



Main

Range of product	OsiSense XS ATEX D
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XS7
Sensor design	Flat form 26 x 26 x 13
Size	13 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
[Sn] nominal sensing distance	0.39 in (10 mm)
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	32.81 ft (10 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...0.31 in (0...8 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED yellow (output state)
Supply voltage limits	10...36 V DC
Residual current	<= 0.5 mA open state
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V, closed contact(s)
Current consumption	<= 10 mA, no-load
Delay first up	<= 10 ms
Delay response	<= 2 ms
Delay recovery	<= 6 ms
Marking	II2 D-Ex tb IIIC T90°C Db IP67
Depth	0.51 in (13 mm)
Height	1.57 in (40 mm)
Width	1.02 in (26 mm)

Environment

standards	EN/IEC 60079-0
-----------	----------------

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

	EN/IEC 60079-31
directives	94/9/EC - ATEX directive
product certifications	INERIS 06ATEX0065X
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	25 gn +/- 2 mm 10...55 Hz IEC 60068-2-6
shock resistance	50 gn 11 ms conforming to IEC 60068-2-27
dust zone	Zone 21 - 22

Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0945 - Schneider Electric declaration of conformity	Compliant - since 0945 - Schneider Electric declaration of conformity
Available	Available
Need no specific recycling operations	Need no specific recycling operations
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 www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov