

Product data sheet

Specifications



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

XS1L06NC410L1

⚠ 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	5 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

Differential travel	1...15% of Sr
Cable composition	4 x 0.08 mm ²
Wire insulation material	PvR
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	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	0 mm
Length	50 mm
Net weight	0.145 kg

Environment

Product certifications	UL CSA
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

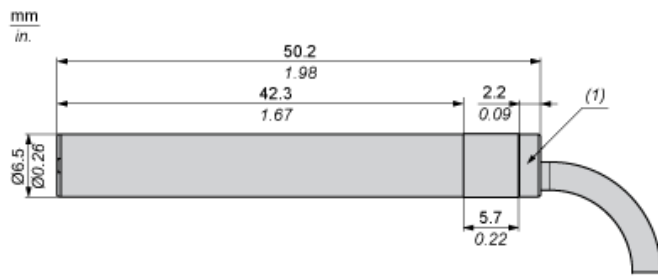
Packing Units

Package 1 Weight	0.001 kg
Package 1 Height	0.010 dm
Package 1 width	0.010 dm
Package 1 Length	0.020 dm

Contractual warranty

Warranty	18 months
-----------------	-----------

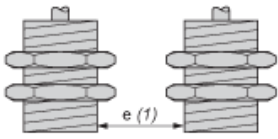
Dimensions



(1) LED

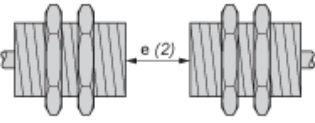
Minimum Mounting Distances

Side by side



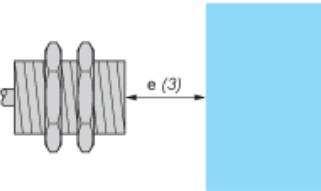
e (1) ≥ 3 mm/0.12 in.

Face to face



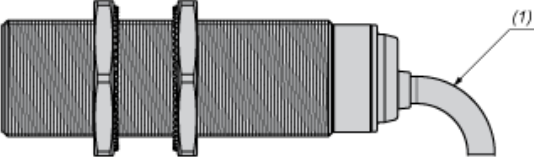
e (2) ≥ 18 mm/0.71 in.

Facing a metal object



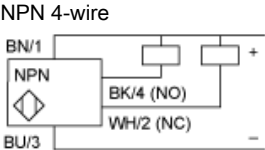
e (3) ≥ 4.5 mm/0.18 in.

Mounting



(1) Bending cable: 4 x external cable diameter

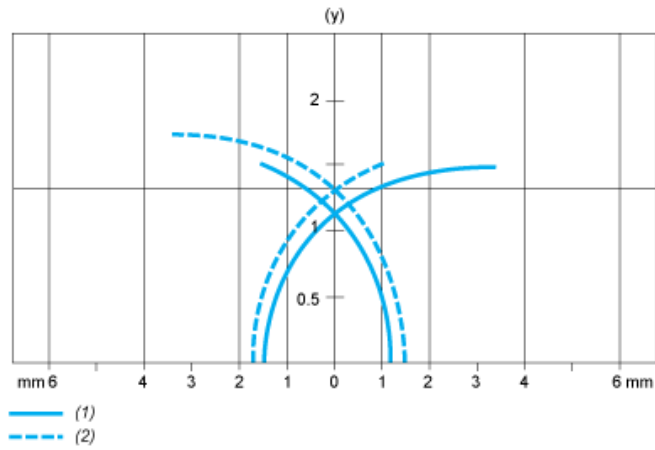
Wiring Schemes



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

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

Recommended replacement(s)

XS1L06NC410L1 is replaced by the following product range:



Inductive and capacitive sensors XS & XT

Inductive and capacitive proximity sensors

Products: 1398