



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M30
Size	73 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
Output circuit type	AC/DC
Electrical connection	3 pins 1/2"20 UNF male connector
[Us] rated supply voltage	24...240 V AC/DC with reverse polarity protection
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Disclaimer: 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

## 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 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	73 mm
Net weight	0.165 kg

## 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	164 g
Package 1 Height	4.1 cm
Package 1 width	6.8 cm
Package 1 Length	9.8 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	20 cm
Package 2 Length	15 cm
Unit Type of Package 3	S02
Number of Units in Package 3	44
Package 3 Weight	7.647 kg
Package 3 Height	15 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
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>

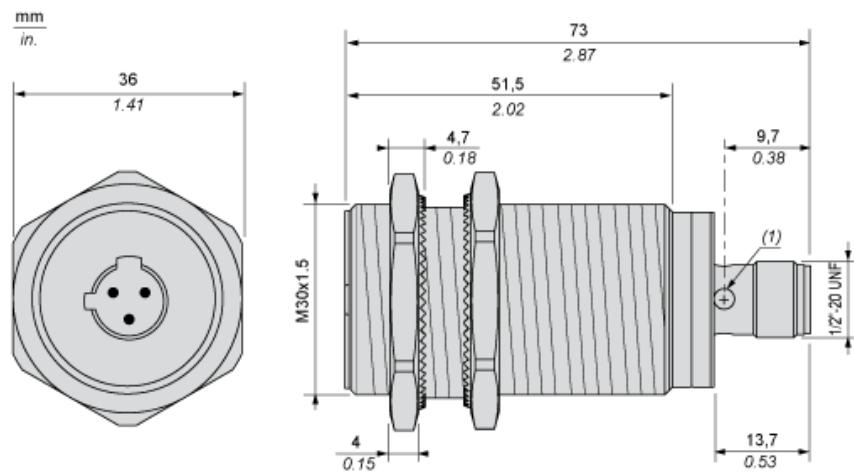
## Contractual warranty

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Warranty	18 months
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Dimensions



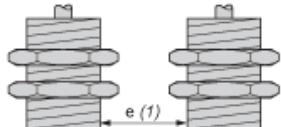
(1) : LED

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### Minimum Mounting Distances

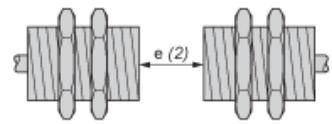
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Side by side



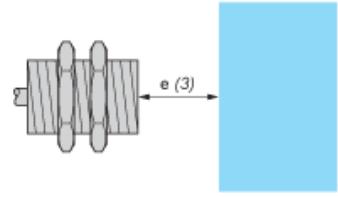
$e (1) \geq 30 \text{ mm/1.18 in.}$

Face to face



$e (2) \geq 180 \text{ mm/7.09 in.}$

Facing a metal object

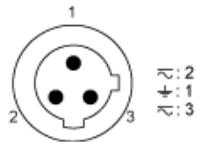


$e (3) \geq 45 \text{ mm/1.77 in.}$

## Wiring Schemes

1/2"-20UNF

1/2"-20UNF



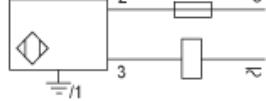
## 1 : Grounding

2 : AC

2 : AC  
3 : AC

NO output

1

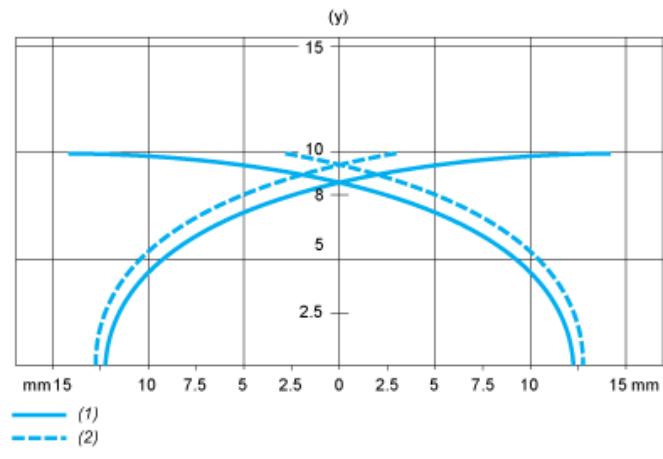


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Performance Curves

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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