



## Main

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| Range of product              | OsiSense XC                                                                                |
| Series name                   | Special format                                                                             |
| Product or component type     | Limit switch                                                                               |
| Product specific application  | Materials handling                                                                         |
| Device short name             | XC1AC                                                                                      |
| Sensor design                 | -                                                                                          |
| Body type                     | Fixed                                                                                      |
| Head type                     | Plunger head                                                                               |
| Material                      | Metal                                                                                      |
| Fixing mode                   | By the body                                                                                |
| Movement of operating head    | Linear                                                                                     |
| Type of operator              | Spring return roller lever metal -                                                         |
| Switch actuation              | By 30° cam                                                                                 |
| Type of approach              | Lateral approach 2 directions                                                              |
| Electrical connection         | Screw-clamp terminals, 1 x 0.5...1 x 2.5 mm <sup>2</sup>                                   |
| Cable entry                   | 3 entries tapped for Pg 13.5 cable gland, cable outer diameter: 0.35...0.47 in (9...12 mm) |
| Number of poles               | 2                                                                                          |
| Contacts type and composition | 1 NC + 1 NO                                                                                |
| Contact operation             | Slow-break, make before break                                                              |
| Number of steps               | 1                                                                                          |
| Positive opening              | Without                                                                                    |
| Minimum force for tripping    | 23 N                                                                                       |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form                     | Zb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum actuation speed                      | 3.28 ft/s (1 m/s) from left<br>1.64 ft/s (0.5 m/s) from right                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ui] rated insulation voltage                | 500 V AC IEC 60947-5-1<br>500 V AC NF C 20-040<br>600 V DC IEC 60947-5-1<br>600 V DC NF C 20-040<br>600 V AC CSA C22.2 No 14<br>600 V DC CSA C22.2 No 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Resistance across terminals                  | <= 8 mOhm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Short-circuit protection                     | 10 A cartridge fuse gG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Electrical durability                        | 1000000 cycles AC-15, 110 V 900 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>1000000 cycles AC-15, 230 V 1900 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>1000000 cycles AC-15, 48 V 450 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>1000000 cycles DC-13, 110 V 100 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type<br>1000000 cycles DC-13, 230 V 95 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type<br>1000000 cycles DC-13, 48 V 100 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type<br>3000000 cycles AC-15, 110 V 350 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>3000000 cycles AC-15, 230 V 430 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>3000000 cycles AC-15, 48 V 170 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type<br>3000000 cycles DC-13, 110 V 40 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

60947-5-1 appendix C inductive load type  
 3000000 cycles DC-13, 230 V 33 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC  
 60947-5-1 appendix C inductive load type  
 3000000 cycles DC-13, 48 V 35 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC  
 60947-5-1 appendix C inductive load type

|                               |                        |
|-------------------------------|------------------------|
| Mechanical durability         | 10000000 cycles        |
| Width                         | 3.03 in (77 mm)        |
| Height                        | 6.18 in (157 mm)       |
| Depth                         | 1.73 in (44 mm)        |
| Product weight                | 1.92 lb(US) (0.87 kg)  |
| Terminals description ISO n°1 | (11-12)NC<br>(21-22)NC |

## Environment

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| shock resistance                      | 95 gn 11 ms IEC 60068-2-27                                                      |
| vibration resistance                  | 9 gn 10...500 Hz IEC 60068-2-6                                                  |
| IP degree of protection               | IP65 IEC 60529<br>IP65 NF C 20-010                                              |
| 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                                                                              |
| operating position                    | Any position                                                                    |
| product certifications                | CSA                                                                             |
| standards                             | EN 60947-5-1<br>IEC 60337-1<br>IEC 60947-5-1<br>VDE 0660-200<br>CSA C22.2 No 14 |

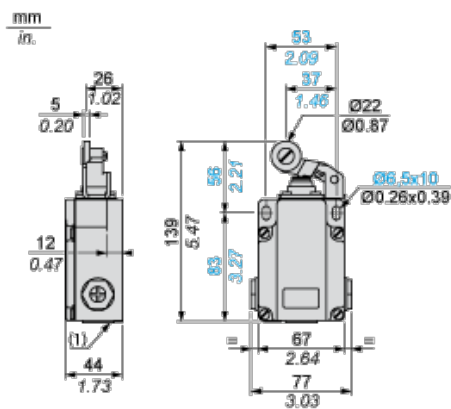
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Will not be Compliant                                                                                                      | Will not be Compliant                                                                                                      |
| 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

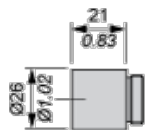
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



(1) 3 tapped entries for Pg 13.5 cable gland

## Adaptator Dimensions for ISO M20 x 1.5



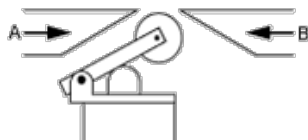
## Wiring Diagram

2-pole NO + NC Make Before Break

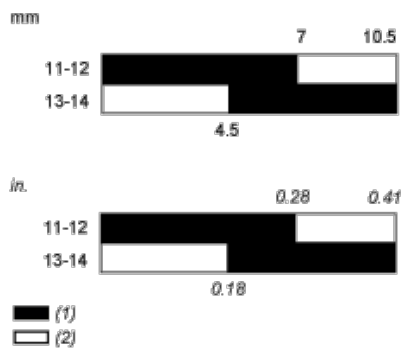


## Characteristics of Actuation

Switch Actuation by 30° Cam



## Functionnal Diagram



(1) Closed  
(2) 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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