

Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX3
Sensor design	Cylindrical M18
Detection system	Diffuse
[Sn] nominal sensing distance	0.0381 m fixed
Material	Plastic
Type of output signal	Discrete
Discrete output function	1 NO
Wiring technique	4-wire
Discrete output type	PNP/NPN
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.12...0.17 ft (0.038...0.0508 m)
Beam angle	10 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	PEI
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0.038...0.0508 m
Maximum differential travel	0.5 in (12.7 mm)
Blind zone	0...1.25 in (0...31.8 mm)
Minimum size of detected object	Cylinder diameter 50.8 mm at 4.732 m
Status LED	1 LED (green) supply on 1 LED (amber) output state
Current consumption	100 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	< 1 V
Delay first up	20 ms
Delay response	1.5 ms
Delay recovery	1.5 ms
Marking	CE
Height	0.71 in (18 mm)
Width	0.71 in (18 mm)
Depth	3.76 in (95.5 mm)

Environment

standards	IEC 60947-5-2
product certifications	CCSAus UL
ambient air temperature for operation	32...122 °F (0...50 °C)
ambient air temperature for storage	-40...176 °F (-40...80 °C)
vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
shock resistance	30 gn in all 3 axes 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	9.14 V/yd (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

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

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Contractual warranty

Warranty period	18 months
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