



### Main

|                              |                                                                   |
|------------------------------|-------------------------------------------------------------------|
| Range of product             | OsiSense XC                                                       |
| Series name                  | Basic                                                             |
| Product or component type    | Limit switch                                                      |
| Product specific application | Medium duty                                                       |
| Device short name            | XCE                                                               |
| Body type                    | Fixed                                                             |
| Head type                    | Multi-directional head                                            |
| Material                     | Plastic and metal                                                 |
| Fixing mode                  | By the body                                                       |
| Movement of operating head   | Multi-directional                                                 |
| Type of operator             | Cat's whisker plastic and metal                                   |
| Switch actuation             | By any moving part                                                |
| Type of approach             | Multi-directional approach                                        |
| Electrical connection        | Screw-clamp terminals, clamping capacity: 1 x 1.5 mm <sup>2</sup> |
| Cable entry                  | 1 flexible rubber cable gland, cable outer diameter: 6...9 mm     |
| Number of poles              | 2                                                                 |
| Contact operation            | Snap action                                                       |
| Positive opening             | Without                                                           |
| Maximum force for tripping   | 1.5 N                                                             |

### Complementary

|                                        |                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form               | Za                                                                                                                                        |
| Minimum release force                  | 0.04 N                                                                                                                                    |
| Minimum actuation speed                | 5 mm/s                                                                                                                                    |
| Maximum actuation speed                | 1 m/s                                                                                                                                     |
| Maximum operating rate                 | 120 cyc/mn                                                                                                                                |
| Contact code designation               | A300, AC (Ue = 240 V), Ie = 3 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, 3 A, 220 V                                                                                                             |
| Mechanical durability                  | 10000000 cycles                                                                                                                           |
| Width                                  | 28 mm                                                                                                                                     |
| Height                                 | 172 mm                                                                                                                                    |
| Depth                                  | 25 mm                                                                                                                                     |
| Net weight                             | 0.108 kg                                                                                                                                  |
| Terminals description ISO n°1          | (3-4-1-2)OF                                                                                                                               |

## Environment

|                                       |                                                      |
|---------------------------------------|------------------------------------------------------|
| Shock resistance                      | 30 gn for 11 ms conforming to IEC 60068-2-27         |
| Vibration resistance                  | +/- 3 mm (f= 10...55 Hz) conforming to IEC 60068-2-6 |
| IP degree of protection               | IP65 conforming to IEC 60529                         |
| Electrical shock protection class     | Class I 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

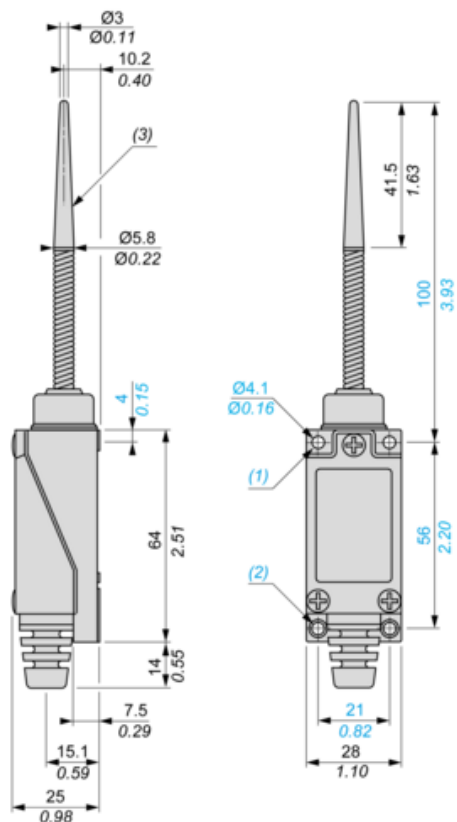
|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 3.000 cm  |
| Package 1 Width              | 5.000 cm  |
| Package 1 Length             | 17.500 cm |
| Package 1 Weight             | 133.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 40        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 5.569 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 640       |
| Package 3 Height             | 75.000 cm |
| Package 3 Width              | 80.000 cm |
| Package 3 Length             | 60.000 cm |
| Package 3 Weight             | 97.104 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 |
|----------|-----------|

$$\frac{\text{mm}}{\text{in.}}$$


- (1) : 2 holes M5 tapped 7mm / 0.27 inches in depth.
- (2) : 2 M5 tapped holes.
- (3) : Nylon rod.

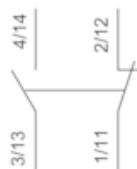
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## Connection and Schema

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### Wiring Diagram

1 NO + 1 NC

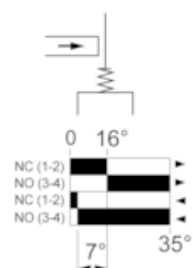


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## Technical Description

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



■ (1)

□ (2)

▶ (3)

◀ (4)

(1) : Contact closed

(2) : Contact open

(3) : Tripping

(4) : Resetting