



Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XXS
Sensor design	Cylindrical M30
Detection system	Diffuse
[Sn] nominal sensing distance	4 M adjustable with remote teach push-button
Material	Metal
Type of output signal	Analogue
Wiring technique	5-wire
Analogue output function	4...20 mA
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.420...4 M
IP degree of protection	IP65 conforming to IEC 60529 IP67

Complementary


Enclosure material	Nickel plated brass
Front material	Epoxy Rubber Resin
Supply voltage limits	10...30 V DC
Function available	With synchronisation mode Software configurable
[Sa] assured operating distance	0.420...4 M (teach mode)
Blind zone	420 Mm
Transmission frequency	80 KHz
Repeat accuracy	0.1 %
Deviation angle from 90° of object to be detected	-10...10 °
Minimum size of detected object	Cylinder diameter 1 mm at 1.8 m
Status LED	Output state: 1 LED (yellow) Echo state: 1 LED (green)
Current consumption	65 mA
Maximum switching capacity	250 Ohm with 12 V DC overload and short-circuit protection 850 Ohm with 24 V DC
Setting-up	Teach mode Configurator software
Maximum delay first up	500 Ms
Maximum delay recovery	400 Ms
Marking	CE

Threaded length	74.7 Mm
Height	30 Mm
Width	40 Mm
Depth	119 Mm
Product weight	0.21 Kg

Environment

Standards	EN/IEC 60947-5-2 CSA C22.2 No 14 UL 508
Product certifications	CULus E2 EAC RCM Ecolab
Ambient air temperature for operation	-25...70 °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 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	2 KV conforming to IEC 61000-4-4

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**