

XXW54P3APL01M12

Ultrasonic sensor, plastic, Wide Beam Ø54, 3m, 4...20mA+PNP, 0.15m cable + M12-5pin male connector

Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	Application
Sensor name	XXS
Sensor design	Ø 54 mm
Detection system	Diffuse
[Sn] nominal sensing distance	9.8 ft (3 m) software with kit
Material	Plastic
Type of output signal	Analogue + discrete
Discrete output function	1 NO or 1 NC programmable
Wiring Technique	5-wire
Discrete output type	PNP
Analogue output function	4...20 mA
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Remote male connector 5 pins, 0.49 ft (0.15 m)
[Sd] sensing range	1.394...9.8 ft (0.425...3 m)
Beam angle	50 °
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Enclosure Material	Valox
Front material	Ultem
Supply voltage limits	9...32 V DC
Function Available	With synchronisation mode Software configurable
[Sa] assured operating distance	1.394...9.8 ft (0.425...3 m) configurator software)
Maximum differential travel	0.8 in (20 mm)
Blind zone	16.7 in (425 mm)
Transmission frequency	48 kHz
Repeat accuracy	0.1 %
Minimum size of detected object	Cylinder diameter 12 mm 9.8 ft (3 m)
Status LED	Output state 1 LED yellow) Echo state and power ON 1 LED green/white)
Current consumption	30 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum switching capacity	250 Ohm 12 V DC overload and short-circuit protection 850 Ohm 24 V DC
Maximum voltage drop	2 V
Switching frequency	<= 1.6 Hz
Setting-up	Configurator software
Maximum delay first up	400 ms
Maximum delay response	300 ms
Maximum delay recovery	300 ms

Marking	CE
Height	2.1 in (54 mm)
Width	3.1 in (79 mm)
Depth	1.3 in (32.5 mm)
Net Weight	0.254 lb(US) (0.115 kg)

Environment

Standards	IEC 60947-5-2 CSA C22.2 No 14 UL 508
Product Certifications	cULus[RETURN]E2
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °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 8 kV air, 4 kV contact IEC 61000-4-2
Resistance to electromagnetic fields	9.1 V/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	2 kV IEC 61000-4-4

Ordering and shipping details

Category	US10DS222489
Discount Schedule	0DS2
GTIN	3389110003307
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.91 in (15 cm)
Package 1 Width	5.91 in (15 cm)
Package 1 Length	15.75 in (40 cm)
Package 1 Weight	4.960 oz (140.614 g)
Unit Type of Package 2	S01
Number of Units in Package 2	4
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	28.2 oz (800 g)

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	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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