

# XSPN01122EX

inductive sensor Namur - M8 - Sn1.5mm -  
7..12VDC - cable 2m



## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XSP
Sensor design	Cylindrical M8
Size	8 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	Plastic
[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...1.2 mm
Cable composition	2 x 0.11 mm <sup>2</sup>
Wire insulation material	PVC
Maximum residual current	3 mA open state
Switching frequency	<= 1000 Hz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	24.5 mm
Length	26.5 mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Environmental characteristic	Hazardous location
Standards	EN/IEC 60079-11 EN/IEC 60079-0
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

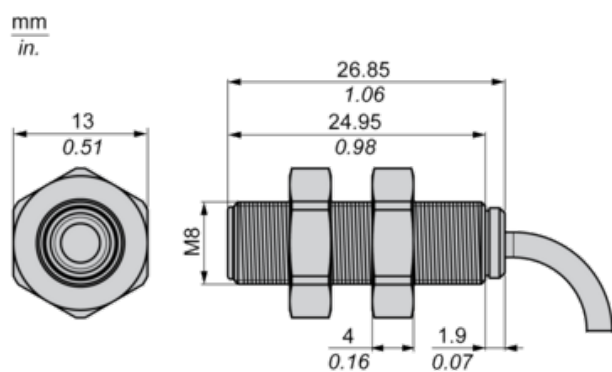
## Offer Sustainability

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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### 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

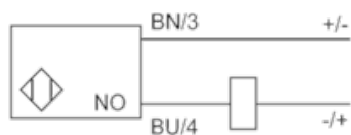


$e (3) \geq 4.5 \text{ mm}/0.18 \text{ in.}$

## Wiring Schemes

### 2-Wire Non-polarised

NO output



BU : Blue

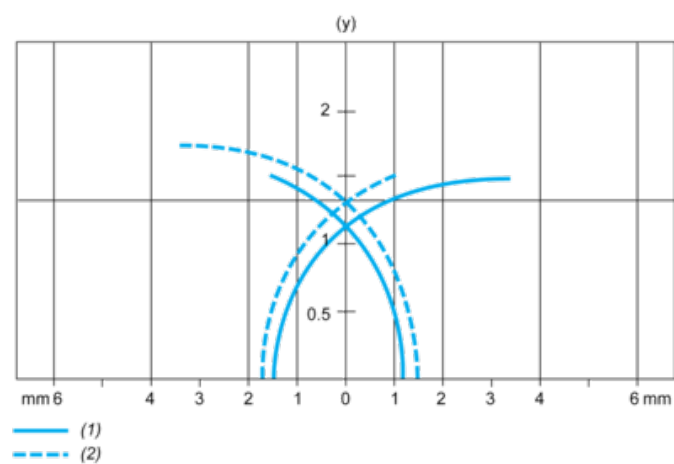
BN : Brown

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Performance Curves

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Standard Steel Target : 8x8x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm