Product data sheet
Characteristics

XXT18A4M12
ultrasonic sensor cylindrical M18 - Sn 1 m - transmitter M12 connector

Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor transmitter
Series name	General purpose
Sensor name	XXT
Sensor design	Cylindrical M18
Detection system	Thru beam need a receiver)
[Sn] nominal sensing distance	3.28 ft (1 m)
Material	Plastic
Wiring technique	2-wire
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.00…3.28 ft (0…1 m)
Beam angle	6 °
IP degree of protection	IP67 IEC 60529

Complementary

Enclosure material	ULTEM
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	10…28 V DC
[Sa] assured operating distance	0.00…3.28 ft (0…1 m)
Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Minimum size of detected object	Cylinder diameter 114 mm 3.28 ft (1 m)
Current consumption	40 mA
Marking	CE
Threaded length	2.01 in (51 mm)
Height	0.71 in (18 mm)
Maximum Width	0.71 in (18 mm)
Depth	2.56 in (65 mm)
Net Weight	0.07 lb(US) (0.033 kg)

Environment

Standards	IEC 60947-5-2
Product certifications	UL
Ambient air temperature for operation	32…140 °F (0…60 °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/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV level 3 IEC 61000-4-4

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Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	03389119128001
Nbr. of units in pkg.	1
Package weight(Lbs)	0.11 lb(US) (0.05 kg)
Returnability	No
Country of origin	US

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months