## Complementary

|                                        |                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Pg 11 cable gland                                                                                                                                                                                                             |
| Contacts insulation form               | Zb                                                                                                                                                                                                                                               |
| Positive opening                       | With                                                                                                                                                                                                                                             |
| Minimum torque for tripping            | 0.89 lbf.in (0.1 N.m)                                                                                                                                                                                                                            |
| Maximum actuation speed                | 4.92 ft/s (1.5 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 10 A EN 60947-5-1<br>A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN 60947-5-1<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A 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                                                                                                                                                                                                                   |
| [Uimp] 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                                                                                                                                                                                                                                  |
| Maximum Width                          | 1.22 in (31 mm)                                                                                                                                                                                                                                  |
| Height                                 | 2.56 in (65 mm)                                                                                                                                                                                                                                  |
| Depth                                  | 1.18 in (30 mm)                                                                                                                                                                                                                                  |

|                               |                        |
|-------------------------------|------------------------|
| Net Weight                    | 0.54 lb(US) (0.245 kg) |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |

## Environment

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27                                                              |
| Vibration resistance                  | 25 gn 10...500 Hz)IEC 60068-2-6                                                         |
| IP degree of protection               | IP66IEC 60529<br>IP67IEC 60529                                                          |
| 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                | CSA<br>UL<br>CCC                                                                        |
| Standards                             | EN 60204-1<br>CSA C22.2 No 14<br>IEC 60204-1<br>EN 60947-5-1<br>UL 508<br>IEC 60947-5-1 |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22418 - LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule     | T                                  |
| GTIN                  | 03389110310153                     |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)                 |
| Returnability         | No                                 |
| Country of origin     | FR                                 |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.530 dm |
| Package 1 width  | 0.530 dm |
| Package 1 Length | 1.430 dm |

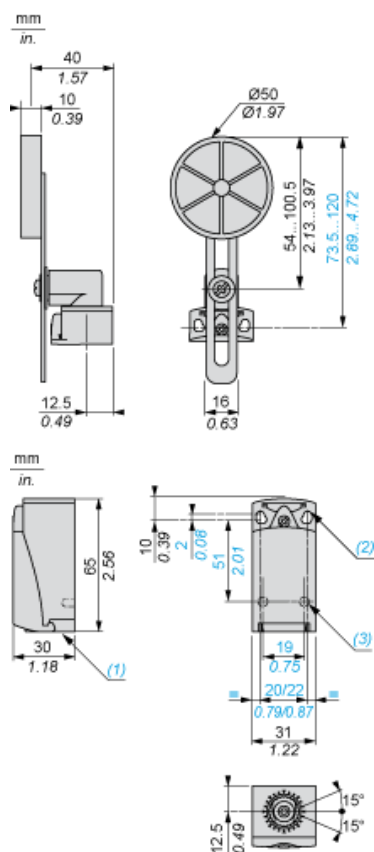
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                                                                                                                                                                                                                                                     |

## Contractual warranty

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

## Dimensions



- (1) Tapped entry for Pg 11 cable gland
- (2) 2 elongated holes  $\varnothing 4.3 \times 6.3$  mm on 22 mm centres, 2 holes  $\varnothing 4.3$  on 20 mm centres.
- (3) 2 x  $\varnothing 3$  holes for support studs, depth 4 mm.

## Mounting with Cable Entry

### Position of Cable Gland



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

## Mounting with Rotary Heads and Levers

### Type of Cam



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

## Setting-up with Head ZCE01 and ZCE09



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

---

## Wiring Diagram

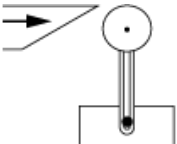
---

2-pole NC + NO Snap Action

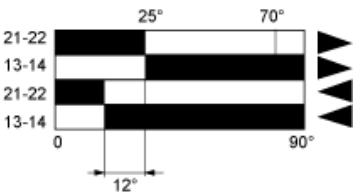


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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

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