

## 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	Flush mountable
Material	Plastic
Enclosure material	Plastic
[Sn] nominal sensing distance	2 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
Operating zone	0...1.6 mm
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Residual current	<= 3 mA open state
Switching frequency	<= 800 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 60079-0 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

## Offer Sustainability

---

RoHS (date code: YYWW)	Will not be compliant
------------------------	-----------------------

---

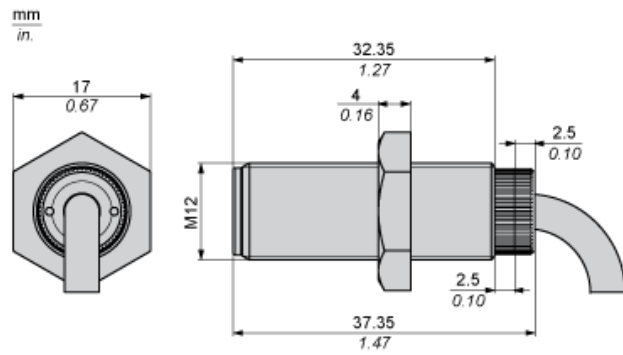
## Contractual warranty

---

Warranty period	18 months 18 months
-----------------	---------------------

---

Dimensions



## 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

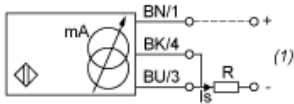


e (3) 6 mm/0.24 in.

≥

## Wiring Schemes

### 2-Wire connection



(1) Output current

BN : Brown

BK : Black

BU : Blue

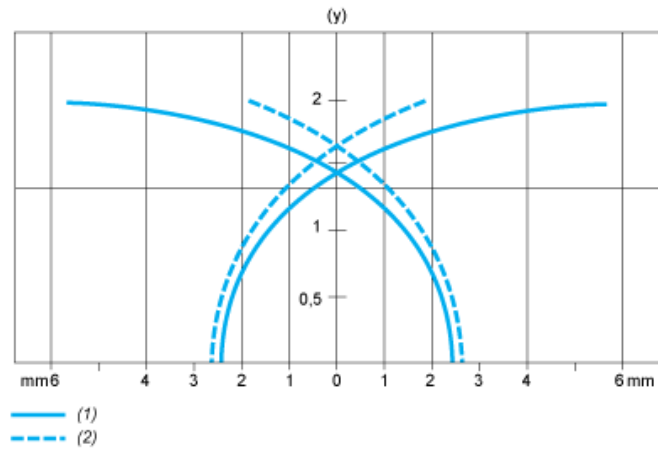
	Output current	Load impedance value
12 V	4...20 mA	$R \leq 8.2 \Omega$
24 V	4...20 mA	$R \leq 470 \Omega$

---

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