

Ultrasonic sensors XX, ultrasonic sensor cylindrical m18 12, 24 V



Main

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| Range of product | Telemecanique Ultrasonic sensors XX |
| Sensor type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XX3 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 0.0381 m fixed |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 1 NO |
| Wiring technique | 4-wire |
| Discrete output type | PNP/NPN |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.038...0.0508 m |
| Beam angle | 10 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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| Enclosure material | PEI |
| Front material | Silicone |
| Thread type | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0.038...0.0508 m |
| Maximum differential travel | 12.7 mm |
| Blind zone | 0...31.8 mm |
| Minimum size of detected object | Cylinder diameter 50.8 mm at 4.732 m |
| Status LED | Supply on: 1 LED (green) Output state: 1 LED (amber) |
| Current consumption | 100 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Maximum voltage drop | 1 V |
| Maximum delay first up | 20 ms |
| Maximum delay response | 1.5 ms |
| Maximum delay recovery | 1.5 ms |
| Marking | CE |
| Height | 18 mm |
| Width | 18 mm |
| Depth | 95.5 mm |

Environment

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| Standards | IEC 60947-5-2 |
| Product certifications | UL[RETURN]cCSAus |
| Ambient air temperature for operation | 0...50 °C |
| Ambient air temperature for storage | -40...80 °C |
| Vibration resistance | +/-1 mm conforming to IEC 60068-2-6 (f = 10...55 Hz) |

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| 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 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.5 cm |
| Package 1 Width | 3.96 cm |
| Package 1 Length | 9.53 cm |
| Package 1 Weight | 40.007 g |

Offer Sustainability

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| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |