

Product data sheet Characteristics

XS508B1PAL10

inductive sensor XS5 M8 - L33mm - stainless - Sn1.5mm - 12..24VDC - cable 10m





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M8
Size	33 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	1.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	10 m
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Complementary	
Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	01.2 mm
Differential travel	115% of Sr
Cable composition	3 x 0.11 mm ²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE

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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.

Threaded length	25 mm
Length	33 mm
Net weight	0.355 kg

Environment

Product certifications	UL[RETURN]CSA
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	4.2 cm	
Package 1 Width	9.6 cm	
Package 1 Length	13.2 cm	
Package 1 Weight	142 g	

Offer Sustainability

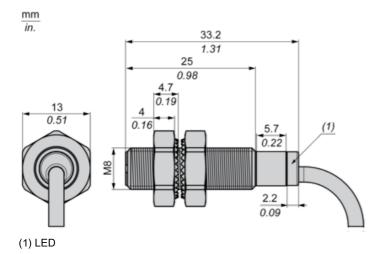
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EV RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Circularity Profile	☑ End Of Life Information

Contractual warranty

Warranty	18 months
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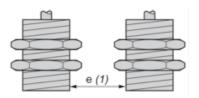
Dimensions



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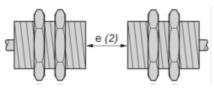
Minimum Mounting Distances

Side by side

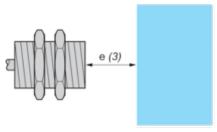


e (1) \geq 3 mm/0.12 in.

Face to face

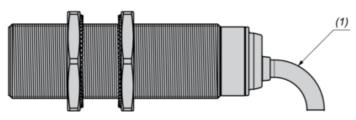


e (2) ≥ 18 mm/0.71 in. Facing a metal object



e (3) \geq 4.5 mm/0.18 in.

Mounting

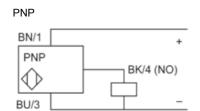


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes

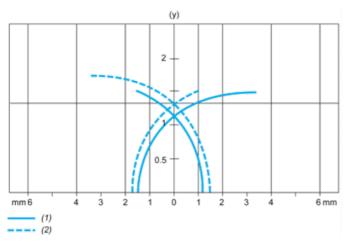


BU : Blue BN : Brown BK : Black

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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