Product datasheet
Characteristics

XSPN04122EX
inductive sensor Namur - M12 - L38.5mm - plastic - Sn4mm - 7..12VDC - cable 2m

Price* : 69.37 GBP

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 M12
Size	38.5 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	Plastic
[Sn] nominal sensing distance	4 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	M12 x 1
Detection face	Frontal
Front material	PPS
Sensing range	> 2.5...4 mm
Operating zone	0…3.2 mm
Cable composition	2 x 0.34 mm²

Wire insulation material	PvR
Status LED	Output state: 1 LED (red)
Maximum residual current	3 mA open state
Switching frequency	<= 400 Hz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	32.5 mm
Height	12 mm
Length	38.5 mm

Environment

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

Offer Sustainability

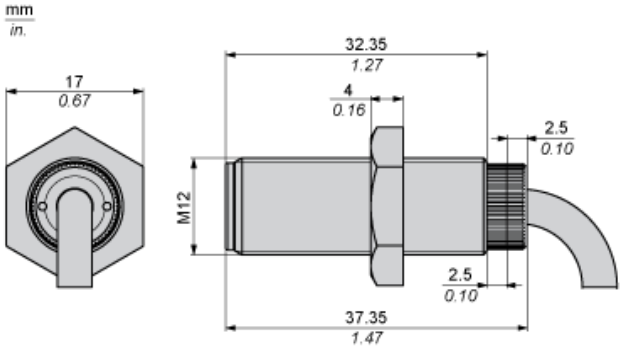
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months

XSPN04122EX

Dimensions



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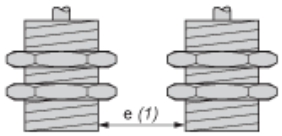
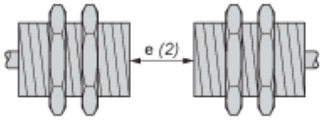
Minimum Mounting Distances

Side by side



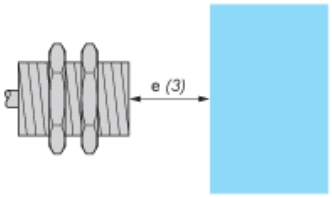
e (1) ≥ 4 mm/0.16 in.

Face to face



e (2) ≥ 24 mm/0.94 in.

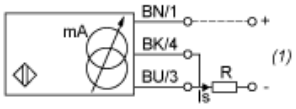
Facing a metal object



e (3) ≥ 6 mm/0.24 in.

Wiring Schemes

2-Wire connection

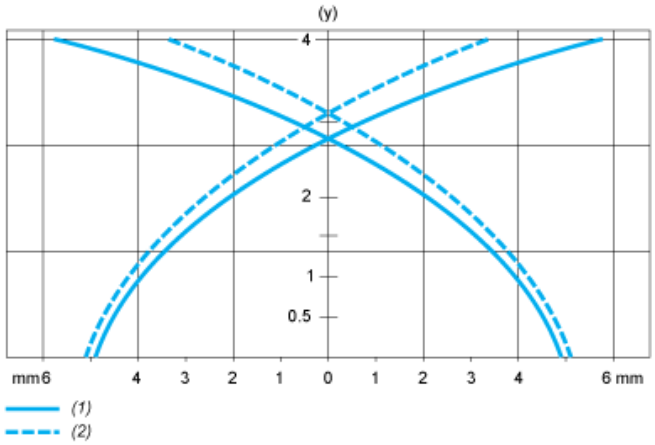


(1) Output current
BN : Brown
BK : Black
BU : Blue

	Output current	Load impedance value
12 V	4...20 mA	R ≤ 8.2 Ω
24 V	4...20 mA	R ≤ 470 Ω

Performance Curves

Standard Steel Target : 12x12x1 mm



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