



Price\* : 38.47 GBP



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Device application                 | -   |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M12   |
| Size                               | 53 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 2-wire  |
| [Sn] nominal sensing distance      | 4 mm  |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Electrical connection              | Cable   |
| Cable length                       | 5 m   |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 100 mA DC with overload and short-circuit protection                         |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

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

|                          |                              |
|--------------------------|------------------------------|
| Operating zone           | 0...3.2 mm                   |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...58 V DC                 |
| Switching frequency      | <= 2000 Hz DC                |
| Maximum voltage drop     | <4 V (closed)                |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.3 ms                       |
| Maximum delay recovery   | 0.3 ms                       |
| Marking                  | CE                           |
| Threaded length          | 42 mm                        |
| Length                   | 53 mm                        |
| Product weight           | 0.3 kg                       |

## 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 for 11 ms conforming to IEC 60068-2-27                            |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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 |
|----------|-----------|

Dimensions



(1) LED

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Minimum Mounting Distances

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Side by side



$e (1) \geq 8 \text{ mm}/0.31 \text{ in.}$

Face to face



$e (2) \geq 48 \text{ mm}/1.89 \text{ in.}$

Facing a metal object



$e (3) \geq 12 \text{ mm}/0.47 \text{ in.}$

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Mounting

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(1) Bending cable: 4 x external cable diameter

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Wiring Schemes

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2-Wire Non-polarised

NO output



BU : Blue  
BN : Brown