



### Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Sensor name	XX7
Material	PBT (polybutylene terephthalate)
Sensor design	Flat form
Product specific application	Optimum and universal
Type of output signal	Discrete
Wiring technique	4 wires
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Discrete output function	1 NO
Discrete output type	NPN/PNP
Electrical connection	1 remote male connector M12, 4 pins
[Sd] sensing range	3.75...4 in (95.3...101.6 mm)
Beam angle	11 °
IP degree of protection	IP67 conforming to IEC 60529

### Complementary

Enclosure material	ULTEM
Front material	Glass epoxy
Supply voltage limits	10...28 V DC
[Sn] nominal sensing distance	4 in (101.6 mm)
Sensing window	101.6
Type of sensing window	Fixed
[Sa] assured operating distance	0.25...4.02 in (6.4...102 mm) (no teach mode)
Blind zone	2.01 in (51 mm)
Transmission frequency	500 kHz
Repeat accuracy	0.7 %
Deviation angle from 90° of object to be detected	-8...8 °
Minimum size of detected object	Cylinder diameter 2.5 mm up to 38 mm sensing distance
Status LED	2 LEDs (green/amber) output state
Current consumption	25 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	<= 1 V
Switching frequency	100 Hz
Delay recovery	1000 ms
Marking	CE
Height	0.3 in (7.62 mm)
Width	0.75 in (19.05 mm)
Depth	0.3 in (7.62 mm)
Length	0.75 in (19.05 mm)
CAD overall height	1.3 in (33.02 mm)
CAD overall width	0.75 in (19.05 mm)
CAD overall depth	0.3 in (7.62 mm)
Product weight	0.79 lb(US) (0.36 kg)

### Environment

standards	IEC 60947-5-2
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The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

product certifications	UL
NEMA degree of protection	NEMA 4X indoor use only
ambient air temperature for operation	-22...158 °F (-30...70 °C)
ambient air temperature for storage	-40...212 °F (-40...100 °C)
vibration resistance	+/-1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 11 ms (in all 3 axes) 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:      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](http://www.p65warnings.ca.gov)      For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## Contractual warranty

Warranty period      18 months