

Inductive proximity sensors XS, inductive sensor XS6 Ø 6.5, L51mm, stainless, Sn2.5 mm, 12...48 VDC, cable 2 m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS6
Sensor design	Cylindrical Ø 6.5 mm plain
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 100 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
Sensing range	> 0...2.5 mm
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm <sup>2</sup>
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 3000 Hz DC
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.3 ms
Marking	CE
Threaded length	42 mm
Length	51 mm

## Environment

Product certifications	UL[RETURN]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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	4.1 cm
Package 1 Length	9.4 cm
Package 1 Weight	25 g

## Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	 <a href="#">End of Life Information</a>
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

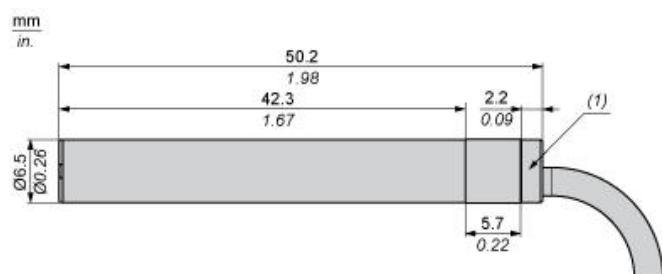
## Contractual warranty

Warranty	18 months
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Dimensions

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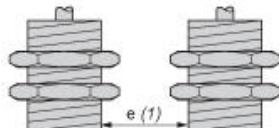
(1) LED

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Minimum Mounting Distances in mm

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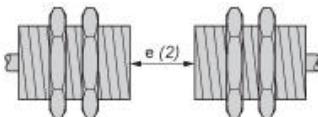
Side by side



e (1) 5 mm/0.20 in.

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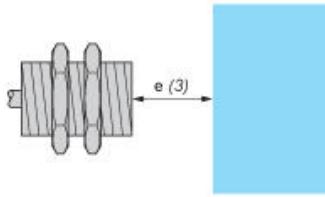
Face to face



e (2) 30 mm/1.18 in.

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Facing a metal object



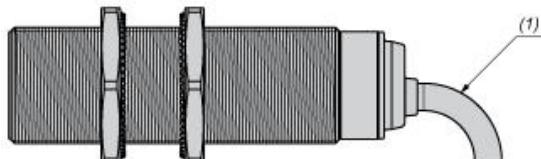
e (3) 8 mm/0.31 in.

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Mounting

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(1) Bending cable: 4 x external cable diameter

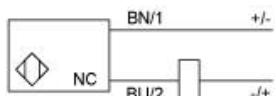
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### Wiring Schemes

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#### 2-Wire Non-polarised

NC output



BU : Blue

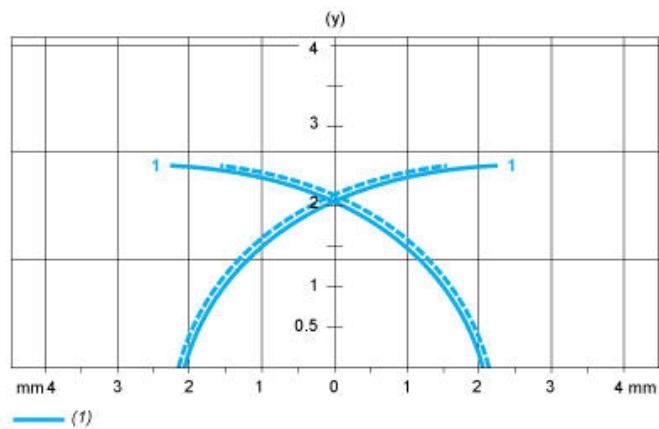
BN : Brown

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Performance Curves

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Standard Steel Target (mm) : 8x8x1



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