



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Device application                 | -   |
| Sensor name                        | XS1   |
| Sensor design                      | Cylindrical M18   |
| Size                               | 39 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Metal   |
| Enclosure material                 | Nickel plated brass   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 10 mm   |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | PNP   |
| Electrical connection              | Cable   |
| Cable length                       | 5 m   |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection                         |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary





|                |         |
|----------------|---------|
| Thread type    | M18 x 1 |
| Detection face | Frontal |

|                          |                              |
|--------------------------|------------------------------|
| Front material           | PPS                          |
| Operating zone           | 0...8 mm                     |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...36 V DC                 |
| Switching frequency      | <= 1000 Hz                   |
| Maximum voltage drop     | <2 V (closed)                |
| Current consumption      | 0...10 mA no-load            |
| Maximum delay first up   | 5 ms                         |
| Maximum delay response   | 0.3 ms                       |
| Maximum delay recovery   | 0.7 ms                       |
| Marking                  | CE                           |
| Threaded length          | 28 mm                        |
| Height                   | 18 mm                        |
| Length                   | 39 mm                        |
| Net weight               | 0.1 kg<br>0.22 kg            |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | UL<br>CSA   |
| Ambient air temperature for operation | -25...50 °C   |
| Ambient air temperature for storage   | -40...85 °C   |
| Vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn for 11 ms conforming to IEC 60068-2-27                            |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| 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> |
| Environmental Disclosure |  <a href="#">Product Environmental Profile</a>   |
| Circularity Profile      |  <a href="#">End of Life Information</a>   |

## Contractual warranty

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