

# XCE102CTQ

Steel roller plunger, horizontal actuation, sold in lots of 10



## 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                    | Plunger head                                                      |
| Material                     | Plastic and metal                                                 |
| Fixing mode                  | By the body                                                       |
| Movement of operating head   | Linear                                                            |
| Type of operator             | Spring return roller plunger stainless steel                      |
| Switch actuation             | On end                                                            |
| Type of approach             | Lateral approach, 1 direction                                     |
| 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   | 9 N                                                               |

## Complementary

|                                        |                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form               | Za                                                                                                                                        |
| Minimum release force                  | 1.5 N                                                                                                                                     |
| Minimum actuation speed                | 5 mm/s                                                                                                                                    |
| Maximum actuation speed                | 0.5 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                                 | 112 mm                                                                                                                                    |
| Depth                                  | 25 mm                                                                                                                                     |
| Net weight                             | 0.126 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             | 3.0 cm      |
| Package 1 Width              | 4.8 cm      |
| Package 1 Length             | 13.1 cm     |
| Package 1 Weight             | 147.7 g     |
| Unit Type of Package 2       | S03         |
| Number of Units in Package 2 | 80          |
| Package 2 Height             | 30 cm       |
| Package 2 Width              | 30 cm       |
| Package 2 Length             | 40 cm       |
| Package 2 Weight             | 12.9578 kg  |
| Unit Type of Package 3       | P06         |
| Number of Units in Package 3 | 800         |
| Package 3 Height             | 60.0 cm     |
| Package 3 Width              | 80.0 cm     |
| Package 3 Length             | 60.0 cm     |
| Package 3 Weight             | 118.6624 kg |

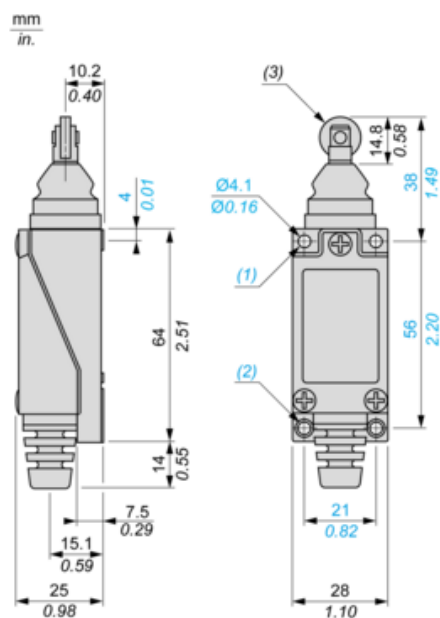
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) : 2 holes M5 tapped 7mm / 0.27 inches in depth.  
 (2) : 2 M5 tapped holes.  
 (3) : Stainless steel roller Ø 12.5 x 3.8 mm / Ø 0.49 x 0.15 in.

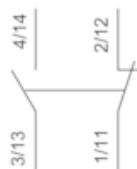
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## Connection and Schema

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### Wiring Diagram

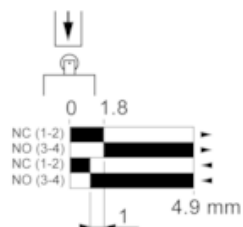
1 NO + 1 NC



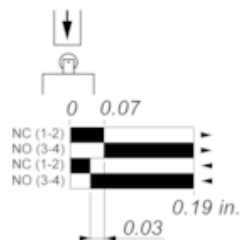
## Technical Description

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

mm



in.



- (1)
- (2)
- ▶ (3)
- ◀ (4)

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