



## 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 M30
Size	43.5 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	Plastic
[Sn] nominal sensing distance	0.59 in (15 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	M30 x 1.5
Detection face	Frontal
Front material	PPS
Operating zone	0...0.47 in (0...12 mm)
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED red (output state)
Residual current	<= 3 mA open state
Switching frequency	<= 200 Hz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	1.34 in (34 mm)
Height	1.18 in (30 mm)
Length	1.71 in (43.5 mm)

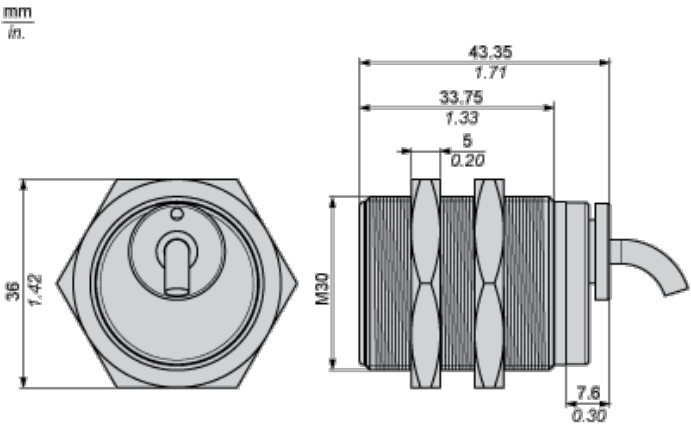
## Environment

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

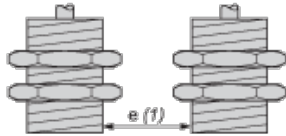
Not Green Premium product	Not Green Premium product
Will not be Compliant	Will not be Compliant
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

# Dimensions



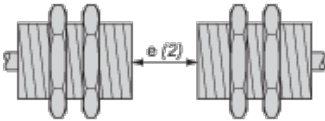
# Minimum Mounting Distances

Side by side



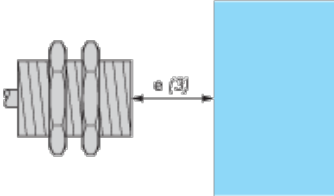
e (1) 20 mm/0.79 in  
≥

Face to face



e (2) 120 mm/4.72 in  
≥

Facing a metal object

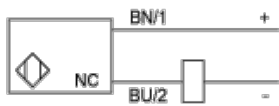


e (3) 30 mm/1.18 in.  
≥

# Wiring Schemes

## 2-wire DC Polarised

NC Output

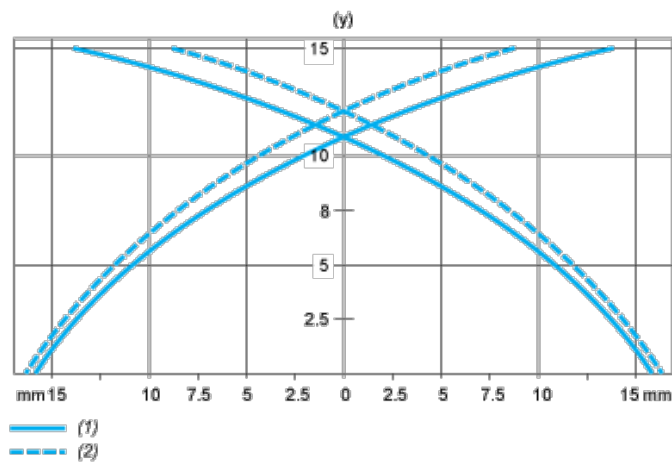


BN : Brown

BU : Blue

## Performance Curves

Standard Steel Target : 45x45x1 mm



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