



### Main

Range of product	OsiSense XS ATEX D
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XSA
Sensor design	Cylindrical M8
Size	26.5 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Enclosure material	Stainless steel
[Sn] nominal sensing distance	0.06 in (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	6.56 ft (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
Operating zone	0...0.03 in (0...0.8 mm)
Cable composition	2 x 0.11 mm <sup>2</sup>
Wire insulation material	PvR
Residual current	<= 3 mA open state
Switching frequency	<= 1.5 kHz
Marking	II1 D-Ex ia IIC T85°C Da IP66/67
Threaded length	1.04 in (26.5 mm)
Height	0.31 in (8 mm)
Length	1.04 in (26.5 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	-4...140 °F (-20...60 °C)
dust zone	Zone 20

### Offer Sustainability

Not Green Premium product	Not Green Premium product
---------------------------	---------------------------

Will not be Compliant

Will not be Compliant

WARNING: This product can expose you to chemicals including:

Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and

Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and

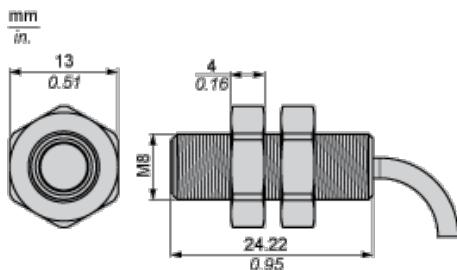
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

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 [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

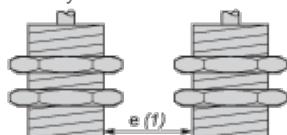
For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## Dimensions



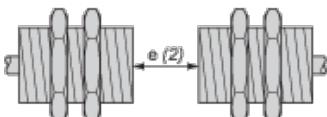
## Minimum Mounting Distances

Side by side



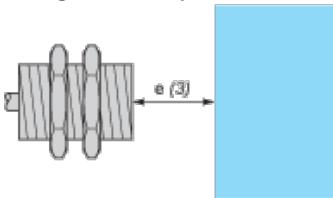
e (1) 3 mm/0.12 in.  
≥

Face to face



e (2) 18 mm/0.71 in.  
≥

Facing a metal object



e (3) 4.5 mm/0.18 in.  
≥

## Wiring Schemes

### 2-Wire Non-polarised

NO output

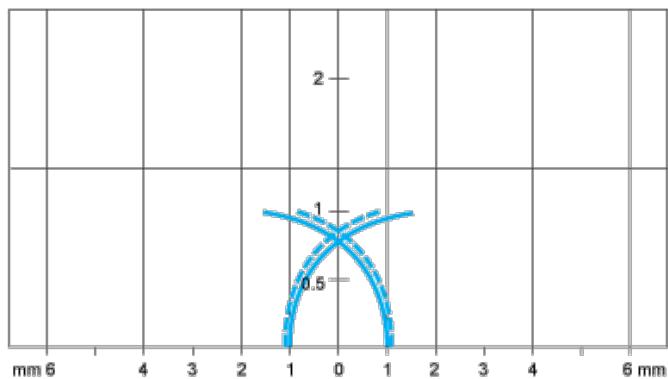


BU : Blue

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