



Main

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|-------------------------------|--------------------------------------|
| 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 | 1 NC + 1 NO |
| Contact operation | Slow-break, break before make |

Complementary

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|--|---|
| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm² |
| Cable entry | 1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 0.28...0.51 in (7...13 mm) |
| 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 | R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A 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 | 300 V conforming to UL 508 500 V degree of pollution 3 conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse type gG |
| Mechanical durability | 100000 cycles |

Environment

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|---------------------------------------|---|
| 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 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 CSA UL |
| standards | EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14 |

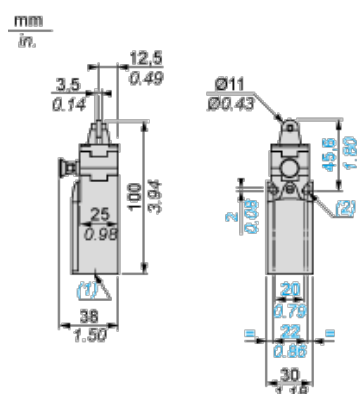
Offer Sustainability

| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1002 - Schneider Electric declaration of conformity | Compliant - since 1002 - 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 www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

Contractual warranty

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

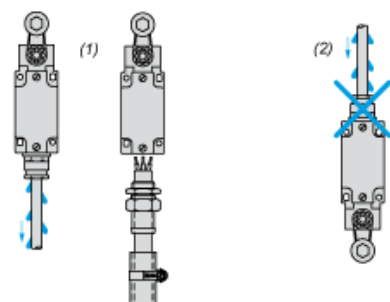
Dimensions



- (1) 1 tapped entry for M20 x 1.5
- (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

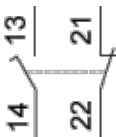
Position of Cable Gland



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

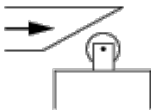
Wiring Diagrams

2-pole N/C + N/O Break before Make, Slow Break

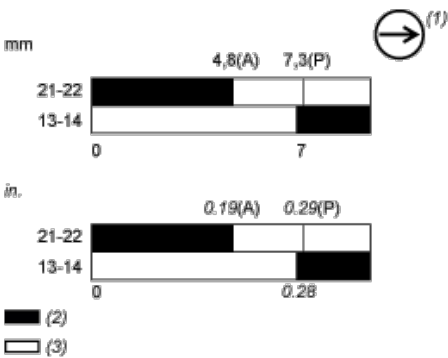


Characteristics of Actuation

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