XXT18A4M12

ultrasonic sensor cylindrical M18 - Sn 1 m - transmitter M12 connector

Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor transmitter
Series name	General purpose
Sensor name	XXT
Sensor design	Cylindrical M18
Detection system	Thru beam (need a receiver)
[Sn] nominal sensing distance	1 m
Material	Plastic
Wiring technique	2-wire
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0...1 m
Beam angle	6 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	ULTEM
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0...1 m
Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Minimum size of detected object	Cylinder diameter 114 mm 1 m
Current consumption	40 mA
Marking	CE
Threaded length	51 mm

May 17, 2017

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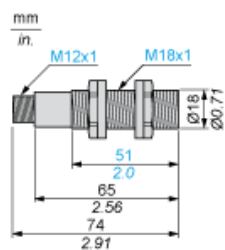|	
Height	18 mm
Width	18 mm
Depth	65 mm
Product weight	0.033 kg

Environment

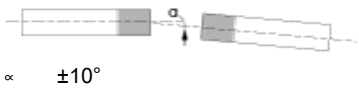|	
Standards	IEC 60947-5-2
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	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

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Minimum Mounting Distances

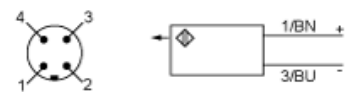∝   ±10°

Wiring Diagram

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