

# XS506BSCBL2

Inductive proximity sensors XS, inductive sensor XS5 Ø 6.5, L33mm, stainless, Sn1.5 mm, 12...24 VDC, cable 2 m



## 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	33 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	0.06 in (1.5 mm)
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA DC 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	0.00...0.05 in (0...1.2 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Length	1.30 in (33 mm)
Net Weight	0.08 lb(US) (0.035 kg)

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## Environment

Product Certifications	CSA UL
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

## Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389119045919
Nbr. of units in pkg.	1
Package weight(Lbs)	0.88 oz (25.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.12 in (13 cm)
Package 1 width	1.61 in (4.1 cm)
Package 1 Length	3.70 in (9.4 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	0.88 oz (25.0 g)
Package 2 Height	0.79 in (2 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)

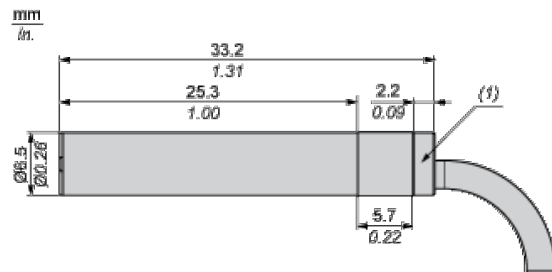
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl 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>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions



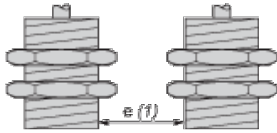
(1) LED

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Minimum Mounting Distances

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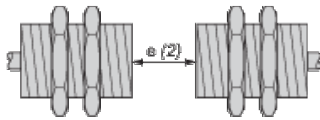
Side by side



e (1) 3 mm/0.12 in.

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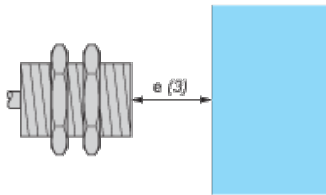
Face to face



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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Mounting

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(1) Bending cable: 4 x external cable diameter

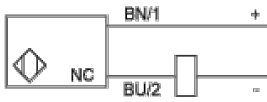
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Wiring Schemes

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2-wire DC Polarised

NC Output



BN : Brown

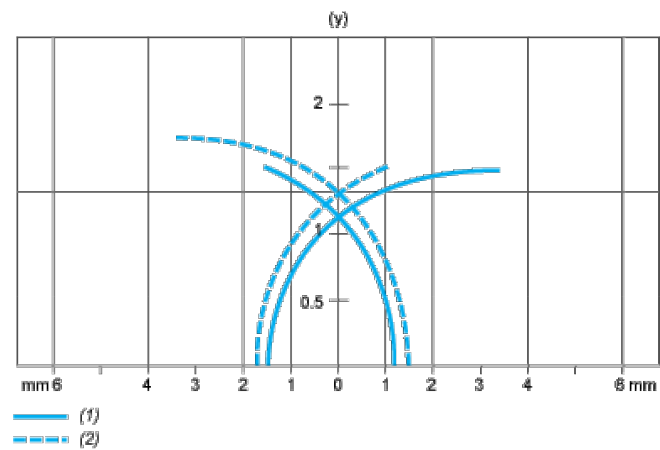
BU : Blue

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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