

XS1N08PA349S

Inductive proximity sensors XS, inductive sensor XS1 M8, L42mm, brass, Sn2.5 mm, 12...24 VDC, M8



Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS1
Sensor design	Cylindrical M8
Size	42 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure Material	Nickel Plated Brass
Type of output signal	Discrete
Wiring Technique	3-wire
[Sn] nominal sensing distance	0.10 in (2.5 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M8, 3 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA DC overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0.0000000000...0.08 in (0...2 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.02 in (26 mm)
Height	0.3 in (8 mm)
Length	1.7 in (42 mm)
Net Weight	0.033 lb(US) (0.015 kg)

Environment

Product Certifications	UL[RETURN]CSA
Ambient Air Temperature for Operation	-13.0000000000...122.0000000000 °F (-25...50 °C)
Ambient Air Temperature for Storage	-40.0000000000...185.0000000000 °F (-40...85 °C)
Vibration resistance	25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27


Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110911213
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 in (6.6 cm)
Package 1 Width	3.7 in (9.5 cm)
Package 1 Length	1.7 in (4.2 cm)
Package 1 Weight	0.6 oz (18 g)

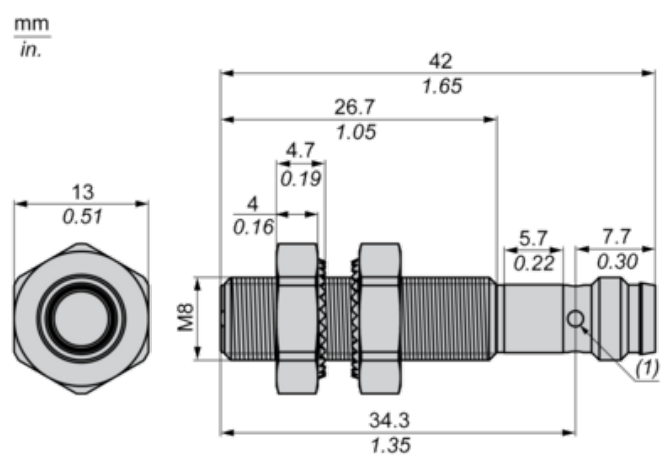
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov
Circularity Profile	 End of Life Information
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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Dimensions



Minimum Mounting Distances in mm

Side by side



$e (1) \geq 5 \text{ mm}/0.20 \text{ in.}$

Face to face



$e (2) \geq 30 \text{ mm}/1.18 \text{ in.}$

Facing a metal object



$e (3) \geq 7.5 \text{ mm}/0.30 \text{ in.}$

Mounted in a metal support

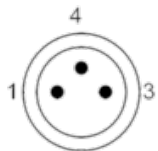


$d \geq 10 \text{ mm}/0.39 \text{ in.}$

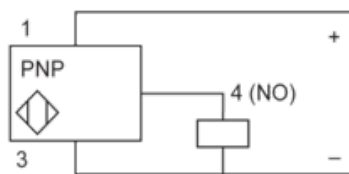
$h \geq 1.6 \text{ mm}/0.06 \text{ in.}$

Wiring Schemes

M8 Connector

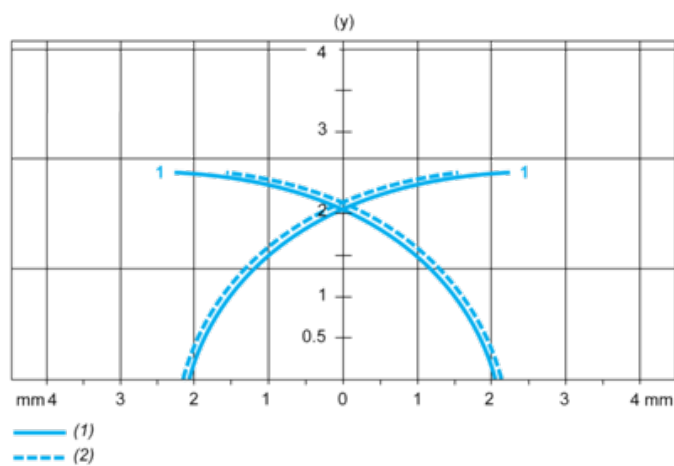


PNP



Performance Curves

Standard Steel Target (mm) : 8x8x1



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm