

XS1M30MA239L01A

inductive sensor XS1 M30 - L62mm - brass -
Sn20mm - 24..240 VAC/DC - 7/8" 0.15m



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M30
Size	62 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	20 mm
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	3 pins 7/8"16 UNF remote male connector
Cable length	0.15 m
[Us] rated supply voltage	24...240 V AC/DC
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...16 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 25 Hz AC <= 500 Hz DC
Maximum voltage drop	<5.5 V (closed)
Maximum delay first up	25 ms
Maximum delay response	0.5 ms
Maximum delay recovery	2 ms
Marking	CE
Threaded length	52 mm
Height	30 mm
Length	62 mm
Net weight	0.12 kg

Environment

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

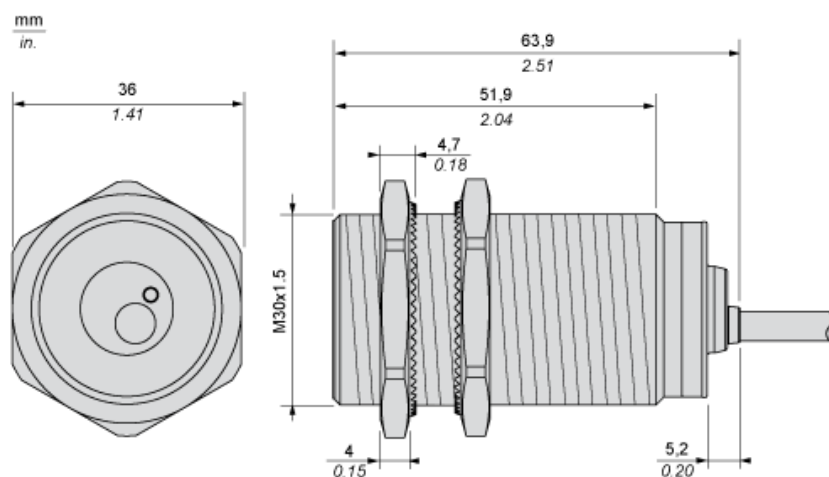
Packing Units

Package 1 Weight	0.124 kg
Package 1 Height	0.420 dm
Package 1 width	0.970 dm
Package 1 Length	1.320 dm

Contractual warranty

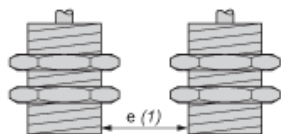
Warranty	18 months
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Dimensions



Minimum Mounting Distances

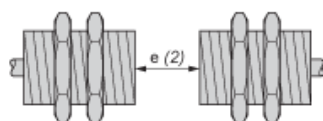
Side by side



e (1) 20 mm/0.79 in

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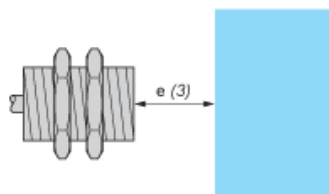
Face to face



e (2) 120 mm/4.72 in

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Facing a metal object

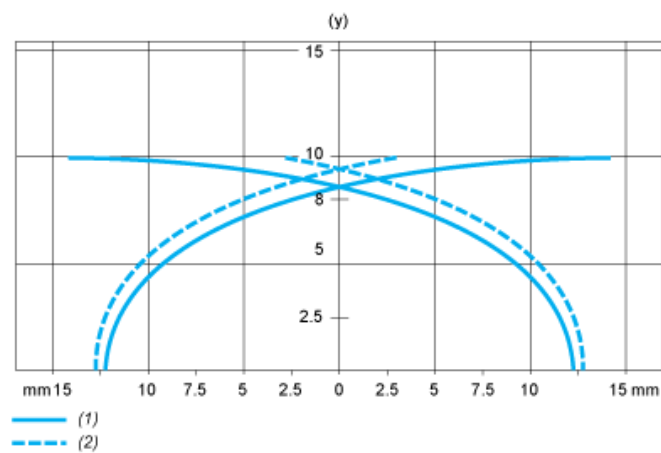


e (3) 30 mm/1.18 in.

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Performance Curves

Standard Steel Target : 30x30x1 mm



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