Product data sheet
Characteristics

XS606B3CAL01M12
inductive sensor XS6 Ø6.5 - L51mm - brass - Sn2.5mm - 12..24VDC - M12 0.15m



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS6
Sensor design	Cylindrical Ø 6.5 mm plain
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 0...2.5 mm
Operating zone	0…2 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 3000 Hz DC
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.3 ms
Marking	CE
Threaded length	30 mm
Length	51 mm
Net weight	0.07 kg

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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.
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Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	30 g
Package 1 Height	4.1 cm
Package 1 width	6.4 cm
Package 1 Length	9.4 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	30 g
Package 2 Height	1.5 cm
Package 2 width	20 cm
Package 2 Length	15 cm
Unit Type of Package 3	S01
Number of Units in Package 3	22
Package 3 Weight	873 g
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

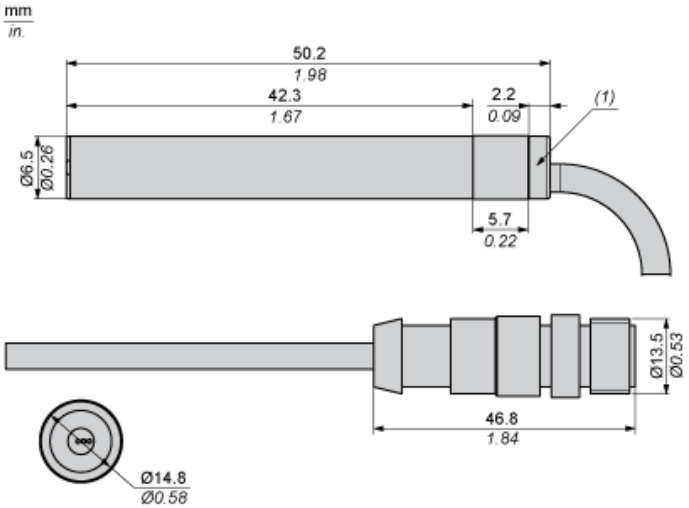
Offer Sustainability

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

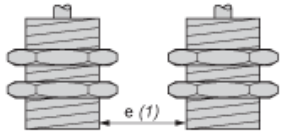
Dimensions



(1) LED

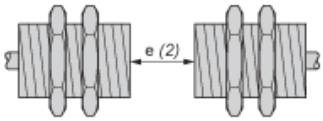
Minimum Mounting Distances in mm

Side by side



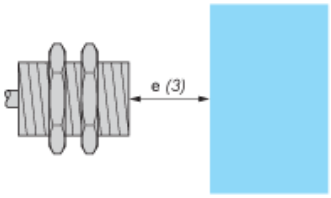
e (1) 5 mm/0.20 in.
≥

Face to face



e (2) 30 mm/1.18 in.
≥

Facing a metal object



e (3) 8 mm/0.31 in.
≥

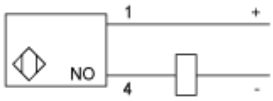
Wiring Schemes

2-Wire Polarised

M12 connector

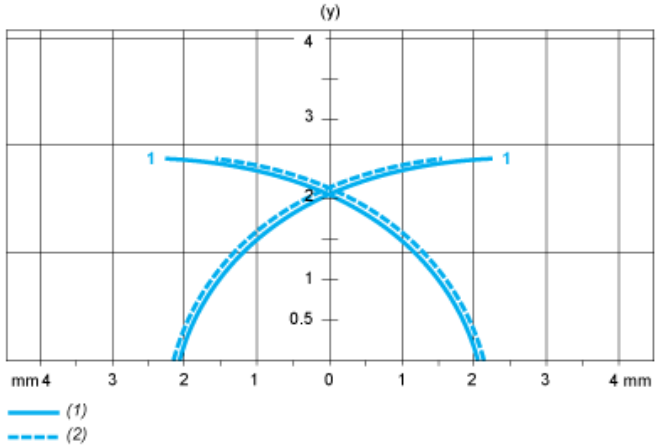


NO output



Performance Curves

Standard Steel Target (mm) : 8x8x1



(1) Pick-up points
(2) Drop-out points (object approaching from the side)
(y) Sensing distance in mm