



### Main

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Range of product             | OsiSense XC                                                        |
| Series name                  | Basic                                                              |
| Product or component type    | Limit switch                                                       |
| Product specific application | Light to medium duty                                               |
| Device short name            | XCJ                                                                |
| Body type                    | Fixed                                                              |
| Head type                    | Plunger head                                                       |
| Material                     | Plastic                                                            |
| Fixing mode                  | By the body                                                        |
| Movement of operating head   | Linear                                                             |
| Type of operator             | Spring return lever plunger steel long and flat                    |
| Switch actuation             | On end                                                             |
| Type of approach             | Vertical approach, 1 direction                                     |
| Electrical connection        | Screw-clamp terminals                                              |
| Cable entry                  | 1 flexible rubber cable gland, cable outer diameter: 8.5...10.5 mm |
| Number of poles              | 1                                                                  |
| Contact operation            | Snap action                                                        |
| Positive opening             | Without                                                            |
| Maximum force for tripping   | 1.3 N                                                              |

### Complementary

|                                        |                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form               | C                                                                                                                                          |
| Minimum release force                  | 0.39 N                                                                                                                                     |
| Minimum actuation speed                | 0.01 mm/s                                                                                                                                  |
| Maximum actuation speed                | 0.5 m/s                                                                                                                                    |
| Maximum operating rate                 | 120 cyc/mn                                                                                                                                 |
| Contact code designation               | A300, AC (Ue = 240 V), Ie = 10 A, Ithe = 10 A conforming to IEC 60947-5-1<br>R300, DC (Ue = 220 V), Ie = 0.3 A conforming to IEC 60947-5-1 |
| Maximum resistance across terminals    | 25 MOhm                                                                                                                                    |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664                                                                                                               |
| Electrical durability                  | 800000 cycles, AC, 10 A, 220 V                                                                                                             |
| Mechanical durability                  | 10000000 cycles                                                                                                                            |
| Width                                  | 22 mm                                                                                                                                      |
| Height                                 | 50 mm                                                                                                                                      |
| Depth                                  | 79 mm                                                                                                                                      |
| Net weight                             | 0.057 kg                                                                                                                                   |
| Terminals description ISO n°1          | (NO-NC-C)OF                                                                                                                                |

### Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Shock resistance                      | 10 gn for 11 ms conforming to IEC 60068-2-27           |
| Vibration resistance                  | +/- 1.5 mm (f= 10...55 Hz) conforming to IEC 60068-2-6 |
| IP degree of protection               | IP40 conforming to IEC 60529                           |
| Electrical shock protection class     | Class II conforming to IEC 60947-5-1                   |
| Ambient air temperature for operation | -25...70 °C                                            |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Ambient air temperature for storage | -40...70 °C                 |
| Marking                             | CE<br>CCC                   |
| Standards                           | IEC 60947-5-1<br>GB 14048.5 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 2.000 cm  |
| Package 1 Width              | 5.500 cm  |
| Package 1 Length             | 8.000 cm  |
| Package 1 Weight             | 60.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 8.000 cm  |
| Package 2 Width              | 8.500 cm  |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 640.000 g |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 150       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 9.998 kg  |

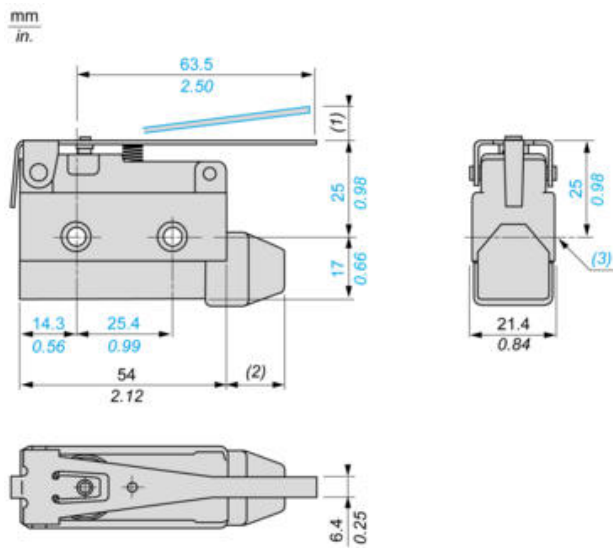
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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

## Dimensions



- (1) : 8.5 mm max / 0.33 in. max  
(2) : 16.5 mm max / 0.64 in. max  
(3) : 2 x Ø4.2 mm / 2 x Ø0.16 mm

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## Connection and Schema

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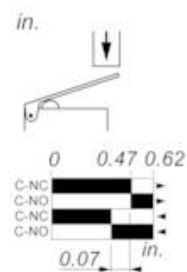
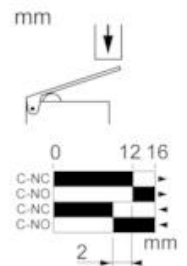
### Wiring Diagram

Single pole 1C/O



## Technical Description

### Type of Operator and Functional Diagram, Travel Distance



- (1) : Contact closed  
(2) : Contact open  
(3) : Tripping  
(4) : Resetting