Product data sheet
Characteristics

XS1N05PA311LS01
inductive sensor XS1 M5 - L29mm - stainless - Sn0.8mm - DC - M8

Green Premium

Product Life Status : END OF STANDARD SERVICE

TODAY
FEB 21, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
JAN 29, 2021



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M5
Size	29 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.8 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Remote male connector M8, 3 pins

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Complementary

Thread type	M5 x 0.5
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0…0.6 mm
Status LED	Output state: 1 LED (yellow)
Threaded length	29 mm
Length	29 mm

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.
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	52 g
Package 1 Height	4.5 cm
Package 1 width	8.2 cm
Package 1 Length	14.8 cm

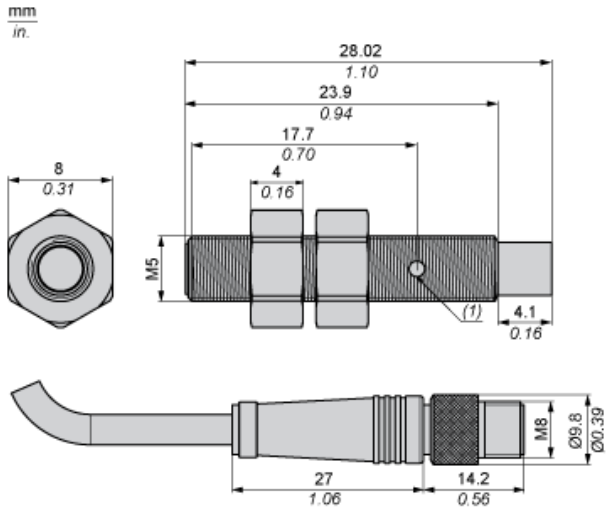
Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

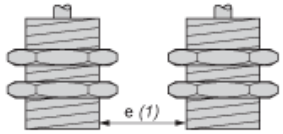
Dimensions



(1) LED

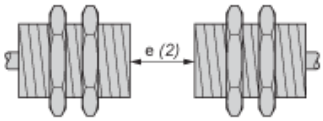
Minimum Mounting Distances in mm

Side by side



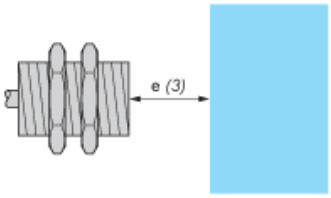
e (1) 2 mm/0.79 in.
≥

Face to face



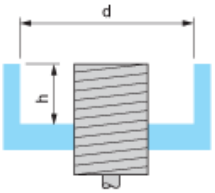
e (2) 12 mm/0.47 in.
≥

Facing a metal object



e (3) 3 mm/0.12 in.
≥

Mounted in a metal support

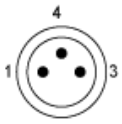


d ≥ 5 mm/0.17 in.
h ≥ 0 mm/0 in.

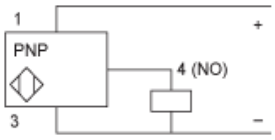
Tightening torque : 2.2 N.m. (values obtained with washers mounted)

Wiring Schemes

M8 Connector

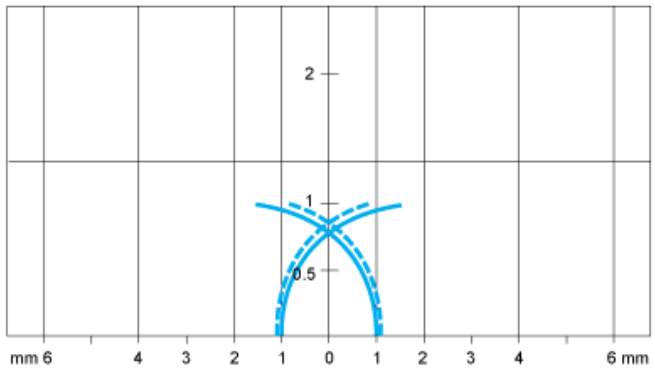


PNP



Performance Curves

Standard Steel Target (mm) : 5x5x1



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