Product data sheet
Characteristics

XXT18A4M12
Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, Sn 1 m, transmitter M12 connector



Commercial status
End of commercialisation : NOV 01, 2020

⚠ End of commercialisation

Main

Range of product	Telemecanique Ultrasonic sensors 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 at 1 m
Current consumption	40 mA
Marking	CE
Threaded length	51 Mm
Height	18 Mm
Width	18 Mm
Depth	65 Mm
Net weight	0.033 Kg

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Environment

Standards	IEC 60947-5-2
Product certifications	UL
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 (f = 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	50.9 G
Package 1 Height	4.1 Cm
Package 1 width	6.5 Cm
Package 1 Length	9.6 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	1.725 Kg
Package 2 Height	15 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
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

Product Life Status : End of commerc. - Block