

# XS218SANAL2

inductive sensor XS2 M18 - L60mm - stainless  
- Sn12mm - 12..24VDC - cable 2m



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | Application                                                                     |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | Food and beverage                                                               |
| Market segment                     | Pharmaceutical                                                                  |
| Sensor name                        | XS2                                                                             |
| Sensor design                      | Cylindrical M18                                                                 |
| Size                               | 60 mm                                                                           |
| Body type                          | Fixed                                                                           |
| Detector flush mounting acceptance | Non flush mountable                                                             |
| Material                           | Stainless steel                                                                 |
| Type of output signal              | Discrete                                                                        |
| Wiring technique                   | 3-wire                                                                          |
| [Sn] nominal sensing distance      | 12 mm                                                                           |
| Discrete output function           | 1 NO                                                                            |
| Output circuit type                | DC                                                                              |
| Discrete output type               | NPN                                                                             |
| Electrical connection              | Cable                                                                           |
| Cable length                       | 2 m                                                                             |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 200 mA 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                          |
| Enclosure material       | Stainless steel 316 L        |
| Sensing range            | > 8...15 mm                  |
| Operating zone           | 0...9.6 mm                   |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PVC                          |
| 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      | <= 10 mA no-load             |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.3 ms                       |
| Maximum delay recovery   | 0.7 ms                       |
| Marking                  | CE                           |
| Threaded length          | 40 mm                        |

|            |         |
|------------|---------|
| Length     | 60 mm   |
| Net weight | 0.12 kg |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA                                                               |
| Ambient air temperature for operation | -25...85 °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                            |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 121 g    |
| Package 1 Height             | 4.2 cm   |
| Package 1 width              | 9.5 cm   |
| Package 1 Length             | 13 cm    |
| Unit Type of Package 2       | BAG      |
| Number of Units in Package 2 | 1        |
| Package 2 Weight             | 121 g    |
| Package 2 Height             | 2 cm     |
| Package 2 width              | 20 cm    |
| Package 2 Length             | 15 cm    |
| Unit Type of Package 3       | S01      |
| Number of Units in Package 3 | 11       |
| Package 3 Weight             | 1.549 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 15 cm    |
| Package 3 Length             | 40 cm    |

## 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) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                            |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                  |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                        |

## Contractual warranty

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

Dimensions



## Minimum Mounting Distances

Side by side



e (1) 72 mm/2.83 in.

≥

Face to face



e (2) 144 mm/5.67 in.

≥

Facing a metal object



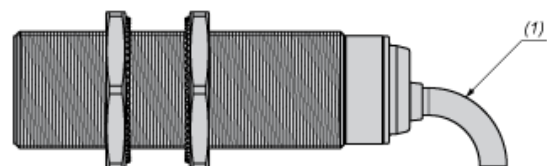
e (3) 36 mm/1.42 in

≥

(1) Metal

(2) Object to be detected

## Mounting



(1) Bending cable: 4 x external cable diameter

## Wiring Schemes

NPN



BU : Blue  
BN : Brown  
BK : Black