



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | Application   |
| Sensor type                        | Inductive proximity sensor                                    |
| Device application                 | Food and beverage   |
| Sensor name                        | XS2   |
| Sensor design                      | Cylindrical M12   |
| Size                               | 61 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      | 7 mm  |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | 4 pins M12 male connector                                     |
| [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            | IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                    |                       |
|--------------------|-----------------------|
| Thread type        | M12 x 1               |
| Detection face     | Frontal               |
| Front material     | PPS                   |
| Enclosure material | Stainless steel 316 L |

|                       |                               |
|-----------------------|-------------------------------|
| Operating zone        | 0...5.6 mm                    |
| Differential travel   | 1...15% of Sr                 |
| Status LED            | 1 LED yellow for output state |
| Supply voltage limits | 10...36 V DC                  |
| Switching frequency   | <= 2500 Hz                    |
| Voltage drop          | <= 2 V at closed state        |
| Current consumption   | <= 10 mA at no-load           |
| Delay first up        | <= 10 ms                      |
| Delay response        | <= 0.2 ms                     |
| Delay recovery        | <= 0.2 ms                     |
| Marking               | CE                            |
| Threaded length       | 37 mm                         |
| Length                | 61 mm                         |
| Product weight        | 0.035 kg                      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>UL   |
| 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                            |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0821 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available<br><a href="#">End of Life Information</a>  |
| Product end of life instructions | Available   |

## Contractual warranty

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