



## Main

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Range of product              | OsiSense XC                                                      |
| Series name                   | Standard format                                                  |
| Product or component type     | Limit switch                                                     |
| Device short name             | XCKP                                                             |
| Sensor design                 | Compact                                                          |
| Body type                     | Fixed                                                            |
| Head type                     | Rotary head                                                      |
| Material                      | Plastic                                                          |
| Body material                 | Plastic                                                          |
| 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             | Slow-break, break before make                                    |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                       | By 30° cam                                                                                                                                                                                                                                                                                                                                                                      |
| 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: 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               | Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A<br>A300, AC-15 (Ue = 240 V, Ie = 3 A), Ithe = 10 A conforming to EN/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 by gG cartridge fuse                                                                                                                                                                                                                                                                                                                                                       |
| 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                  | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                 |
| Width                                  | 1.22 in (31 mm)                                                                                                                                                                                                                                                                                                                                                                 |
| Height                                 | 2.56 in (65 mm)                                                                                                                                                                                                                                                                                                                                                                 |
| Depth                                  | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                                                                 |
| Product weight                         | 0.32 lb(US) (0.145 kg)                                                                                                                                                                                                                                                                                                                                                          |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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               | 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 | -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 |

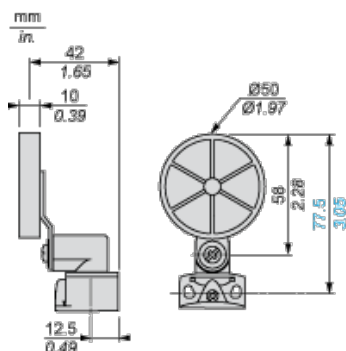
## Offer Sustainability

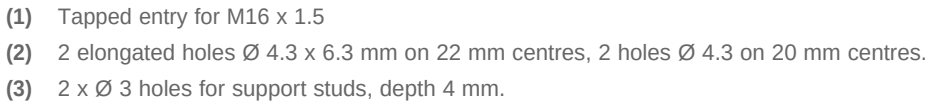
|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1037 - Schneider Electric declaration of conformity                                                      | Compliant - since 1037 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| 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

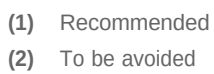
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions

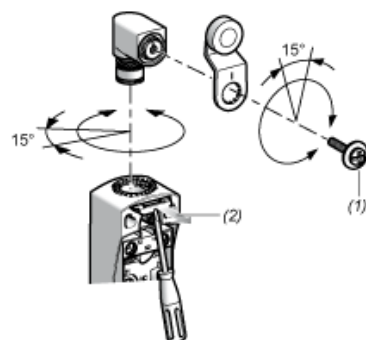
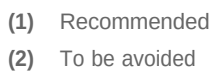




### Position of Cable Gland



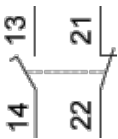
### Type of Cam



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

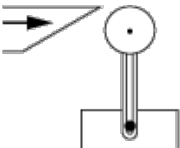
Wiring Diagram

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

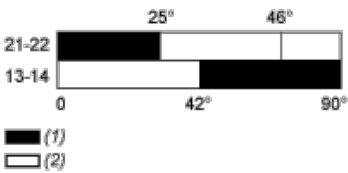


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (1) Closed
- (2) Open



**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.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**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