



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | Mobile equipment  |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M12   |
| Size                               | 66 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable                                     |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 0.28 in (7 mm)  |
| Discrete output function           | 1 NC  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | Male connector M12, 4 pins                              |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection                |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP67 IEC 60529<br>IP69K DIN 40050                       |

## Complementary

|                |         |
|----------------|---------|
| Thread type    | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS     |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

|                        |                              |
|------------------------|------------------------------|
| Enclosure material     | Nickel plated brass          |
| Sensing range          | > 4...8 mm                   |
| Operating zone         | 0.00...0.22 in (0...5.6 mm)  |
| Differential travel    | 1...15% of Sr                |
| Status LED             | Output state: 1 LED (yellow) |
| Supply voltage limits  | 10...58 V DC                 |
| Switching frequency    | <= 2500 Hz DC                |
| Maximum voltage drop   | <2 V closed)                 |
| Current consumption    | <= 10 mA no-load             |
| Maximum delay first up | 10 ms                        |
| Maximum delay response | 0.2 ms                       |
| Maximum delay recovery | 0.2 ms                       |
| Marking                | CE                           |
| Threaded length        | 1.65 in (42 mm)              |
| Length                 | 2.60 in (66 mm)              |
| Net weight             | 0.04 lb(US) (0.02 kg)        |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>UL<br>E2                         |
| 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 | 0.04 lb(US) (0.018 kg) |
| Package 1 Height | 0.012 dm               |
| Package 1 width  | 0.012 dm               |
| Package 1 Length | 0.650 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>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |

## Contractual warranty

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