

# XS606B1DBL2

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	0.10 in (2.5 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...48 V DC reverse polarity protection
Switching capacity in mA	<= 100 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
Sensing range	> 0...0.1 in (> 0...2.5 mm)
Operating zone	0.00...0.08 in (0...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...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	1.65 in (42 mm)
Length	2.01 in (51 mm)

## Environment

Product Certifications	UL CSA
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	3389119045667
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
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)
Package 1 Weight	0.88 oz (25 g)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Height	0.79 in (2 cm)
Package 2 Width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Package 2 Weight	0.88 oz (25 g)

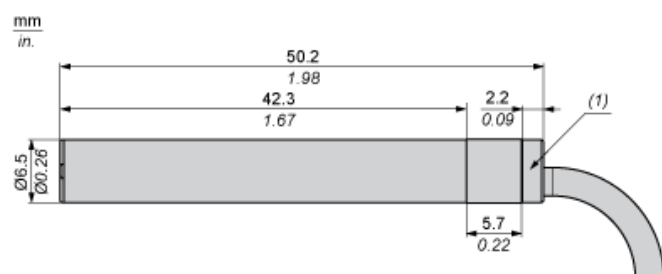
## Offer Sustainability

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
----------	-----------

## Dimensions



---

Minimum Mounting Distances in mm

---

Side by side



e (1) 5 mm/0.20 in.

≥

Face to face



e (2) 30 mm/1.18 in.

≥

Facing a metal object



e (3) 8 mm/0.31 in.

≥

---

Mounting

---

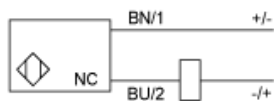


(1) Bending cable: 4 x external cable diameter

## Wiring Schemes

### 2-Wire Non-polarised

NC output



BU : Blue  
BN : Brown

---

Performance Curves

---

Standard Steel Target (mm) : 8x8x1



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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Telemecanique Sensors:](#)

[XS606B1DBL2](#)