Product data sheet
Characteristics

XX9V3A1D2L3
30MM VIRTU ANALOG -1M RANGE, 4-20MA,CABLE



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	3.28 ft (1 m) adjustable with remote teach push-button
Material	Plastic
Type of output signal	Analogue
Wiring technique	4-wire
Analogue output function	4...20 mA
[Us] rated supply voltage	15...24 V DC reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.33…3.28 ft (0.1…1 m)
Beam angle	7 °
IP degree of protection	IP67 IEC 60529

Complementary

Enclosure material	Valox
Front material	Epoxy
Thread type	M30 x 1.5
Supply voltage limits	10…28 V DC
[Sa] assured operating distance	0.33…3.28 ft (0.1…1 m) teach mode)
Blind zone	0.00…3.94 in (0…100 mm)
Transmission frequency	180 kHz
Repeat accuracy	0.9 %
Deviation angle from 90° of object to be detected	-5…5 °
Minimum size of detected object	Cylinder diameter 50.8 mm 3.28 ft (1 m)
Status LED	Setting-up assistance 1 LED dual colour) Supply on 1 LED green) Output state 1 LED yellow)
Current consumption	60 mA
Maximum switching capacity	350 Ohm overload and short-circuit protection
Setting-up	Slope selection using teach button
Maximum delay first up	1200 ms
Maximum delay response	250 ms
Maximum delay recovery	250 ms
Marking	CE
Threaded length	1.46 in (37 mm)
Maximum Height	3.78 in (96 mm)
Maximum Width	1.18 in (30 mm)
Net Weight	0.20 lb(US) (0.09 kg)

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Environment

Standards	IEC 60947-5-2
Product certifications	CCSAus UL
Ambient air temperature for operation	32…158 °F (0…70 °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
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	03389119129923
Package weight(Lbs)	1.12 oz (31.751 g)
Returnability	No
Country of origin	US

Offer Sustainability

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

Contractual warranty

Warranty	18 months