



## 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 (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, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                |
| Cable entry                            | 1 entry tapped for M16 x 1.5 cable gland, cable outer diameter: 0.16...0.31 in (4...8 mm)                                                                                                                                                                                                                                                                                                   |
| Contacts insulation form               | Zb                                                                                                                                                                                                                                                                                                                                                                                          |
| Positive opening                       | With                                                                                                                                                                                                                                                                                                                                                                                        |
| Minimum torque for tripping            | 0.88 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) , Ithe = 10 A conforming to EN 60947-5-1<br>A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN 60947-5-1<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to IEC 60947-5-1 appendix A                                                                  |
| [Ui] rated insulation voltage          | 500 V degree of pollution 3 conforming to IEC 60947-1<br>300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14                                                                                                                                                                                                                                                                  |
| Resistance across terminals            | <= 25 MOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                              |
| Short-circuit protection               | 10 A cartridge fuse gG                                                                                                                                                                                                                                                                                                                                                                      |
| Electrical durability                  | 5000000 cycles, DC-13, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5, DC 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, DC 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, DC conforming to IEC 60947-5-1 appendix C |
| Mechanical durability                  | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                             |
| Width                                  | 1.22 in (31 mm)                                                                                                                                                                                                                                                                                                                                                                             |
| Height                                 | 2.56 in (65 mm)                                                                                                                                                                                                                                                                                                                                                                             |
| Depth                                  | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                                                                             |

|                               |                        |
|-------------------------------|------------------------|
| Product weight                | 0.52 lb(US) (0.235 kg) |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |

## Environment

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| shock resistance                      | 50 gn (duration = 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               | IK06 conforming to EN 50102                                                             |
| electrical shock protection class     | Class I conforming to IEC 61140<br>Class I conforming to 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                | CCC<br>CSA<br>UL                                                                        |
| standards                             | EN 60204-1<br>EN 60947-5-1<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

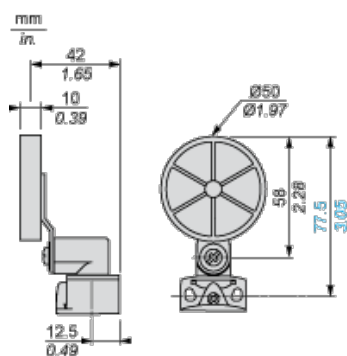
## Offer Sustainability

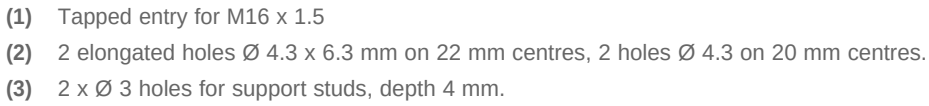
|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1002 - Schneider Electric declaration of conformity                                                      | Compliant - since 1002 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | 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. | 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>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

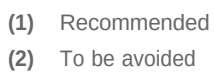
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions

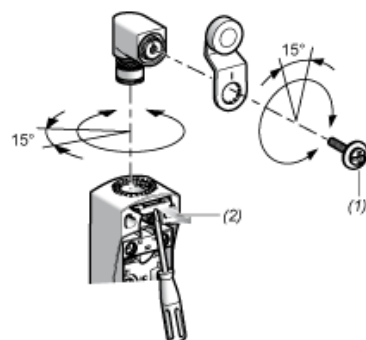
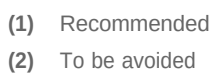




### Position of Cable Gland



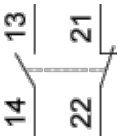
### Type of Cam



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

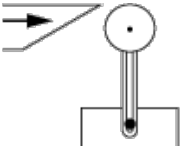
### Wiring Diagram

2-pole NC + NO Snap Action

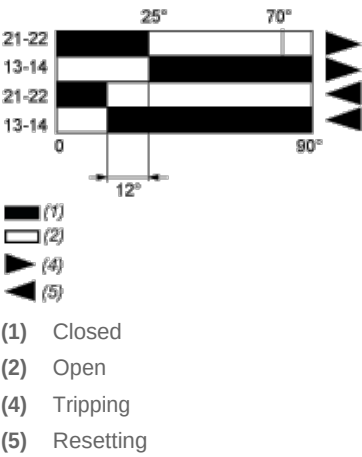


### Characteristics of Actuation

Switch Actuation by 30° Cam



### Functionnal Diagram





**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331