



Main

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| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M12 |
| Size | 61 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 | 2 mm |
| Discrete output function | 1 NO |
| Output circuit type | AC/DC |
| Electrical connection | 3 pins 1/2"20 UNF male connector |
| [Us] rated supply voltage | 24...240 V AC/DC reverse polarity protection |
| Switching capacity in mA | 5...200 mA AC/DC |
| IP degree of protection | IP67 IEC 60529 IP69K conforming to DIN 40050 |

Complementary

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

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

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|--------------------------|------------------------------|
| Operating zone | 0.00...0.06 in (0...1.6 mm) |
| Differential travel | 1...15% of Sr |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 0.8 mA open state |
| Switching frequency | <= 1000 Hz DC <= 25 Hz AC |
| Maximum voltage drop | <5.5 V (closed) |
| Maximum delay first up | 20 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 0.2 ms |
| Marking | CE |
| Threaded length | 1.65 in (42 mm) |
| Height | 0.47 in (12 mm) |
| Length | 2.44 in (62 mm) |
| Net weight | 0.06 lb(US) (0.025 kg) |

Environment

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|---------------------------------------|---|
| Product certifications | CSA 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

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|------------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.51 oz (42.9 g) |
| Package 1 Height | 1.61 in (4.1 cm) |
| Package 1 width | 2.52 in (6.4 cm) |
| Package 1 Length | 3.70 in (9.4 cm) |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

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| Warranty | 18 months |
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