

Product data sheet

Characteristics

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 ²
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)

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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)

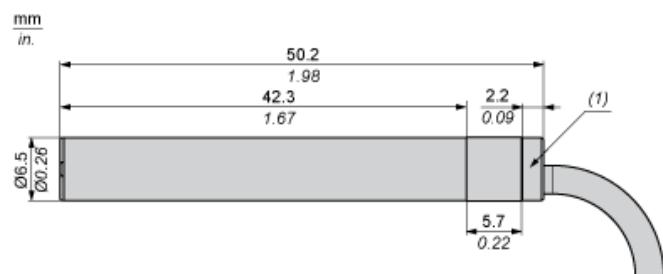
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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 www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information

Contractual warranty

Warranty	18 months
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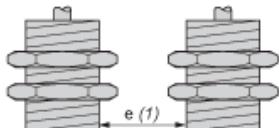
Dimensions



(1) LED

Minimum Mounting Distances in mm

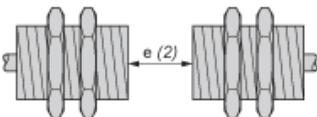
Side by side



$e (1)$ 5 mm/0.20 in.

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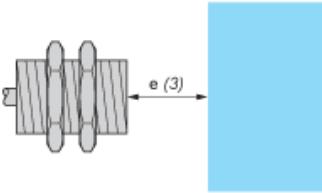
Face to face



$e (2)$ 30 mm/1.18 in.

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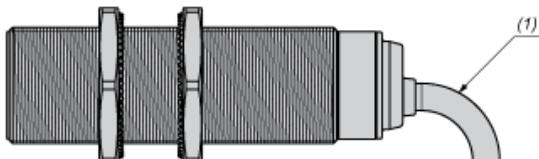
Facing a metal object



$e (3)$ 8 mm/0.31 in.

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Mounting

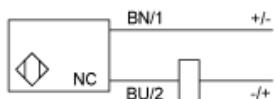


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

NC output

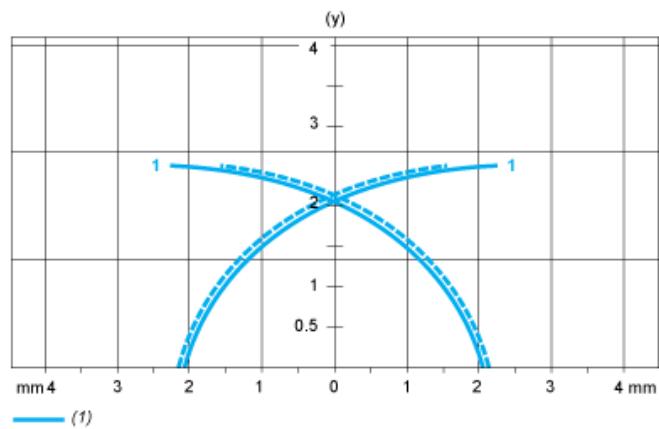


BU : Blue

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

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