

# XSAN01122EX

Inductive proximity sensors XS ATEX D,  
inductive sensor Namur, M8, Sn1.5 mm, 7...12  
VDC, cable 2 m



## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XSA
Sensor design	Cylindrical M8
Size	8 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Enclosure material	Stainless steel
[Sn] nominal sensing distance	1.5 mm
Type of output signal	Discrete
Wiring technique	2-wire
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	Namur
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	7...12 V DC
Switching capacity in mA	<= 1 mA
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Sensing range	> 0...2.5 mm
Operating zone	0...0.8 mm
Cable composition	2 x 0.11 mm <sup>2</sup>
Wire insulation material	PVC
Maximum residual current	3 mA open state
Switching frequency	<= 1.5 kHz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	26.5 mm
Length	26.5 mm

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## Environment

Environmental characteristic	Hazardous location
Standards	EN/IEC 60079-0 EN/IEC 60079-11
Directives	94/9/EC - ATEX directive
Product certifications	INERIS 04ATEX0016X
Ambient air temperature for operation	-20...60 °C
Dust zone	Zone 20

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	4 cm
Package 1 Length	9.5 cm
Package 1 Weight	90 g

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

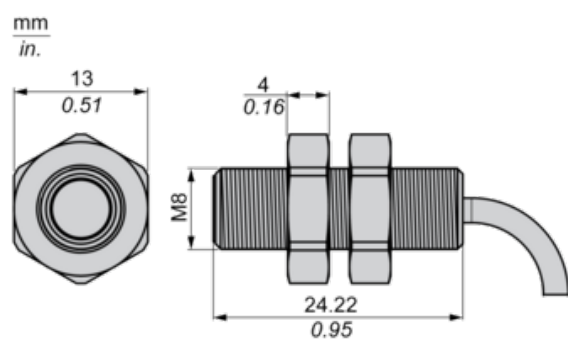
## Contractual warranty

Warranty	18 months
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Dimensions

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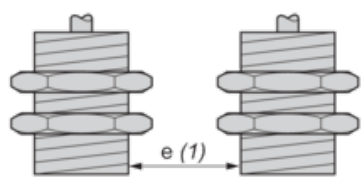


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### Minimum Mounting Distances

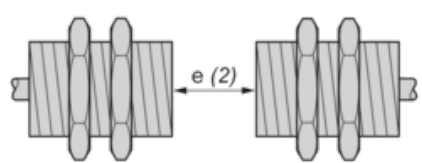
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Side by side



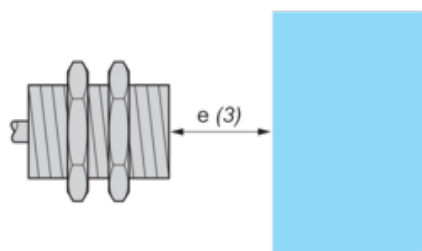
$e (1) \geq 3 \text{ mm}/0.12 \text{ in.}$

Face to face



$e (2) \geq 18 \text{ mm}/0.71 \text{ in.}$

Facing a metal object



$e (3) \geq 4.5 \text{ mm}/0.18 \text{ in.}$

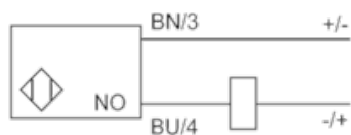
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## Wiring Schemes

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### 2-Wire Non-polarised

NO output

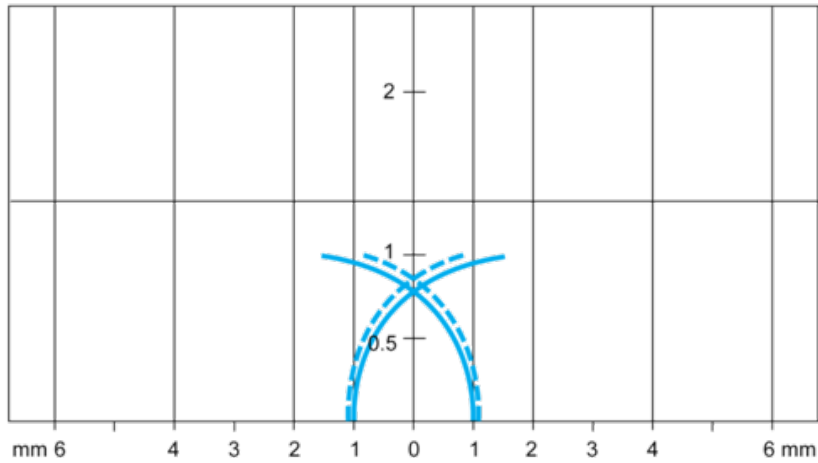


BU : Blue

BN : Brown

Performance Curves

Standard Steel Target (mm) : 5x5x1



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