

# Product data sheet

Specifications



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

XS508B1DBL10

⚠ Discontinued

XS508B1DBL10 has not been replaced. Please contact your customer care center for more information.

## 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

<b>Differential travel</b>	1...15% of Sr
<b>Cable composition</b>	2 x 0.11 mm <sup>2</sup>
<b>Wire insulation material</b>	PvR
<b>Status LED</b>	Output state: 1 LED (yellow)
<b>Supply voltage limits</b>	10...58 V DC
<b>Maximum residual current</b>	0.5 mA open state
<b>Switching frequency</b>	<= 4000 Hz
<b>Maximum voltage drop</b>	<4 V (closed)
<b>Maximum delay first up</b>	10 ms
<b>Maximum delay response</b>	0.2 ms
<b>Maximum delay recovery</b>	0.2 ms
<b>Marking</b>	CE
<b>Threaded length</b>	42 mm
<b>Height</b>	8 mm
<b>Length</b>	51 mm
<b>Net weight</b>	0.355 kg

## Environment

<b>Product certifications</b>	UL CSA CCC
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Vibration resistance</b>	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

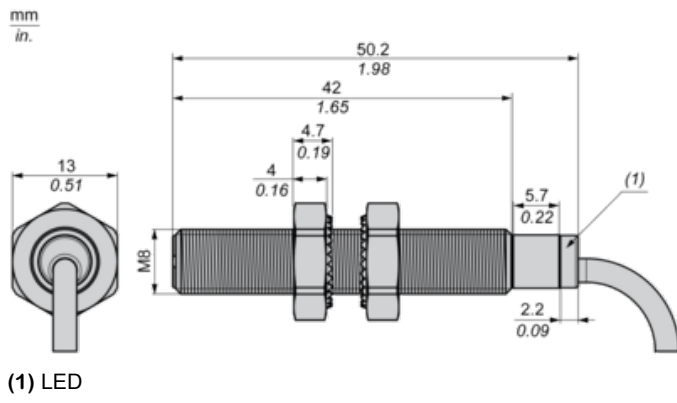
<b>Package 1 Weight</b>	0.235 kg
<b>Package 1 Height</b>	1.470 dm
<b>Package 1 width</b>	0.450 dm
<b>Package 1 Length</b>	0.820 dm

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

Dimensions

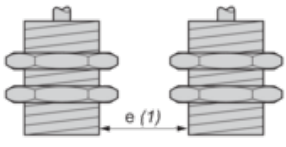
---



**Minimum Mounting Distances**

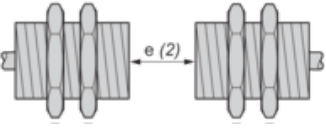
---

Side by side



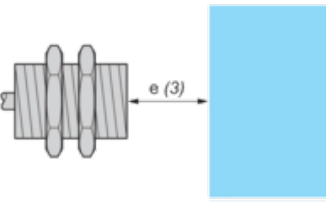
$e (1) \geq 3 \text{ mm}/0.12 \text{ in.}$

Face to face



$e (2) \geq 18 \text{ mm}/0.71 \text{ in.}$

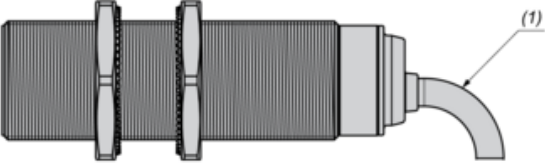
Facing a metal object



$e (3) \geq 4.5 \text{ mm}/0.18 \text{ in.}$

**Mounting**

---



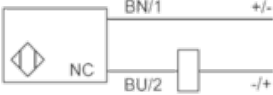
(1) Bending cable: 4 x external cable diameter

**Wiring Schemes**

---

**2-Wire Non-polarised**

NC output



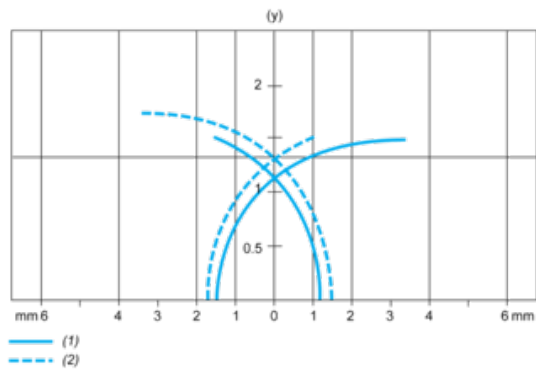
**BU** : Blue

**BN** : Brown

**Performance Curves**

---

**Standard Steel Target : 8x8x1 mm**



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