

Main

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|------------------------------|---|
| Commercial Status | Commercialised |
| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Sensor name | XX2 |
| Material | PBT (polybutylene terephthalate) |
| Sensor design | Ø 30 mm |
| Product specific application | For 2 levels monitoring |
| Type of output signal | Dual-level - alarm |
| Wiring technique | 4 wires |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection 12...24 V DC |
| Discrete output function | 1 NC |
| Discrete output type | NPN |
| Electrical connection | 1 male connector M12, 4 pins |
| [Sd] sensing range | 0.17...0.33 ft (0.051...0.1 m) |
| Beam angle | 10 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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|---|--|
| Enclosure material | ULTEM |
| Front material | Silicone |
| ISO thread | M30 x 1.5 |
| Supply voltage limits | 10...28 V DC |
| [Sn] nominal sensing distance | 3.28 ft (1 m) |
| Type of sensing window | Adjustable |
| [Sa] assured operating distance | 0.17...3.25 ft (0.051...0.991 m) (teach mode) |
| Maximum differential travel | <= 0.1 in (2.5 mm) |
| Blind zone | 2.01 in (51 mm) |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.9 % |
| Deviation angle from 90° of object to be detected | -10...10 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm up to 635 mm sensing distance |
| Status LED | 2 LEDs (yellow) for distance indication 2 LEDs (green/red (flashing)) for setting-up assistance 2 LEDs (green/red (flashing)) for output state |
| Current consumption | 100 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Voltage drop | <= 1 V |
| Delay first up | 1000 ms |
| Delay response | 150 ms |
| Delay recovery | 1000 ms |
| Marking | CE |
| Height | 1.18 in (30 mm) |
| Width | 1.18 in (30 mm) |
| Depth | 1.18 in (30 mm) |
| Length | 3.78 in (96 mm) |
| CAD overall height | 3.78 in (95.99 mm) |

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|-------------------|----------------------|
| CAD overall width | 1.35 in (34.17 mm) |
| CAD overall depth | 1.35 in (34.17 mm) |
| Product weight | 1.98 lb(US) (0.9 kg) |

Environment

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|---------------------------------------|--|
| Standards | IEC 60947-5-2 |
| Product certifications | UL |
| NEMA degree of protection | NEMA 4X for indoor use only |
| Ambient air temperature for operation | 32...122 °F (0...50 °C) |
| Ambient air temperature for storage | 14...176 °F (-10...80 °C) |
| Vibration resistance | +/-1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn for 11 ms (in all 3 axes) conforming to IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV, level 4 conforming to IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.14 V/yd (10 V/m), level 3 conforming to IEC 61000-4-3 |
| Resistance to fast transients | 1 kV, level 3 conforming to IEC 61000-4-4 |

Ordering and shipping details

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|-----------------------|---|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 00785901613244 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.80 |
| Product availability | Non-Stock - Not normally stocked in distribution facility |
| Returnability | Y |
| Country of origin | US |

Contractual warranty

| | |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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