

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             | XCPR   |
| Sensor design                 | Compact  |
| Reset                         | With   |
| Body type                     | Fixed  |
| Head type                     | Plunger head   |
| Material                      | Plastic  |
| Body material                 | Plastic  |
| Head material                 | Zamak  |
| Fixing mode                   | By the body  |
| Movement of operating head    | Linear   |
| Type of operator              | Spring return roller lever plunger thermoplastic   |
| Type of approach              | Vertical approach 1 direction  |
| Cable entry                   | 1 entry 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 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>  |
| Contacts insulation form               | Zb  |
| Positive opening                       | With  |
| Positive opening minimum force         | 18 N  |
| Minimum force for tripping             | 6 N   |
| Maximum actuation speed                | 3.28 ft/s (1 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>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A   |
| [Ui] rated insulation voltage          | 300 V conforming to CSA C22.2 No 14<br>500 V degree of pollution 3 conforming to EN 60947-1<br>500 V degree of pollution 3 conforming to IEC 60947-1<br>300 V conforming to UL 508  |
| Resistance across terminals            | <= 25 MOhm conforming to IEC 60255-7 category 3   |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1  |
| Short-circuit protection               | 10 A by gG cartridge fuse   |
| Electrical durability                  | 5000000 cycles DC-13 120 V 4 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles DC-13 24 V 10 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles DC-13 48 V 7 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Width                                  | 1.22 in (31 mm)   |
| Height                                 | 2.56 in (65 mm)   |

|                               |                        |
|-------------------------------|------------------------|
| Depth                         | 1.18 in (30 mm)        |
| Product weight                | 0.26 lb(US) (0.12 kg)  |
| Terminals description ISO n°1 | (21-22)NC<br>(11-12)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               | IP66 conforming to IEC 60529<br>IP67 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                | UL<br>CSA   |
| Standards                             | CSA C22.2 No 14<br>EN 60204-1<br>IEC 60947-5-1<br>EN 60947-5-1<br>IEC 60204-1<br>UL 508 |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22418 - LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule     | T                                  |
| GTIN                  | 003389118158184                    |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 0.20000000000000001                |
| Returnability         | N                                  |
| Country of origin     | FR                                 |

## Offer Sustainability

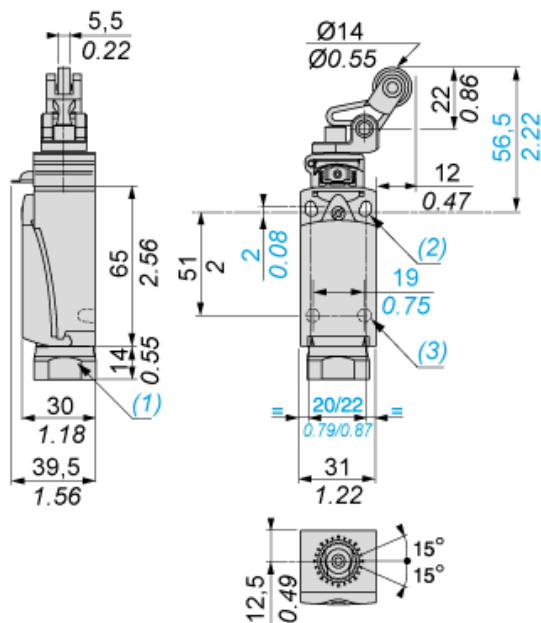
|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| RoHS (date code: YYWW)     | Compliant - since 1136 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH                      | 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      | Di-isodecyl 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

mm  
in.



- (1) Tapped entry for Pg 13.5 cable gland
- (2) 2 elongated holes  $\varnothing 4.3 \times 6.3$  mm on 22 mm centres, 2 holes  $\varnothing 4.3$  on 20 mm centres.
- (3) 2 x  $\varnothing 3$  holes for support studs, depth 4 mm

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## Mounting with Cable Entry

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### Position of Cable Gland



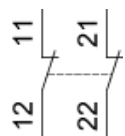
- (1) Recommended  
(2) To be avoided

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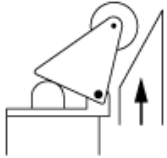
## Wiring Diagrams

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### 2-pole NC + NC Snap Action



### Switch Actuation by 30° Cam



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

# Mouser Electronics

Authorized Distributor

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