

# XS1M30MA250K

inductive sensor XS1 M30 - L72mm - brass -  
Sn10mm - 24..240VAC/DC - 1/2"



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection multi voltage
Device application	2-wire DC short-circuit protection
Sensor name	XS1
Sensor design	Cylindrical M30
Size	72 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	10 mm
Discrete output function	1 NO
Electrical connection	Male connector 1/2"20 UNF, 3 pins
[Us] rated supply voltage	24...210 V DC 24...240 V AC 50/60 Hz
Switching capacity in mA	5...300 mA AC with overload and short-circuit protection 5...200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 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...8 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow) Supply on: 1 LED (green)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V (closed state)
Maximum delay first up	70 ms
Maximum delay response	2 ms
Maximum delay recovery	5 ms
Marking	CE
Threaded length	51 mm
Length	72 mm
Net weight	0.145 kg






## Environment

Product certifications	CSA UL CCC
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 60068-2-7

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	152 g
Package 1 Height	4.2 cm
Package 1 width	7.6 cm
Package 1 Length	11.9 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	164 g
Package 2 Height	3 cm
Package 2 width	25 cm
Package 2 Length	20 cm
Unit Type of Package 3	S01
Number of Units in Package 3	12
Package 3 Weight	2.027 kg
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

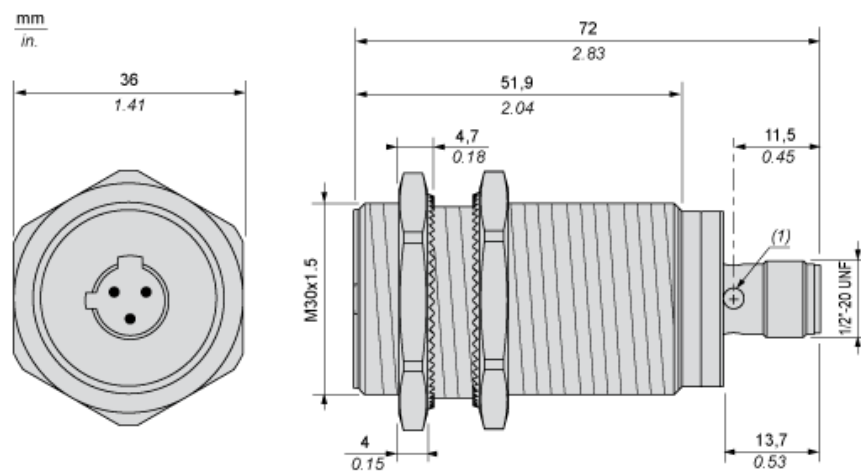
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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## Dimensions



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### Minimum Mounting Distances

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Side by side



e (1) 20 mm/0.79 in

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Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object



e (3) 30 mm/1.18 in.

≥

## Wiring Schemes

1/2"-20UNF

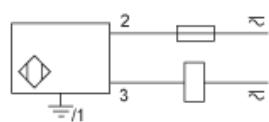


1 : Grounding

2 : AC

3 : AC

NO output

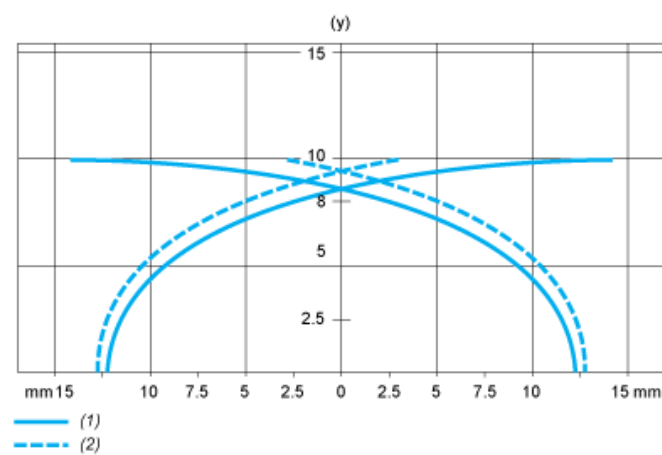


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Performance Curves

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Standard Steel Target : 30x30x1 mm



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