



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 | 1 m adjustable with teach pushbutton |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 2 NO |
| Wiring technique | 4-wire |
| Discrete output type | PNP and NPN |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.051...0.991 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 |
| [Sa] assured operating distance | 0.051...0.991 m (teach mode) |
| Maximum differential travel | 2.5 mm |
| Blind zone | 0...51 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 up to 635 mm sensing distance |
| Status LED | 1 LED (green/red (flashing)) for setting-up assistance |
| Current consumption | 50 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Voltage drop | < 1 V |
| Switching frequency | <= 10 Hz |
| Delay first up | 720 ms |
| Delay response | 20 ms |
| Delay recovery | 20 ms |
| Marking | CE |
| Threaded length | 45 mm |
| CAD overall height | 35 mm |
| CAD overall width | 35 mm |
| CAD overall depth | 85 mm |
| Product weight | 0.091 kg |

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Environment

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| Standards | IEC 60947-5-2 |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -40...80 °C |
| Vibration resistance | +/-1 mm conforming to IEC 60068-2-6 10...55 Hz |
| Shock resistance | 30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV level 4 conforming to IEC 61000-4-2 |
| Resistance to electromagnetic fields | 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 |
| RoHS EUR status | Will be Compliant |
| RoHS EUR conformity date | 4Q2011 |