



Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX9
Sensor design	Cylindrical M12
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
[Us] rated supply voltage	12...24 V DC reverse polarity protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Supply voltage limits	10...28 V DC
Maximum switching current	100 mA overload and short-circuit protection
Maximum voltage drop	1 V
Maximum delay first up	20 ms
Marking	CE

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

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389119129978
Nbr. of units in pkg.	1
Package weight(Lbs)	3.20 oz (90.719 g)
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.31 in (8.412 cm)
Package 1 width	3.31 in (8.412 cm)
Package 1 Length	3.31 in (8.412 cm)

Offer Sustainability

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
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months
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Mouser Electronics

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[XX9V3A1D4M12](#)