

Product data sheet

Characteristics

XX918A1A1L2

Ultrasonic sensors XX, ultrasonic sensor, 24 VDC
0 10 V +options



Price*: 663.00 USD



Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Sensor name	XX9
Material	PBT (polybutylene terephthalate)
Sensor design	Ø 18 mm
Product Specific Application	Analog output
Type of output signal	Analogue
Wiring Technique	4 wires
[Us] rated supply voltage	15...24 V DC reverse polarity protection
Electrical connection	Cable, 6.56 ft (2 m)
[Sd] sensing range	2.75...4.00 ln (69.9...101.6 mm)
Beam angle	10 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure Material	ULTEM
Front material	Silicone
ISO thread	M18 x 1
Supply voltage limits	10...28 V DC
Analogue output range	0...10 V inverse
[Sn] nominal sensing distance	4.00 ln (101.6 mm)
Sensing window	69.9
Type of sensing window	Fixed
[Sa] assured operating distance	0.13...9.00 ln (3.18...228.6 mm) no teach mode)
Blind zone	2.01 ln (51 mm)
Transmission frequency	500 KHz
Repeat accuracy	1.27 %
Minimum size of detected object	Cylinder diameter 1.6 mm - up to 63.5 mm sensing distance
Status LED	Setting-up assistance 2 LEDs green/yellow (flashing)) Output state 2 LEDs green/yellow)
Current Consumption	50 mA

Maximum switching current	100 MA overload and short-circuit protection
Maximum switching capacity	1 kOhm overload and short-circuit protection
Maximum delay response	2.5 Ms
Maximum delay recovery	1000 Ms
Marking	CE
Maximum Height	0.71 In (18 mm)
Maximum Width	0.71 In (18 mm)
Maximum Depth	0.71 In (18 mm)
Length	2.55 In (64.77 mm)
CAD overall height	0.71 In (18 mm)
CAD overall width	0.71 In (18 mm)
CAD overall depth	0.71 In (18 mm)
Net Weight	0.37 Lb(US) (0.17 kg)

Environment

Standards	IEC 60947-5-2
Product Certifications	UL
NEMA degree of protection	NEMA 4X indoor use only)
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-40...212 °F (-40...100 °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
Resistance to fast transients	1 KV level 3 IEC 61000-4-4

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	03389119130103
Nbr. of units in pkg.	1
Package weight(Lbs)	1 Lb(US) (0.45 kg)
Returnability	No
Country of origin	US

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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
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 : Commercialised