



## Main

|                                    |                                                              |
|------------------------------------|--------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                  |
| Series name                        | General purpose                                              |
| Sensor type                        | Inductive proximity sensor                                   |
| Device application                 | -                                                            |
| Sensor name                        | XS1                                                          |
| Sensor design                      | Cylindrical Ø 6.5 mm plain                                   |
| Size                               | 42 mm                                                        |
| Body type                          | Fixed                                                        |
| Detector flush mounting acceptance | Flush mountable                                              |
| Material                           | Metal                                                        |
| Type of output signal              | Discrete                                                     |
| Wiring technique                   | 3-wire                                                       |
| [Sn] nominal sensing distance      | 2.5 mm                                                       |
| Discrete output function           | 1 NO                                                         |
| Output circuit type                | DC                                                           |
| Discrete output type               | PNP                                                          |
| Electrical connection              | M8 male connector, 3 pins                                    |
| [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            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |
| Sale per indivisible quantity      | 1                                                            |

## Complementary

|                    |                     |
|--------------------|---------------------|
| Detection face     | Frontal             |
| Front material     | PPS                 |
| Enclosure material | Nickel plated brass |

|                       |                                 |
|-----------------------|---------------------------------|
| Operating zone        | 0...2 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 (closed state)           |
| Current consumption   | <= 10 mA (no-load)              |
| Delay first up        | <= 10 ms                        |
| Delay response        | <= 0.2 ms                       |
| Delay recovery        | <= 0.2 ms                       |
| Marking               | CE                              |
| Length                | 42 mm                           |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>UL                                                               |
| Ambient air temperature for operation | -25...70 °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 (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Offer Sustainability

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                   |
| RoHS (date code: YYWW)           | Compliant - since 1010 - 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 |
|-----------------|-----------|