



Main

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| Range of Product | Telemecanique Ultrasonic sensors XX |
| Sensor Type | Ultrasonic sensor |
| Sensor name | XX9 |
| Material | PBT (polybutylene terephthalate) |
| Sensor design | Ø 18 mm |
| Product Specific Application | Analog output |
| Type of output signal | Analogue |
| Wiring Technique | 4-wire |
| [Us] rated supply voltage | 15...24 V DC reverse polarity protection |
| Electrical connection | Cable, 6.56 ft (2 m) |
| [Sd] sensing range | 2.75...4.00 in (69.9...101.6 mm) |
| 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 | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| Analogue output range | 0...10 V inverse |
| [Sn] nominal sensing distance | 4.00 in (101.6 mm) |
| Sensing window | 69.9 |
| Type of sensing window | Fixed |
| [Sa] assured operating distance | 0.13...9.00 in (3.18...228.6 mm) no teach mode) |
| Blind zone | 2.01 in (51 mm) |
| Transmission frequency | 500 kHz |
| Repeat accuracy | 1.27 % |
| Minimum size of detected object | Cylinder diameter 1.6 mm - up to 63.5 mm sensing distance |
| Status LED | Setting-up assistance 2 LEDs green/yellow (flashing) Output state 2 LEDs green/yellow) |
| Current Consumption | 50 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum switching capacity | 1 kOhm overload and short-circuit protection |
| Maximum delay response | 2.5 ms |
| Maximum delay recovery | 1000 ms |
| Marking | CE |
| Height | 0.71 in (18 mm) |
| Width | 0.71 in (18 mm) |
| Depth | 0.71 in (18 mm) |
| Length | 2.55 in (64.77 mm) |
| CAD overall height | 0.71 in (18 mm) |
| CAD overall width | 0.71 in (18 mm) |
| CAD overall depth | 0.71 in (18 mm) |
| Net Weight | 0.37 lb(US) (0.17 kg) |

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Environment

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| Standards | IEC 60947-5-2 |
| Product Certifications | UL |
| NEMA degree of protection | NEMA 4X indoor use only) |
| Ambient Air Temperature for Operation | 32...140 °F (0...60 °C) |
| Ambient Air Temperature for Storage | -40...212 °F (-40...100 °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 | 3389119130103 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.10 lb(US) (1.86 kg) |
| Returnability | No |
| Country of origin | US |

Packing Units

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|------------------------|--------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.56 in (3.97 cm) |
| Package 1 width | 3.75 in (9.525 cm) |
| Package 1 Length | 5.00 in (12.7 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 |
| Circularity Profile | End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
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