Product data sheet
Characteristics

XSPN05122EX
inductive sensor Namur - M18 - Sn5mm - 7..12VDC - cable 2m



Main

Range of product	OsiSense XS ATEX D
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XSP
Sensor design	Cylindrical M18
Size	41 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	Plastic
[Sn] nominal sensing distance	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	M18 x 1
Detection face	Frontal
Front material	PPS
Sensing range	> 4...8 mm
Operating zone	0…4 mm
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR
Maximum residual current	3 mA open state
Switching frequency	<= 500 Hz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	29 mm
Height	18 mm
Length	41 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.
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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 Weight	100 g
Package 1 Height	3 cm
Package 1 width	11.5 cm
Package 1 Length	11.6 cm

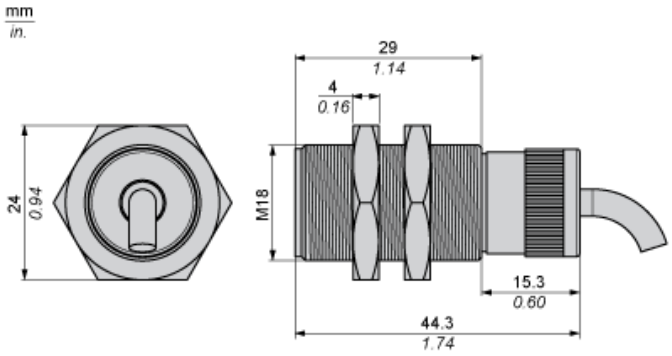
Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

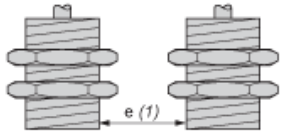
Warranty	18 months

Dimensions



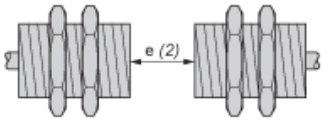
Minimum Mounting Distances

Side by side



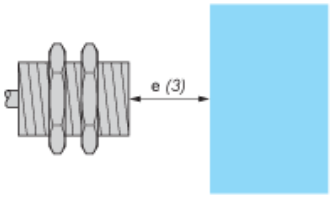
e (1) 10 mm/0.39 in.
≥

Face to face



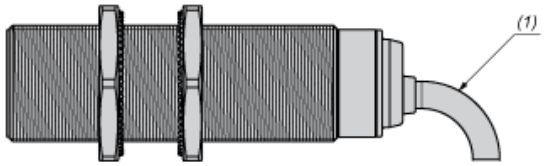
e (2) 60 mm/2.36 in.
≥

Facing a metal object



e (3) 15 mm/0.60 in
≥

Mounting

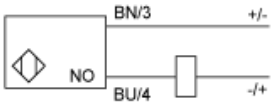


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

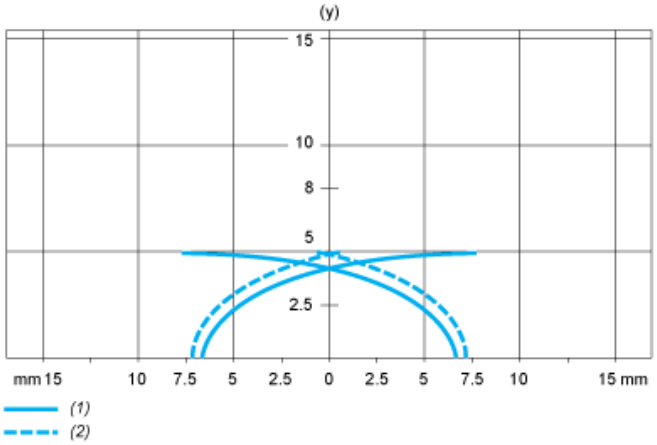
NO output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 18x18x1 mm



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