

Product data sheet Characteristics

XS106B3NBM8

inductive sensor XS1 Ø6.5 - L42mm - brass - Sn2.5mm - 12..24VDC - M8





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical Ø 6.5 mm plain
Size	42 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Male connector M8, 3 pins
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

Complementary

- Complementary	
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	02 mm
Differential travel	115% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Length	42 mm

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Environment

Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	6.4 cm	
Package 1 Width	4.1 cm	
Package 1 Length	9.4 cm	
Package 1 Weight	10 g	

Offer Sustainability

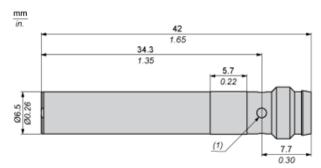
Sustainable offer status	Green Premium product
REACh Regulation	[™] REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	€ Yes
Circularity Profile	End Of Life Information

Contractual warranty

Product data sheet Dimensions Drawings

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Dimensions

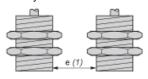


(1) LED

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Minimum Mounting Distances in mm

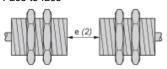
Side by side



e (1) 5 mm/0.20 in.

≥

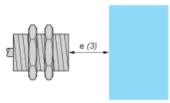
Face to face



e (2) 30 mm/1.18 in.

≥

Facing a metal object



e (3) 8 mm/0.31 in.

≥

Product data sheet Connections and Schema

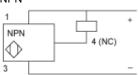
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Wiring Schemes

M8 Connector



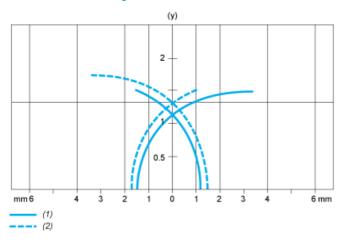
NPN



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Performance Curves

Standard Steel Target: 8x8x1 mm



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