

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | OsiSense XC                          |
| Series name                   | Standard format                      |
| Product or component type     | Limit switch                         |
| Device short name             | XCNR                                 |
| Sensor design                 | Compact                              |
| Reset                         | With                                 |
| 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 roller plunger plastic |
| Type of approach              | Lateral approach 2 directions        |
| Number of poles               | 2                                    |
| Contacts type and composition | 2 NC                                 |
| 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 Pg 11 cable gland                                                                                                                                         |
| Contacts insulation form               | Zb                                                                                                                                                                           |
| Positive opening                       | With                                                                                                                                                                         |
| Positive opening minimum force         | 20 N                                                                                                                                                                         |
| Minimum force for tripping             | 12 N                                                                                                                                                                         |
| Maximum actuation speed                | 0.98 ft/s (0.3 m/s)                                                                                                                                                          |
| Contact code designation               | A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 V conforming to CSA C22.2 No 14<br>300 V conforming to UL 508<br>500 V degree of pollution 3 conforming to EN/IEC 60947-1                                                |
| [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                  | 100000 cycles                                                                                                                                                                |

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## Environment

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Shock resistance                      | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                                   |
| Vibration resistance                  | 25 gn 10...500 Hz IEC 60068-2-6                                                         |
| IP degree of protection               | IP65 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 20030                   |
| 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 |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22435 - LIMIT SWITCHES,TYPE XCM |
| Discount Schedule     | T                               |
| GTIN                  | 003389119034456                 |
| Nbr. of units in pkg. | 20                              |
| Package weight(Lbs)   | 0.70000000000000007             |
| Returnability         | N                               |
| Country of origin     | ID                              |

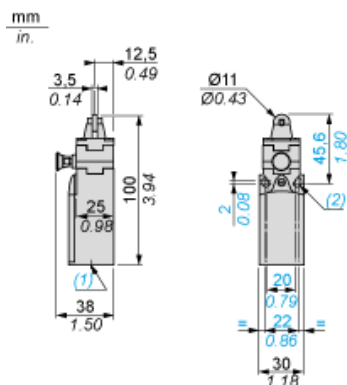
## Offer Sustainability

|                            |                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                    |
| RoHS (date code: YYWW)     | Compliant - since 1038 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH                      | Reference not containing SVHC above the threshold                                                                                                                                                        |
| California proposition 65  | WARNING: This product can expose you to chemicals including:                                                                                                                                             |
| - - - - - Substance 1      | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                                                                                              |
| - - - - - Substance 2      | Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.                                                                                |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                                                                                            |

## Contractual warranty

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

## Dimensions



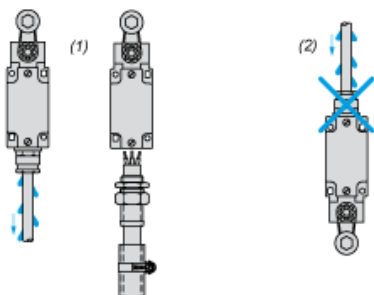
- (1) 1 tapped entry for Pg 11 cable gland  
(2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

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## Mounting with Cable Entry

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### Position of Cable Gland



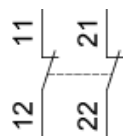
- (1) Recommended  
(2) To be avoided

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Wiring Diagrams

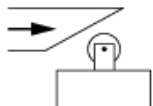
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2-pole NC + NC Snap Action

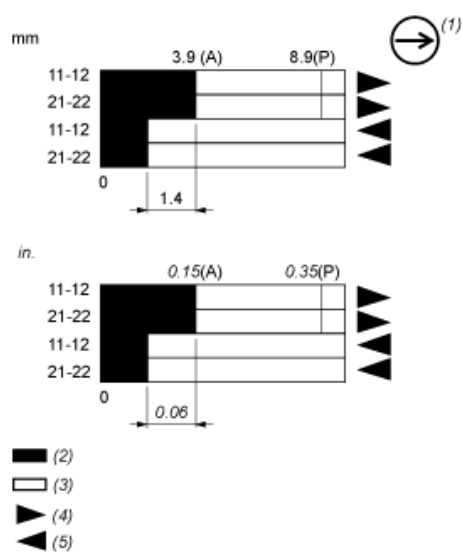


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



- (P) Positive opening point  
(A) Cam displacement  
(1) NC contact with positive opening operation  
(2) Closed  
(3) Open  
(4) Tripping  
(5) Resetting

# Mouser Electronics

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