

XX918A3C2M12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, Sn 0.5 m, 4...20 mA, M12 connector

Main

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|-------------------------------|---|
| Range of Product | Telemecanique Ultrasonic sensors XX |
| Sensor Type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XX9 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 1.6 ft (0.5 m) adjustable with remote teach push-button |
| Material | Plastic |
| Type of output signal | Analogue |
| Wiring Technique | 4-wire |
| Analogue output function | 4...20 mA |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.167...1.667 ft (0.051...0.508 m) |
| Beam angle | 6 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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|---|--|
| Enclosure Material | Valox |
| Front material | Epoxy |
| Thread type | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0.167...1.667 ft (0.051...0.508 m) teach mode) |
| Blind zone | 0.000000000...2.008 in (0...51 mm) |
| Transmission frequency | 300 kHz |
| Repeat accuracy | 1.27 % |
| Deviation angle from 90° of object to be detected | -7...7 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm |
| Status LED | Setting-up assistance 1 LED dual colour) Supply on 1 LED green) Output state 1 LED yellow) |
| Current consumption | 40 mA |
| Maximum switching capacity | 10...500 Ohm overload and short-circuit protection |
| Maximum voltage drop | 1 V |
| Setting-up | Slope selection using teach button |
| Maximum delay first up | 100 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 25 ms |
| Marking | CE |
| Threaded length | 1.7 in (43 mm) |
| Height | 0.7 in (18 mm) |
| Width | 0.7 in (18 mm) |
| Depth | 3.1 in (79 mm) |
| Net Weight | 0.073 lb(US) (0.033 kg) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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| Standards | IEC 60947-5-2 |
| Product Certifications | cCSAus[RETURN]UL |
| Ambient Air Temperature for Operation | -4...149 °F (-20...65 °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 level 4 IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.1 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 | US10DS222490 |
| Discount Schedule | 0DS2 |
| GTIN | 3389119029841 |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 0.71 in (1.801 cm) |
| Package 1 Width | 3.09 in (7.838 cm) |
| Package 1 Length | 0.71 in (1.801 cm) |
| Package 1 Weight | 8.000 oz (226.796 g) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 5.91 in (15.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 7.941 lb(US) (3.602 kg) |

Offer Sustainability

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|----------------------------|---|
| SCIP Number | 435317c3-e86a-47b7-acde-88c832f96adb |
| 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 |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

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| Warranty | 18 months |
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