XXT12A8M8

ultrasonic sensor cylindrical M12 - transmitter Sn 0.2 m - M8 connector

Main

Range of product	OsiSense 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	0.2 m
Material	Plastic
Wiring technique	2-wire
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M8 4 pins
[Sd] sensing range	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...0.2 m
Transmission frequency	500 kHz
Repeat accuracy	0.79 %
Minimum size of detected object	Cylinder diameter 12 mm 0.2 m
Current consumption	50 mA
Marking	CE
Threaded length	38 mm

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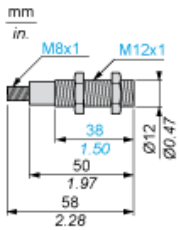|	
Height	12 mm
Width	12 mm
Depth	50 mm
Product weight	0.011 kg

Environment

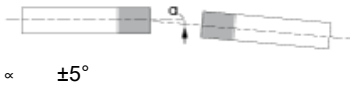|	
Standards	IEC 60947-5-2
Ambient air temperature for operation	-20...65 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	8 kV level 4 conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV level 3 conforming to IEC 61000-4-4

Contractual warranty

Warranty period	18 months

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Dimensions

Minimum Mounting Distances

∝   ±5°

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Wiring Diagram

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