Product data sheet
Characteristics

XSAN01122EX

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	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 mm²
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

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

EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months

Dimensions
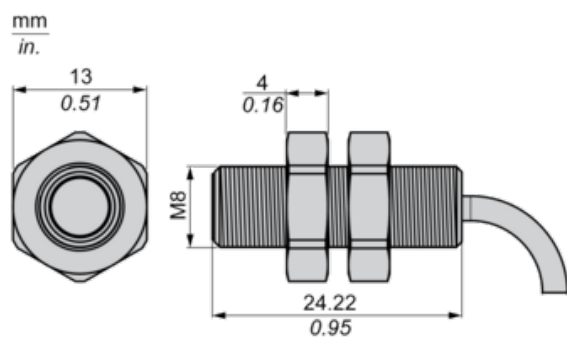
Minimum Mounting Distances

Side by side

e (1) ≥ 3 mm/0.12 in.

Face to face

e (2) ≥ 18 mm/0.71 in.

Facing a metal object

e (3) ≥ 4.5 mm/0.18 in.

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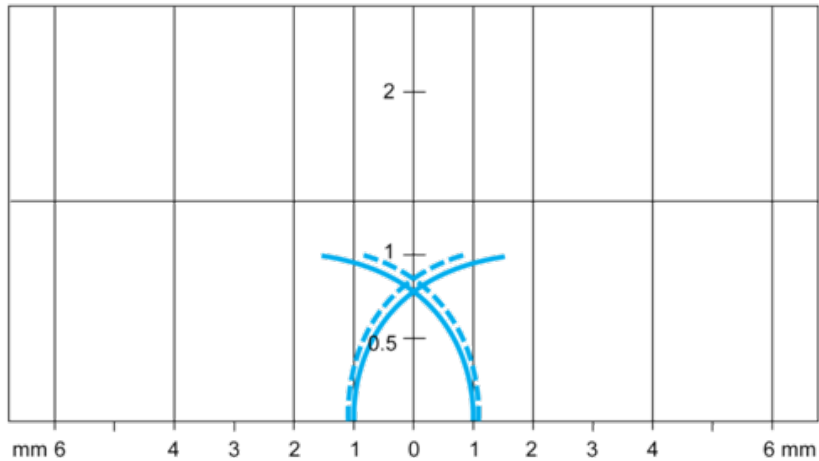
2-Wire Non-polarised

NO output
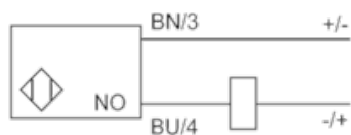
BU : Blue

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