

# XS518B1DBL08M12

inductive sensor XS5 M18 - L62mm - brass -  
Sn5mm - 12..48VDC - M12 - 0.8 m



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M18
Size	56 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	5 mm
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	4 pins M12 remote male connector
Cable length	0.8 m
[Us] rated supply voltage	12...48 V DC
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

## Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...4 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...58 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 3000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	52 mm
Height	18 mm

Length	62 mm
Net weight	0.15 kg

## Environment

Product certifications	CCC UL CSA
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	0.090 kg
Package 1 Height	0.420 dm
Package 1 width	0.970 dm
Package 1 Length	1.320 dm

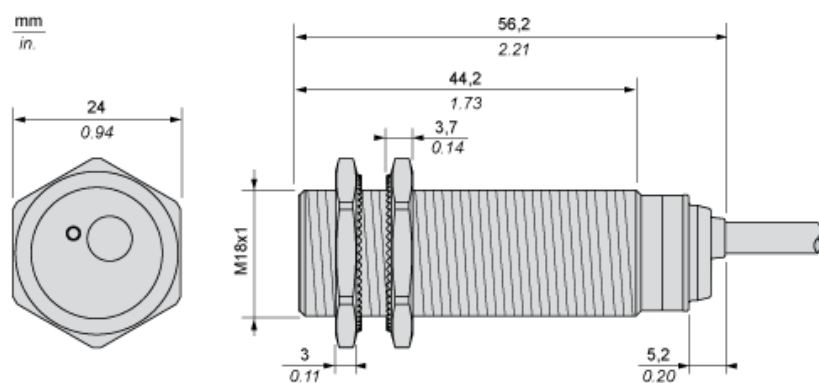
## Offer Sustainability

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

Warranty	18 months
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Dimensions

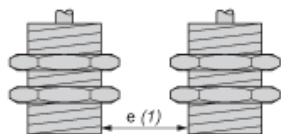


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### Minimum Mounting Distances

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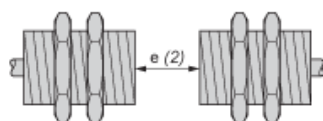
Side by side



e (1) 10 mm/0.39 in.

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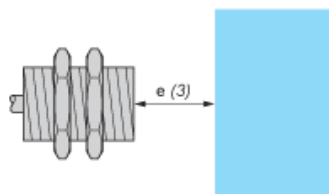
Face to face



e (2) 60 mm/2.36 in.

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Facing a metal object



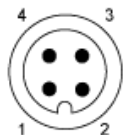
e (3) 15 mm/0.60 in

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## Wiring Schemes

### 2-Wire Non-polarised

M12 connector



NC output

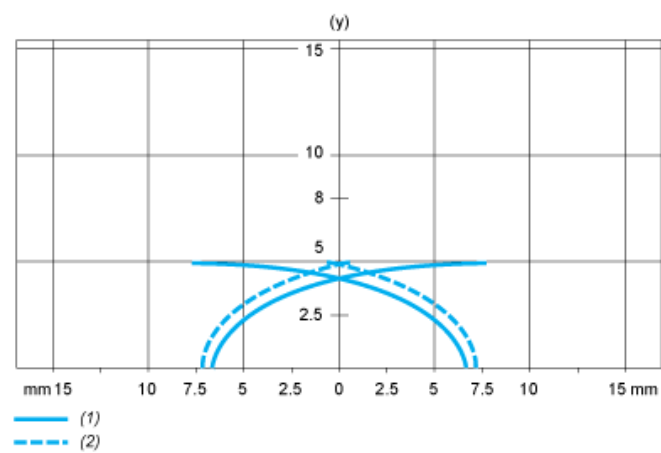


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Performance Curves

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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