

# XS608B1PBL2

inductive sensor XS6 M8 - L51mm - stainless -  
Sn2.5mm - 12..48VDC - cable 2m



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS6
Sensor design	Cylindrical M8
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

## Complementary




Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303

Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	42 mm
Length	51 mm
Product weight	0.035 kg

## Environment

Product certifications	CSA UL
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 (duration = 11 ms) conforming to IEC 60068-2-27

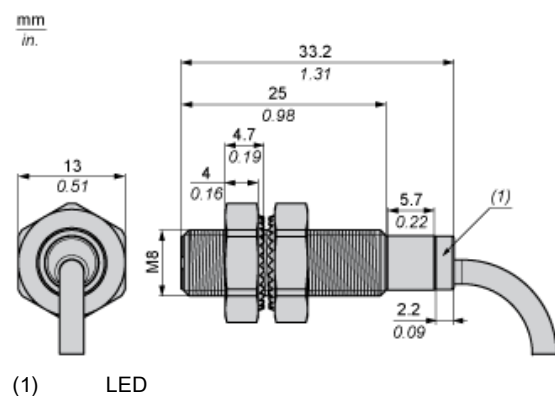
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1010 - Schneider Electric declaration of conformity <a href="#"> Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#"> Product environmental</a>
Product end of life instructions	Available <a href="#"> End of life manual</a>

## Contractual warranty

Warranty period	18 months
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## Dimensions



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Minimum Mounting Distances in mm

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Side by side



$e (1) \geq 5 \text{ mm}/0.20 \text{ in.}$

Face to face



$e (2) \geq 30 \text{ mm}/1.18 \text{ in.}$

Facing a metal object



$e (3) \geq 8 \text{ mm}/0.31 \text{ in.}$

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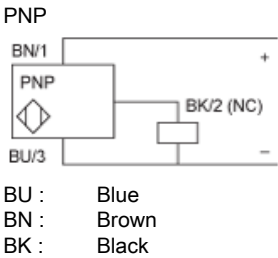
Mounting

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(1) Bending cable: 4 x external cable diameter

Wiring Schemes

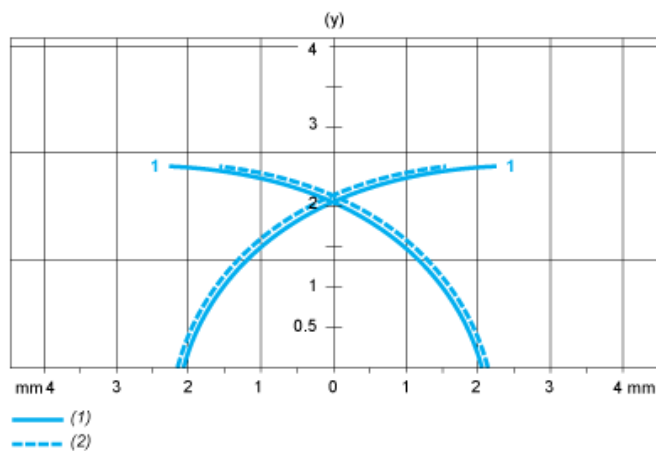


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Performance Curves

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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