

Product data sheet

Characteristics

XS506B1PAM12

Inductive proximity sensors XS, inductive sensor XS5 Ø 6.5, L45mm, stainless, Sn1.5 mm, 12...24 VDC, M12



Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.com. You can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
EAN Code: 3389119046299



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 Ø 6.5 mm plain
Size	45 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	1.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 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

Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0...1.2 mm
Differential travel	1...15% of Sr
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 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
Length	45 mm
Net weight	0.025 kg

Environment

Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 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	6.6 cm
Package 1 Length	9.6 cm
Package 1 Weight	24.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.469 kg

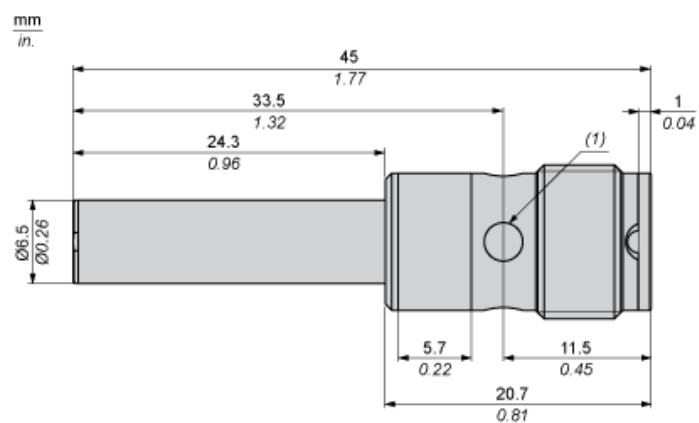
Offer Sustainability

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

Warranty	18 months
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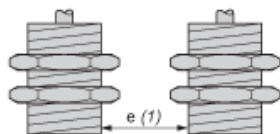
Dimensions



(1) LED

Minimum Mounting Distances

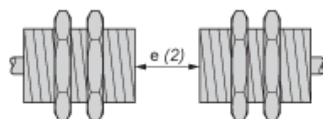
Side by side



e (1) 3 mm/0.12 in.

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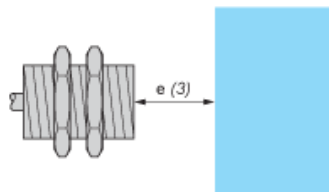
Face to face



e (2) 18 mm/0.71 in.

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Facing a metal object

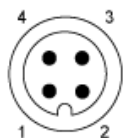


e (3) 4.5 mm/0.18 in.

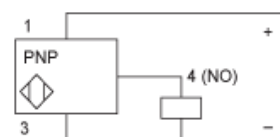
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Wiring Schemes

M12 connector



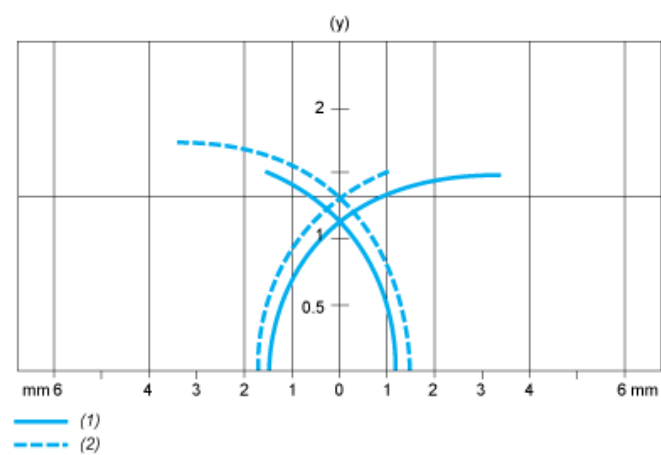
PNP



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output

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