

XXT12A8M8

Ultrasonic sensors XX, ultrasonic sensor cylindrical M12, transmitter Sn 0.2 m, M8 connector



Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor transmitter
Series name	General purpose
Sensor name	XXT
Sensor design	Cylindrical M12
Detection system	Thru beam need a receiver)
[Sn] nominal sensing distance	0.66 ft (0.2 m)
Material	Plastic
Wiring Technique	2-wire
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M8 4 pins
[Sd] sensing range	0.00...0.66 ft (0...0.2 m)
Beam angle	10 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure Material	ULTEM
Front material	Epoxy
Thread type	M12 x 1
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0.00...0.66 ft (0...0.2 m)
Transmission frequency	500 kHz
Repeat accuracy	0.79 %
Minimum size of detected object	Cylinder diameter 12 mm 0.66 ft (0.2 m)
Current Consumption	50 mA
Marking	CE
Threaded length	1.50 in (38 mm)
Height	0.47 in (12 mm)
Width	0.47 in (12 mm)
Depth	1.97 in (50 mm)
Net Weight	0.02 lb(US) (0.011 kg)

Environment

Standards	IEC 60947-5-2
Product Certifications	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	9.14 V/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV level 3 IEC 61000-4-4

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.

Ordering and shipping details

Category	22490-SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389119127974
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.61 in (4.1 cm)
Package 1 Width	2.56 in (6.5 cm)
Package 1 Length	3.78 in (9.6 cm)
Package 1 Weight	1.06 oz (29.983 g)
Unit Type of Package 2	S01
Number of Units in Package 2	22
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	31.04 oz (880.0 g)

Offer Sustainability

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

Warranty	18 months
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Minimum Mounting Distances



α $\pm 5^\circ$

Wiring Diagram



- (1) (+)
- (3) (-)
- BN Brown
- BU Blue