



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	6.56 ft (2 m) adjustable with 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 with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.39...6.56 ft (0.12...2 m)
Beam angle	10 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	ULTEM
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	0.39...6.56 ft (0.12...2 m) (teach mode)
Blind zone	0...4.72 in (0...120 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) setting-up assistance/supply on/output state 1 LED (green) 1 LED (yellow)
Current consumption	80 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	250 ms
Delay recovery	25 ms
Marking	CE
Threaded length	1.77 in (45 mm)
Height	1.38 in (35 mm)
Width	1.38 in (35 mm)
Depth	3.35 in (85 mm)
Product weight	0.21 lb(US) (0.095 kg)

Environment

standards	IEC 60947-5-2
product certifications	CCSAus

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	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

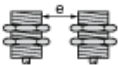
Not Green Premium product	Not Green Premium product
Will not be Compliant	Will not be Compliant
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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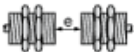
Minimum Mounting Distances

Side by side



e : respect the distances indicated on the detection curves

Face to face



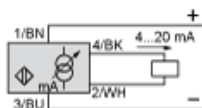
e > 4 x Sn

Wiring Diagram

4-Wire Type



- (1) (+)
- (2) Return signal or teach
- (3) (-)
- (4) Output signal



BN Brown
WH White
BU Blue
BK Black