



### 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                    | Rotary head                                                       |
| Material                     | Plastic and metal                                                 |
| Fixing mode                  | By the body                                                       |
| Movement of operating head   | Rotary                                                            |
| Type of operator             | Spring return roller lever thermoplastic variable length          |
| Switch actuation             | By 30° cam                                                        |
| Type of approach             | Lateral approach, 2 directions                                    |
| 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   | 7.5 N                                                             |

### Complementary

|                                                     |                                                                                                                                                                                                       |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form                            | Za                                                                                                                                                                                                    |
| Minimum release force                               | 0.5 N                                                                                                                                                                                                 |
| Minimum actuation speed                             | 9 mm/s                                                                                                                                                                                                |
| Maximum actuation speed                             | 1 m/s                                                                                                                                                                                                 |
| Maximum operating rate                              | 120 cyc/mn                                                                                                                                                                                            |
| Contact code designation                            | A300, AC (U <sub>e</sub> = 240 V), I <sub>e</sub> = 3 A, I <sub>the</sub> = 10 A conforming to IEC 60947-5-1<br>R300, DC (U <sub>e</sub> = 220 V), I <sub>e</sub> = 0.3 A conforming to IEC 60947-5-1 |
| Maximum resistance across terminals                 | 25 MOhm                                                                                                                                                                                               |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60664                                                                                                                                                                       |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                               |                               |
|-------------------------------|-------------------------------|
| Electrical durability         | 800000 cycles, AC, 3 A, 220 V |
| Mechanical durability         | 10000000 cycles               |
| Width                         | 28 mm                         |
| Height                        | 125 mm                        |
| Depth                         | 48 mm                         |
| Product weight                | 0.175 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 EN/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 Weight             | 200 g   |
| Package 1 Height             | 3 cm    |
| Package 1 width              | 4.8 cm  |
| Package 1 Length             | 13.1 cm |

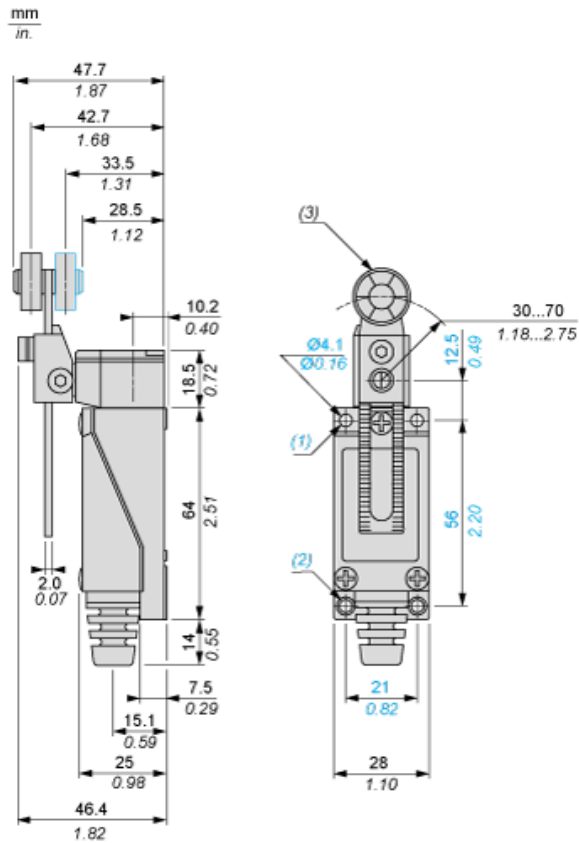
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                 |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| 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> |

## Contractual warranty

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

Dimensions



- (1) : 2 holes M5 tapped 7mm / 0.27 inches in depth.
- (2) : 2 M5 tapped holes.
- (3) : Nylon roller Ø 8 x 7 mm / Ø 0.31 x 0.27 in.

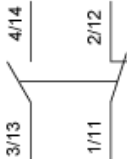
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Connection and Schema

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Wiring Diagram

1 NO + 1 NC

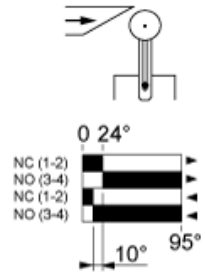


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Technical Description

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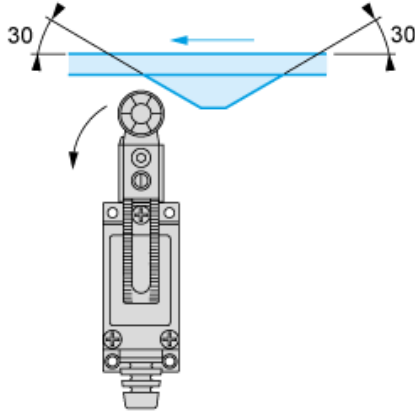
Type of Operator and Functional Diagram, Travel Distance



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

Mounting with Adjustable Roller Lever

Recommended Mounting



Mounting to be Avoided

