

XXTF1A8M12L

Ultrasonic sensors XX, ultrasonic sensor parallelepipedic 7x19x33, transmitter Sn 0.2 m, M12 connector



Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor transmitter
Series name	General purpose
Sensor name	XXT
Sensor design	Flat form 33 x 19 x 7.6
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 M12 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
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 at 0.2 m
Current consumption	50 mA
Marking	CE
Height	19 mm
Width	8 mm
Depth	33 mm
Net weight	0.04 kg

Environment

Standards	IEC 60947-5-2
Product certifications	UL
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 (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 Height	4.1 cm
Package 1 Width	6.5 cm
Package 1 Length	9.5 cm
Package 1 Weight	37.013 g

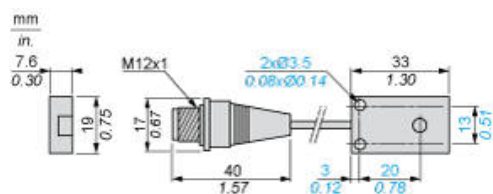
Offer Sustainability

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

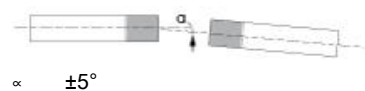
Contractual warranty

Warranty	18 months
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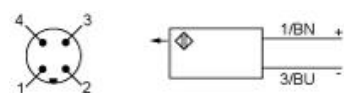
Dimensions



Minimum Mounting Distances



Wiring Diagram



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