



### Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | OsiSense XC                          |
| Series name                   | Standard format                      |
| Product or component type     | Limit switch                         |
| Device short name             | XCKN                                 |
| Sensor design                 | Compact                              |
| Body type                     | Fixed                                |
| Head type                     | Plunger head                         |
| Material                      | Plastic                              |
| Body material                 | Plastic                              |
| Head material                 | Plastic                              |
| Fixing mode                   | By the body                          |
| Movement of operating head    | Linear                               |
| Type of operator              | Spring return plunger metal          |
| Type of approach              | Vertical approach 1 direction        |
| Cable entry                   | 1 entry tapped for Pg 11 cable gland |
| Number of poles               | 2                                    |
| Contacts type and composition | 2 NC                                 |
| Contact operation             | Slow-break, simultaneous             |
| Sale per indivisible quantity | 20                                   |

### Complementary

|                                        |                                                                                                                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                       | On end                                                                                                                                                                                                                                     |
| Electrical connection                  | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>                                                                                                                                                               |
| Contacts insulation form               | Zb                                                                                                                                                                                                                                         |
| Positive opening                       | With                                                                                                                                                                                                                                       |
| Positive opening minimum force         | 30 N                                                                                                                                                                                                                                       |
| Minimum force for tripping             | 15 N                                                                                                                                                                                                                                       |
| Maximum actuation speed                | 1.64 ft/s (0.5 m/s)                                                                                                                                                                                                                        |
| Contact code designation               | R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A<br>A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A), I <sub>the</sub> = 10 A conforming to EN/IEC 60947-5-1<br>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                                                                                                                 |
| [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 type gG                                                                                                                                                                                                                |
| Mechanical durability                  | 10000000 cycles                                                                                                                                                                                                                            |
| Width                                  | 1.18 in (30 mm)                                                                                                                                                                                                                            |
| Height                                 | 2.95 in (75 mm)                                                                                                                                                                                                                            |
| Depth                                  | 1.18 in (30 mm)                                                                                                                                                                                                                            |
| Product weight                         | 0.14 lb(US) (0.065 kg)                                                                                                                                                                                                                     |
| Terminals description ISO n°1          | (11-12)NC<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               | IP65 conforming to IEC 60529                                           |
| IK degree of protection               | IK04 conforming to EN 50102                                            |
| overvoltage category                  | 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/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14        |

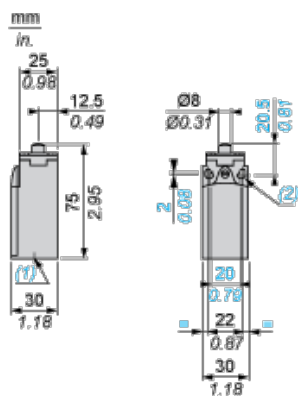
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1038 - Schneider Electric declaration of conformity                                                      | Compliant - since 1038 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| 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



- (1) 1 tapped entry for Pg 11 cable gland
- (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

## Mounting with Cable Entry

### Position of Cable Gland

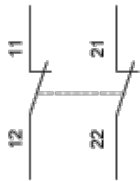


(1) Recommended

(2) To be avoided

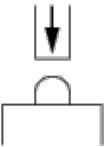
## Wiring Diagram

2-pole NC + NC Simultaneous, Slow Break

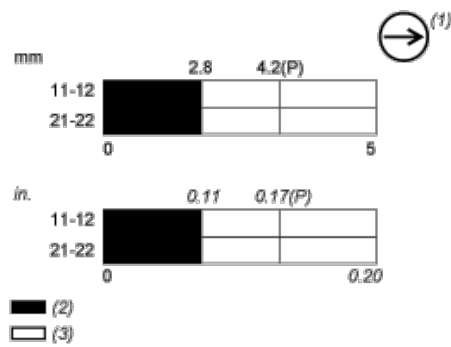


## Characteristics of Actuation

Switch Actuation on End



## Functionnal Diagram



(P) Positive opening point

(1) NC contact with positive opening operation

(2) Closed

(3) Open

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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