Product data sheet
Characteristics

XS508B1DBL10

inductive sensor XS5 M8 - L51mm - stainless - Sn1.5mm - 12..48VDC - cable 10m

Important message: We have updated the process for ordering Telemecanique Sensors products.For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.comYou can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
EAN Code: 3389110129212

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 M8
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	1.5 mm
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Cable
Cable length	10 m
[Us] rated supply voltage	12...48 V DC
Switching capacity in mA	1.5...100 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…1.2 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Maximum residual current	0.5 mA open state
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
Threaded length	42 mm
Length	51 mm
Net weight	0.355 kg

Environment

| Product certifications	UL[RETURN]CSA[RETURN]CCC
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

Contractual warranty

Warranty	18 months

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Dimensions

(1) LED
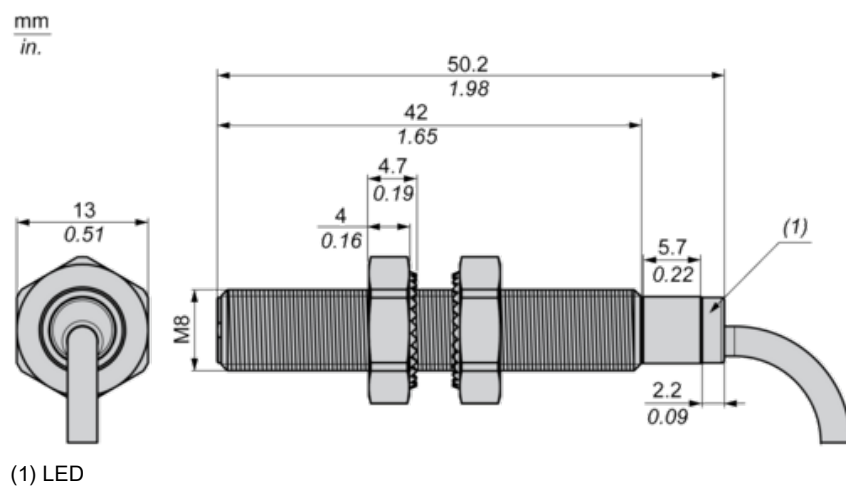
Minimum Mounting Distances

Side by side
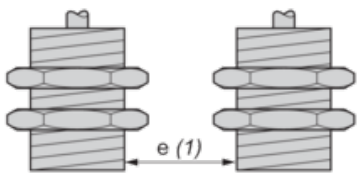
e (1) ≥ 3 mm/0.12 in.
Face to face
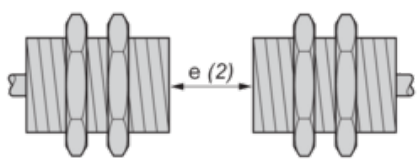
e (2) ≥ 18 mm/0.71 in.
Facing a metal object
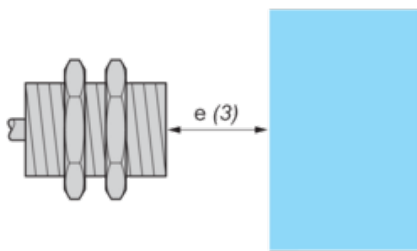
e (3) ≥ 4.5 mm/0.18 in.

Mounting
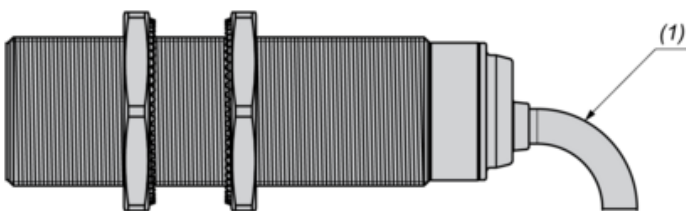
(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

NC output

BU : Blue
BN : Brown

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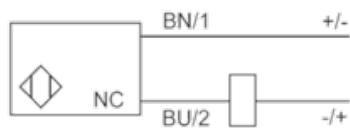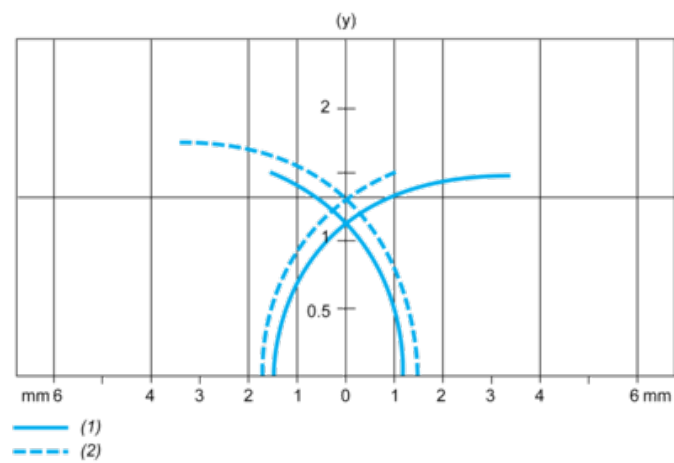
Performance Curves

Standard Steel Target : 8x8x1 mm

(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm