



Main

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|-------------------------------|---|
| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XX6 |
| Sensor design | Cylindrical M30 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 6.56 ft (2 m) adjustable with teach push-button |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 1 NC + 1 NO |
| Wiring technique | 4-wire |
| Discrete output type | PNP |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.39...6.56 ft (0.12...2 m) |
| Beam angle | 10 ° |
| IP degree of protection | IP67 IEC 60529 |

Complementary

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|---|---|
| Enclosure material | ULTEM |
| Front material | Silicone |
| Thread type | M30 x 1.5 |
| Supply voltage limits | 10...28 V DC |
| Function available | Without synchronisation mode |
| [Sa] assured operating distance | 0.39...6.56 ft (0.12...2 m) teach mode) |
| Maximum differential travel | 0.10 in (2.5 mm) |
| Blind zone | 0.00...4.72 in (0...120 mm) |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.9 % |
| Deviation angle from 90° of object to be detected | -7...7 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm 2.08 ft (0.635 m) |
| Status LED | Setting-up assistance 1 LED green/red (flashing)) |
| Current consumption | 100 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum voltage drop | 1 V |
| Switching frequency | <= 16 Hz |
| Maximum delay first up | 720 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 20 ms |
| Marking | CE |
| Threaded length | 1.77 in (45 mm) |
| Height | 1.38 in (35 mm) |
| Width | 1.38 in (35 mm) |
| Depth | 3.35 in (85 mm) |
| Net weight | 0.20 lb(US) (0.091 kg) |

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Environment

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|---------------------------------------|--|
| Standards | IEC 60947-5-2 |
| Product certifications | UL CCSAus |
| Ambient air temperature for operation | 32...140 °F (0...60 °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 | 03389119129558 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1 lb(US) (0.45 kg) |
| Returnability | Yes |
| 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: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other 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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