

# XS1M18KPM40D

inductive sensor XS1 M18 - L70mm - brass -  
Sn5mm - 12..24VDC - M12



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Factor 1 (Fe/Nfe)
Sensor name	XS1
Sensor design	Cylindrical M18
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0...4 mm
Differential travel	1...15% of Sr
Repeat accuracy	3% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...38 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2.6 V (closed)
Current consumption	0...15 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	52 mm
Height	18 mm
Length	70 mm






## Environment

Product certifications	CSA UL
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	66 g
Package 1 Height	2.6 cm
Package 1 width	8 cm
Package 1 Length	15.6 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	77 g
Package 2 Height	1.8 cm
Package 2 width	20 cm
Package 2 Length	15 cm
Unit Type of Package 3	S01
Number of Units in Package 3	11
Package 3 Weight	929.333 g
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

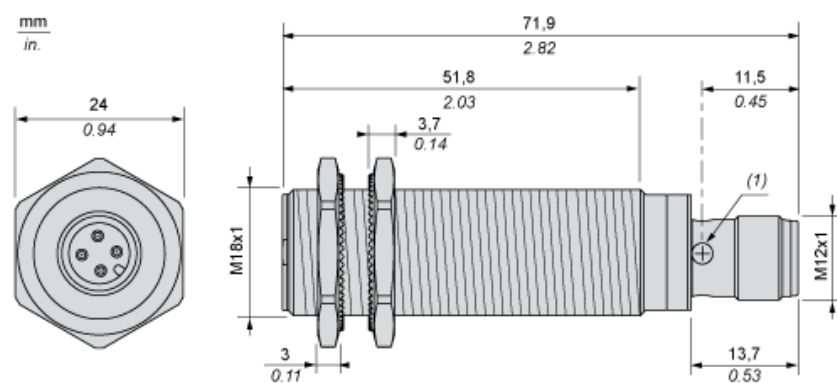
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<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

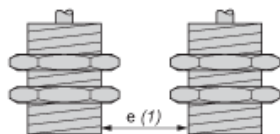


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### Minimum Mounting Distances

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Side by side



e (1) 10 mm/0.39 in.

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Face to face



e (2) 60 mm/2.36 in.

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Facing a metal object

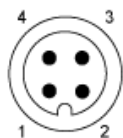


e (3) 15 mm/0.60 in.

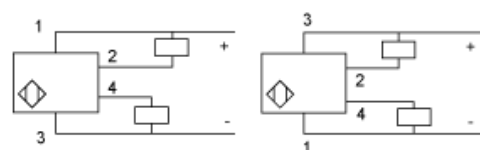
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## Wiring Schemes

M12 Connector



4-Wire DC, PNP/NPN, NO or NC output

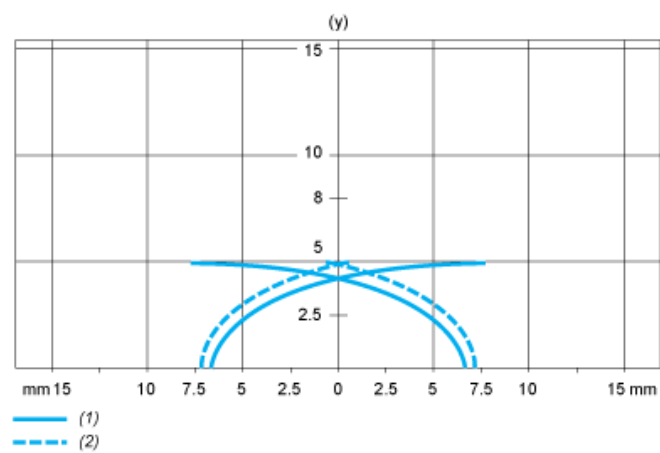


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Performance Curves

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Standard Steel Target : 18x18x1 mm



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