

# Product datasheet

Specifications



inductive sensor XS1 M12 - L49mm  
- brass - Sn4mm - 12..24VDC -  
cable 2m

XS112BHNBL2

## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M12
Size	49 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NC
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

ISO thread	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0...3.2 mm
Differential travel	1...15% of Sr
Output circuit type	DC

<b>Cable composition</b>	3 x 0.14 mm <sup>2</sup>
<b>Wire insulation material</b>	PVC
<b>Status LED</b>	Output state: 1 LED (yellow)
<b>Supply voltage limits</b>	10...36 V DC
<b>Switching frequency</b>	<= 950 Hz
<b>Maximum voltage drop</b>	<2 V (closed)
<b>Current consumption</b>	<= 10 mA no-load
<b>Maximum delay first up</b>	15 ms
<b>Maximum delay response</b>	0.6 ms
<b>Maximum delay recovery</b>	4 ms
<b>Marking</b>	CE
<b>Threaded length</b>	36 mm
<b>Length</b>	49 mm
<b>Net weight</b>	0.07 kg

## Environment

<b>Product certifications</b>	UL CSA
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °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>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	73.0 g
<b>Package 1 Height</b>	2.0 cm
<b>Package 1 width</b>	12.0 cm
<b>Package 1 Length</b>	12.0 cm
<b>Unit Type of Package 2</b>	BAG
<b>Number of Units in Package 2</b>	1
<b>Package 2 Weight</b>	70.0 g
<b>Package 2 Height</b>	2.0 cm
<b>Package 2 width</b>	15.0 cm
<b>Package 2 Length</b>	28.0 cm
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	36
<b>Package 3 Weight</b>	3.142 kg
<b>Package 3 Height</b>	15.0 cm
<b>Package 3 width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

## Contractual warranty

<b>Warranty</b>	18 months
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