

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

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| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XX5 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 1.64 ft (0.5 m) adjustable with remote teach push-button |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 1 NO |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.17...1.67 ft (0.051...0.508 m) |
| Beam angle | 6 ° |
| IP degree of protection | IP67 IEC 60529 |

Complementary

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| Enclosure material | Valox |
| Front material | Epoxy |
| Thread type | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0.17...1.67 ft (0.051...0.508 m) teach mode) |
| Maximum differential travel | 0.10 in (2.5 mm) |
| Blind zone | 0.00...2.01 in (0...51 mm) |
| Transmission frequency | 300 kHz |
| Repeat accuracy | 1.27 % |
| Deviation angle from 90° of object to be detected | -7...7 ° |
| Minimum size of detected object | Cylinder diameter 2.5 mm 0.49 ft (0.15 m) |
| Status LED | Supply on 1 LED green) Output state 1 LED yellow) |
| Current consumption | 40 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum voltage drop | 1 V |
| Switching frequency | <= 40 Hz |
| Maximum delay first up | 100 ms |
| Maximum delay response | 10 ms |
| Maximum delay recovery | 10 ms |
| Marking | CE |
| Threaded length | 1.69 in (43 mm) |
| Height | 0.71 in (18 mm) |
| Width | 0.71 in (18 mm) |
| Depth | 3.11 in (79 mm) |
| Product weight | 0.07 lb(US) (0.033 kg) |

Environment

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| Standards | IEC 60947-5-2 |
| Product certifications | UL CCSAus |
| 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/m (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 1 kV level 3 IEC 61000-4-4 |

Ordering and shipping details

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|---------------------|------------------------------------|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 00785901926405 |
| Package weight(Lbs) | 0.06 kg (0.13 lb(US)) |
| Returnability | No |
| Country of origin | US |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov |
| 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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