

# Product data sheet

Specifications



inductive sensor XS1 Ø6.5 - L50mm  
- stainless - Sn1.5mm - 12..24VDC -  
cable 2m

XS1L06NC410TF

XS1L06NC410TF has not been replaced. Please contact your customer care center for more information.

⚠ Discontinued

## 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 Ø 6.5 mm plain
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA 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

<b>Differential travel</b>	1...15% of Sr
<b>Cable composition</b>	4 x 0.08 mm <sup>2</sup>
<b>Wire insulation material</b>	PvR
<b>Status LED</b>	Output state: 1 LED (yellow)
<b>Supply voltage limits</b>	10...36 V DC
<b>Switching frequency</b>	<= 5000 Hz
<b>Maximum voltage drop</b>	<2 V (closed)
<b>Current consumption</b>	0...10 mA no-load
<b>Maximum delay first up</b>	5 ms
<b>Maximum delay response</b>	0.1 ms
<b>Maximum delay recovery</b>	0.1 ms
<b>Marking</b>	CE
<b>Threaded length</b>	0 mm
<b>Length</b>	50 mm

## Environment

<b>Product certifications</b>	CSA UL
<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Vibration resistance</b>	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

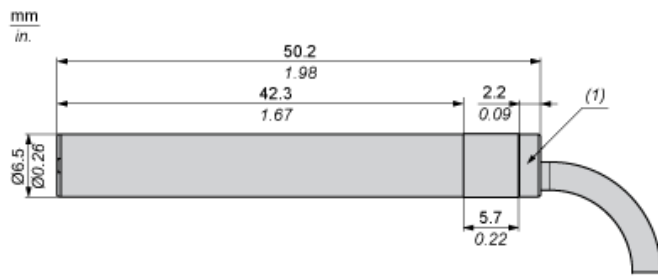
<b>Package 1 Weight</b>	1.000 kg
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## Contractual warranty

<b>Warranty</b>	18 months
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Dimensions

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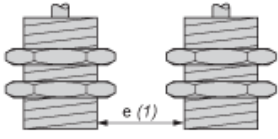


(1) LED

**Minimum Mounting Distances**

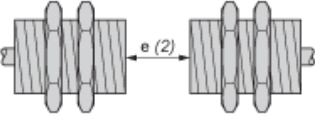
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Side by side



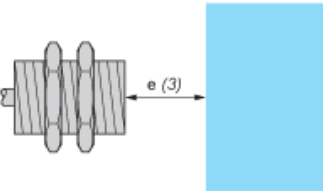
**e (1) ≥ 3 mm/0.12 in.**

Face to face



**e (2) ≥ 18 mm/0.71 in.**

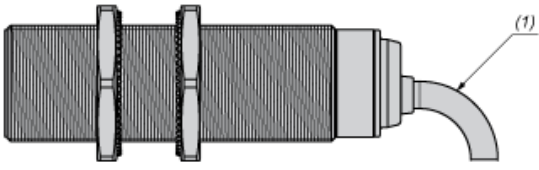
Facing a metal object



**e (3) ≥ 4.5 mm/0.18 in.**

**Mounting**

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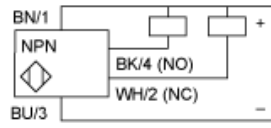


(1) Bending cable: 4 x external cable diameter

**Wiring Schemes**

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NPN 4-wire

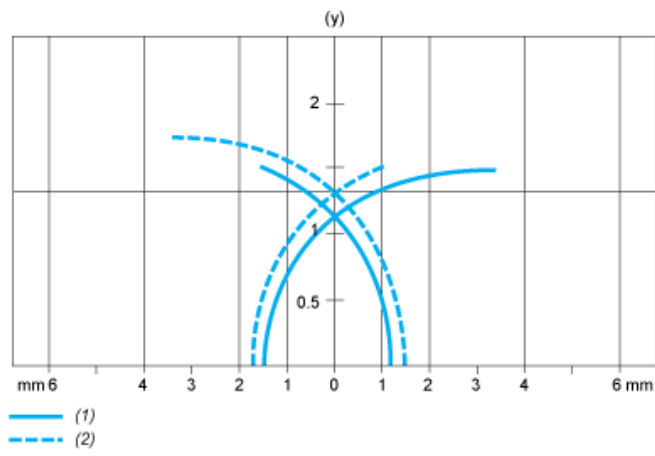


- BU :** Blue
- BN :** Brown
- BK :** Black
- WH :** White

Performance Curves

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Standard Steel Target : 8x8x1 mm



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