



Main

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| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor transmitter |
| Series name | General purpose |
| Sensor name | XXT |
| Sensor design | Cylindrical M12 |
| Detection system | Thru beam need a receiver) |
| [Sn] nominal sensing distance | 0.66 ft (0.2 m) |
| Material | Plastic |
| Wiring technique | 2-wire |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M8 4 pins |
| [Sd] sensing range | 0.00...0.66 ft (0...0.2 m) |
| Beam angle | 10 ° |
| IP degree of protection | IP67 IEC 60529 |

Complementary

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|---------------------------------|---|
| Enclosure material | ULTEM |
| Front material | Epoxy |
| Thread type | M12 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0.00...0.66 ft (0...0.2 m) |
| Transmission frequency | 500 kHz |
| Repeat accuracy | 0.79 % |
| Minimum size of detected object | Cylinder diameter 12 mm 0.66 ft (0.2 m) |
| Current consumption | 50 mA |
| Marking | CE |

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| Threaded length | 1.50 in (38 mm) |
| Height | 0.47 in (12 mm) |
| Width | 0.47 in (12 mm) |
| Depth | 1.97 in (50 mm) |
| Net weight | 0.02 lb(US) (0.011 kg) |

Environment

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| Standards | IEC 60947-5-2 |
| Product certifications | UL |
| Ambient air temperature for operation | -4...149 °F (-20...65 °C) |
| Ambient air temperature for storage | -40...176 °F (-40...80 °C) |
| Vibration resistance | +/-1 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn in all 3 axes 11 ms IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV level 4 IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.14 V/yd (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 1 kV level 3 IEC 61000-4-4 |

Packing Units

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|------------------|--------------------|
| Package 1 Weight | 3.20 oz (90.718 g) |
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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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