

XX930S1A2M12

ultrasonic sensor - M30 stainless steel - diffuse - Sn
1m - 4..20 mA - M12



Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX9
Sensor design	Cylindrical M30
Detection system	Diffuse
[Sn] nominal sensing distance	1 m adjustable with teach push-button
Material	Metal
Type of output signal	Analogue
Wiring technique	4-wire
Analogue output function	4...20 mA
[Us] rated supply voltage	15...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.051...0.991 m
Beam angle	10 °
IP degree of protection	IP65 conforming to IEC 60529

Complementary

Enclosure material	Stainless steel 303
Front material	Silicone
Thread type	M30 x 1.5
Supply voltage limits	14...28 V DC
Function available	Without synchronisation mode
[Sa] assured operating distance	0.051...0.991 m (teach mode)
Blind zone	0...51 mm
Transmission frequency	200 kHz
Repeat accuracy	0.9 %
Deviation angle from 90° of object to be detected	-8...8 °
Minimum size of detected object	Cylinder diameter 1.6 mm at 0.635 m
Status LED	1 LED (dual colour) for setting-up assistance 1 LED (green) for supply on 1 LED (yellow) for output state
Current consumption	60 mA
Maximum switching capacity	10...500 Ohm overload and short-circuit protection
Setting-up	Slope selection using teach button
Delay first up	<= 720 ms
Delay response	<= 25 ms
Delay recovery	<= 25 ms
Marking	CE
Threaded length	45 mm
Height	35 mm
Width	35 mm
Depth	85 mm
Product weight	0.095 kg

Environment

standards	IEC 60947-5-2
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product certifications	CCSAus UL
ambient air temperature for operation	0...50 °C
ambient air temperature for storage	-40...80 °C
vibration resistance	+/-1 mm conforming to IEC 60068-2-6 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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1140 - Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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