



Main

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| Range of Product | Telemecanique Ultrasonic sensors XX |
| Sensor Type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XXS |
| Sensor design | Cylindrical M30 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 13.12 Ft (4 m) adjustable with remote teach push-button 13.12 ft (4 m) software with kit |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 1 NO or 1 NC programmable |
| Wiring Technique | 5-wire |
| Discrete output type | PNP |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Male connector M12 5 pins |
| [Sd] sensing range | 1.38...13.12 ft (0.420...4 m) |
| IP degree of protection | IP65 conforming to IEC 60529 IP67 |

Complementary

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| Enclosure Material | PBT |
| Front material | Epoxy Rubber Resin |
| Supply voltage limits | 10...30 V DC |
| Function Available | With synchronisation mode Software configurable |
| [Sa] assured operating distance | 1.38...13.12 ft (0.420...4 m) teach mode) |
| Blind zone | 16.54 in (420 mm) |
| Transmission frequency | 80 kHz |
| Repeat accuracy | 0.1 % |
| Deviation angle from 90° of object to be detected | -10...10 ° |
| Minimum size of detected object | Cylinder diameter 1 mm 5.91 ft (1.8 m) |
| Status LED | Output state 1 LED yellow) Echo state 1 LED green) |
| Current Consumption | 65 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum voltage drop | 2 V |
| Switching frequency | 2.7 Hz |
| Setting-up | Teach mode Configurator software |
| Maximum delay first up | 250 ms |
| Maximum delay response | 180 ms |
| Maximum delay recovery | 180 ms |
| Marking | CE |
| Threaded length | 2.94 in (74.7 mm) |
| Height | 1.18 in (30 mm) |

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| Width | 1.57 in (40 mm) |
| Depth | 4.69 in (119 mm) |
| Net Weight | 0.22 lb(US) (0.1 kg) |

Environment

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| Standards | EN/IEC 60947-5-2 CSA C22.2 No 14 UL 508 |
| Product Certifications | CULus E2 EAC RCM Ecolab |
| Ambient air temperature for operation | -13...158 °F (-25...70 °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 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 | 2 kV IEC 61000-4-4 |

Ordering and shipping details

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|-----------------------|---|
| Category | 22489 - SENSORS XX ULTRASONIC GEN PURPOSE |
| Discount Schedule | DS2 |
| GTIN | 3389119644907 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 5.50 oz (156 g) |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.65 in (4.2 cm) |
| Package 1 width | 3.74 in (9.5 cm) |
| Package 1 Length | 5.12 in (13 cm) |

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 |

Contractual warranty

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| Warranty | 18 months |
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