Product data sheet
Characteristics

XXTK1A3M12
ultrasonic sensor parallelepipedic 16x30x74 - transmitter Sn 0.6 m - M12 connect

Green Premium

Product Life Status : END OF COMMERCIALIZATION

TODAY
FEB 22, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
NOV 30, 2021



Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor transmitter
Series name	General purpose
Sensor name	XXT
Sensor design	Flat form 74 x 30 x 16
Detection system	Thru beam (need a receiver)
[Sn] nominal sensing distance	0.61 m
Material	Plastic
Wiring technique	2-wire
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0…0.61 m
Beam angle	6 °
IP degree of protection	IP67 conforming to IEC 60529

Product Life Status : END OF COMMERCIALIZATION

FEB 22, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
NOV 30, 2021

Complementary

Enclosure material	ULTEM
Front material	Silicone
Supply voltage limits	10…28 V DC
[Sa] assured operating distance	0…0.61 m
Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Minimum size of detected object	Cylinder diameter 38 mm at 0.6 m
Current consumption	40 mA
Marking	CE
Height	30 mm
Width	17 mm
Depth	85 mm
Net weight	0.05 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

Environment

Standards	IEC 60947-5-2
Product certifications	UL
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-40…80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 (f = 10…55 Hz)
Shock resistance	30 gn in all 3 axes for 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	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

Packing Units

Package 1 Weight	90.718 g

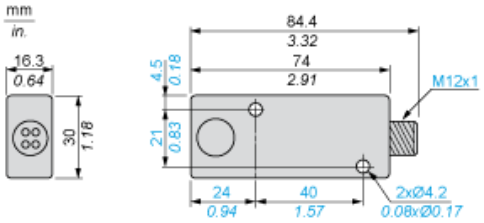
Offer Sustainability

Sustainable offer status	Green Premium product
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

Dimensions


mm
in.
16.3
0.64
30
1.18
84.4
3.32
74
2.91
4.5
0.18
21
0.83
M12x1
24
0.94
40
1.57
2xØ4.2
0.08xØ0.17

Minimum Mounting Distances



∝ ±8°

Wiring Diagram



(1) (+)
(3) (-)
BN Brown
BU Blue