



## Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX7
Sensor design	Flat form 18 x 33 x 60 + cylindrical M18
Detection system	Diffuse
[Sn] nominal sensing distance	1.64 ft (0.5 m) adjustable with remote teach push-button
Material	Plastic
Type of output signal	Discrete
Discrete output function	1 NO
Wiring technique	3-wire
Discrete output type	NPN
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.17...1.67 ft (0.051...0.508 m)
Beam angle	12 °
IP degree of protection	IP67 IEC 60529

## Complementary

Enclosure material	Valox
Front material	Epoxy
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0.17...1.67 ft (0.051...0.508 m) teach mode)
Maximum differential travel	0.10 in (2.5 mm)
Blind zone	0.00...2.01 in (0...51 mm)
Transmission frequency	300 kHz

Repeat accuracy	1.27 %
Minimum size of detected object	Cylinder diameter 2.5 mm 0.49 ft (0.15 m) Flat bar 1 mm wide 0.49 ft (0.15 m)
Status LED	Supply on 1 LED green) Output state: 1 LED (yellow)
Current consumption	40 mA
Maximum switching current	100 mA
Maximum voltage drop	1 V
Switching frequency	<= 40 Hz
Maximum delay first up	100 ms
Maximum delay response	10 ms
Maximum delay recovery	10 ms
Marking	CE
Height	1.73 in (44 mm)
Width	0.71 in (18 mm)
Depth	2.36 in (60 mm)

## 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/yd (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV level 3 IEC 61000-4-4

## Packing Units

Package 1 Weight	0.13 lb(US) (0.058 kg)
Package 1 Height	0.360 dm
Package 1 width	0.710 dm
Package 1 Length	0.950 dm

## Offer Sustainability

Sustainable offer status	Green Premium product
RECh Regulation	<a href="#">RECh Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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