



## Main

|                                    |                            |
|------------------------------------|----------------------------|
| Range of product                   | OsiSense XS                |
| Series name                        | Application                |
| Sensor type                        | Inductive proximity sensor |
| Electrical circuit type            | Analog output              |
| Sensor name                        | XS4                        |
| Sensor design                      | Cylindrical M18            |
| Size                               | 41 mm                      |
| Body type                          | Fixed                      |
| Detector flush mounting acceptance | Non flush mountable        |
| Material                           | Plastic                    |
| Type of output signal              | Analogue                   |
| Wiring technique                   | 3-wire                     |
| [Sn] nominal sensing distance      | 8 mm                       |
| Output circuit type                | DC                         |
| Analogue output range              | 0...10 V                   |
| Electrical connection              | Cable                      |
| Cable length                       | 6.56 ft (2 m)              |
| [Us] rated supply voltage          | 24...48 V DC               |
| IP degree of protection            | IP67 IEC 60529             |

## Complementary

|                    |                             |
|--------------------|-----------------------------|
| Thread type        | M18 x 1                     |
| Detection face     | Frontal                     |
| Front material     | PPS                         |
| Enclosure material | PBT                         |
| Operating zone     | 0.03...0.31 in (0.8...8 mm) |

|                              |                          |
|------------------------------|--------------------------|
| Repeat accuracy              | <= 3% of Sr              |
| Linearity error              | +/- 2 mA                 |
| Cable composition            | 3 x 0.34 mm <sup>2</sup> |
| Wire insulation material     | PvR                      |
| Supply voltage limits        | 15...58 V DC             |
| Switching frequency          | <= 500 Hz                |
| Current consumption          | 4 mA no-load             |
| Maximum output current drift | 10 %                     |
| Marking                      | CE                       |
| Threaded length              | 1.02 in (26 mm)          |
| Height                       | 0.71 in (18 mm)          |
| Length                       | 1.61 in (41 mm)          |
| Net weight                   | 0.18 lb(US) (0.08 kg)    |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Product certifications                | UL<br>CCC<br>CSA           |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 3.42 oz (97 g)         |
| Package 1 Height             | 1.61 in (4.1 cm)       |
| Package 1 width              | 3.74 in (9.5 cm)       |
| Package 1 Length             | 5.20 in (13.2 cm)      |
| Unit Type of Package 2       | BAG                    |
| Number of Units in Package 2 | 1                      |
| Package 2 Weight             | 3.42 oz (97 g)         |
| Package 2 Height             | 1.18 in (3 cm)         |
| Package 2 width              | 7.87 in (20 cm)        |
| Package 2 Length             | 5.91 in (15 cm)        |
| Unit Type of Package 3       | S03                    |
| Number of Units in Package 3 | 44                     |
| Package 3 Weight             | 10.47 lb(US) (4.75 kg) |
| Package 3 Height             | 11.81 in (30 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>                                                     |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                           |

## Contractual warranty

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