

XX9V1A1F1M12

Ultrasonic sensors XX, ultrasonic sensor parallelepipedic, Sn 0.5 m, 0...10 V, M12 connector

Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX9
Sensor design	Flat form 18 x 33 x 60 + 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	0...10 V
[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

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 2.5 mm 0.49 ft (0.15 m) Flat bar 1 mm wide 0.49 ft (0.15 m)
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	>= 1 kOhm overload and short-circuit protection
Setting-up	Slope selection using teach button
Maximum delay first up	100 ms
Maximum delay response	15 ms
Maximum delay recovery	10 ms
Marking	CE
Threaded length	0.8 in (20 mm)
Height	2.6 in (65 mm)
Width	1.7 in (44 mm)
Depth	0.7 in (18 mm)
Net Weight	0.20 lb(US) (0.09 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

Standards	IEC 60947-5-2
Product Certifications	UL[RETURN]cCSAus
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

Category	US10DS222490
Discount Schedule	0DS2
GTIN	3389119022750
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.57 in (4.000 cm)
Package 1 Width	3.39 in (8.600 cm)
Package 1 Length	3.54 in (9.000 cm)
Package 1 Weight	2.116 oz (60.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	18
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	3.497 lb(US) (1.586 kg)

Offer Sustainability

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

Warranty	18 months
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