



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | OsiSense XC  |
| Series name                   | Standard format  |
| Product or component type     | Limit switch   |
| Device short name             | XCNT   |
| Sensor design                 | Compact  |
| Body type                     | Fixed  |
| Head type                     | Rotary head  |
| Material                      | Plastic  |
| Body material                 | Plastic  |
| Head material                 | Plastic  |
| 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                                    |
| Cable entry                   | 2 entries tapped for Pg 11 cable gland                           |
| 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 open 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 torque        | 1.33 lbf.in (0.15 N.m)  |
| Minimum torque for tripping            | 0.88 lbf.in (0.1 N.m)   |
| Maximum actuation speed                | 4.92 ft/s (1.5 m/s)   |
| Contact code designation               | R300, DC-13 (Ue = 250 V, Ie = 0.1 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  |
| [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                                  | 2.31 in (58.8 mm)   |
| Height                                 | 4.73 in (120.1 mm)  |

## Environment

|                                   |  |
|-----------------------------------|--|
| shock resistance                  | 15 gn (duration = 11 ms) conforming to IEC 60068-2-27                  |
| vibration resistance              | 15 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  |
| 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/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

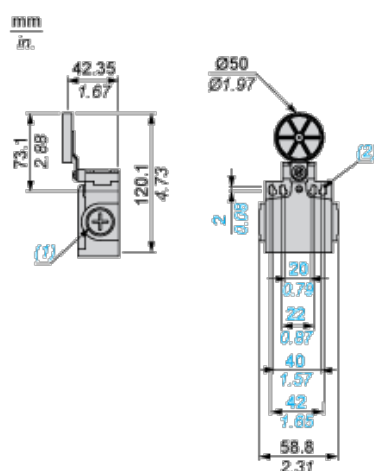
## Offer Sustainability

|  |  |
|--|--|
| Green Premium product  | Green Premium product  |
| Compliant - since 1024 - Schneider Electric declaration of conformity  | Compliant - since 1024 - 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 |
|-----------------|-----------|

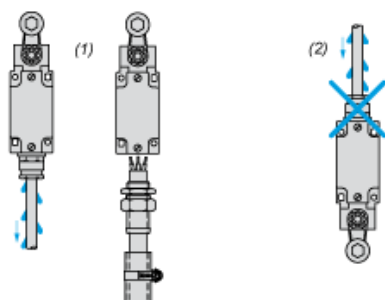
## Dimensions



- (1) 2 tapped entry for Pg 11 cable gland  
(2) Ø: 4 elongated holes Ø 4.3 x 6.3

## Mounting with Cable Entry

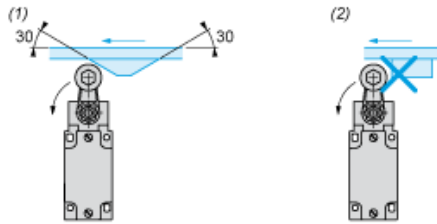
### Position of Cable Gland



- (1) Recommended
- (2) To be avoided

## Mounting with Rotary Heads and Levers

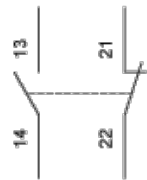
### Type of Cam



- (1) Recommended
- (2) To be avoided

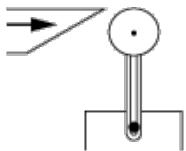
## Wiring Diagram

### 2-pole NC + NO Snap Action

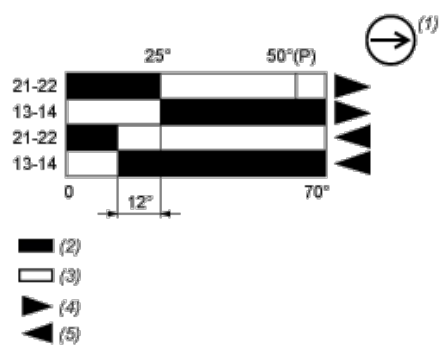


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



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