



## Main

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Range of product                   | OsiSense XS                                        |
| Series name                        | General purpose                                    |
| Sensor type                        | Inductive proximity sensor                         |
| Device application                 | -                                                  |
| Sensor name                        | XS5                                                |
| Sensor design                      | Cylindrical M8                                     |
| Size                               | 45 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      | 1.5 mm                                             |
| Discrete output function           | 1 NO                                               |
| Output circuit type                | DC                                                 |
| Discrete output type               | PNP                                                |
| 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 DC overload and short-circuit protection |
| IP degree of protection            | IP67 IEC 60529                                     |

## Complementary

|                    |                     |
|--------------------|---------------------|
| Thread type        | M12 x 1             |
| Detection face     | Frontal             |
| Front material     | PPS                 |
| Enclosure material | Nickel plated brass |

|                        |                              |
|------------------------|------------------------------|
| Operating zone         | 0.00...0.05 in (0...1.2 mm)  |
| Differential travel    | 1...15% of Sr                |
| Status LED             | Output state: 1 LED (yellow) |
| Supply voltage limits  | 10...36 V DC                 |
| Switching frequency    | <= 5000 Hz                   |
| Maximum voltage drop   | <2 V closed)                 |
| Current consumption    | <= 10 mA no-load             |
| Maximum delay first up | 10 ms                        |
| Maximum delay response | 0.1 ms                       |
| Maximum delay recovery | 0.1 ms                       |
| Marking                | CE                           |
| Threaded length        | 0.94 in (24 mm)              |
| Height                 | 0.39 in (10 mm)              |
| Length                 | 1.77 in (45 mm)              |
| Net weight             | 0.06 lb(US) (0.025 kg)       |

## Environment

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

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Number of Units in Package 1 | 1                     |
| Package 1 Weight             | 1.02 oz (29 g)        |
| Package 1 Height             | 1.65 in (4.2 cm)      |
| Package 1 width              | 2.60 in (6.6 cm)      |
| Package 1 Length             | 3.74 in (9.5 cm)      |
| Unit Type of Package 2       | BAG                   |
| Number of Units in Package 2 | 1                     |
| Package 2 Weight             | 1.02 oz (29 g)        |
| Package 2 Height             | 0.47 in (1.2 cm)      |
| Package 2 width              | 7.87 in (20 cm)       |
| Package 2 Length             | 5.91 in (15 cm)       |
| Unit Type of Package 3       | S02                   |
| Number of Units in Package 3 | 44                    |
| Package 3 Weight             | 3.79 lb(US) (1.72 kg) |
| Package 3 Height             | 5.91 in (15 cm)       |
| Package 3 width              | 11.81 in (30 cm)      |
| Package 3 Length             | 15.75 in (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)<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 |
|----------|-----------|