



Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX7
Sensor design	Flat form 74 x 30 x 16
Detection system	Diffuse
[Sn] nominal sensing distance	0.82 ft (0.25 m) fixed
Material	Plastic
Type of output signal	Discrete
Discrete output function	1 NO
Wiring technique	3-wire
Discrete output type	PNP
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.17...0.83 ft (0.051...0.254 m)
Beam angle	14 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	ULTEM
Front material	Silicone
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0.17...0.83 ft (0.051...0.254 m)
Maximum differential travel	0.01 in (0.35 mm)
Blind zone	0...2.01 in (0...51 mm)
Transmission frequency	500 kHz

Repeat accuracy	0.7 %
Minimum size of detected object	Cylinder diameter 1.6 mm
Status LED	1 LED (green) supply on 1 LED (yellow) output state
Current consumption	60 mA
Maximum switching current	100 mA
Voltage drop	< 1 V
Switching frequency	<= 80 Hz
Delay first up	350 ms
Delay response	5 ms
Delay recovery	5 ms
Marking	CE
Height	1.18 in (30 mm)
Width	0.67 in (17 mm)
Depth	3.35 in (85 mm)
Product weight	0.11 lb(US) (0.05 kg)

Environment

Standards	IEC 60947-5-2
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

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	00785901609025
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14000000000000001
Returnability	N
Country of origin	US

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1140 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details

Contractual warranty

Warranty period	18 months
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