



## Main

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Range of product                   | OsiSense XS                                        |
| Series name                        | General purpose                                    |
| Sensor type                        | Inductive proximity sensor                         |
| Device application                 | -                                                  |
| Sensor name                        | XS7                                                |
| Sensor design                      | Flat form 80 x 80 x 26                             |
| Size                               | 26 mm                                              |
| Body type                          | Fixed                                              |
| Detector flush mounting acceptance | Flush mountable                                    |
| Material                           | Plastic                                            |
| Enclosure material                 | PBT                                                |
| Type of output signal              | Discrete                                           |
| Wiring technique                   | 3-wire                                             |
| Discrete output function           | 1 NO                                               |
| Output circuit type                | DC                                                 |
| Discrete output type               | NPN                                                |
| Electrical connection              | cable                                              |
| Cable length                       | 6.56 ft (2 m)                                      |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection      |
| Switching capacity in mA           | <= 100 mA DC overload and short-circuit protection |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529     |

## Complementary

|                |                            |
|----------------|----------------------------|
| Detection face | Frontal                    |
| Front material | PBT                        |
| Operating zone | 0.00...1.26 in (0...32 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      | <= 100 Hz                    |
| Maximum voltage drop     | <2 V closed)                 |
| Current consumption      | <= 10 mA no-load             |
| Maximum delay first up   | 30 ms                        |
| Maximum delay response   | 5 ms                         |
| Maximum delay recovery   | 35 ms                        |
| Marking                  | CE                           |
| Depth                    | 1.02 in (26 mm)              |
| Height                   | 3.15 in (80 mm)              |
| Width                    | 3.15 in (80 mm)              |
| Net weight               | 0.75 lb(US) (0.34 kg)        |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | CSA<br>C-Tick<br>Ecolab<br>UL           |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)              |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)              |
| Vibration resistance                  | 25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27              |

## Packing Units

|                  |                        |
|------------------|------------------------|
| Package 1 Weight | 0.82 lb(US) (0.371 kg) |
| Package 1 Height | 0.680 dm               |
| Package 1 width  | 0.950 dm               |
| Package 1 Length | 1.320 dm               |

## 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> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |

## Contractual warranty

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