

# Product data sheet

## Characteristics

# XS508BLNBL5

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



⚠ Discontinued

### Main

Range of product	OsiSense 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	3-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	cable
Cable length	5 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

### 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	3 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	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	42 mm
Height	8 mm
Length	51 mm
Net weight	0.155 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 for 11 ms conforming to IEC 60068-2-27

### Packing Units

Package 1 Weight	0.075 kg
Package 1 Height	1.300 dm
Package 1 width	0.410 dm
Package 1 Length	0.940 dm

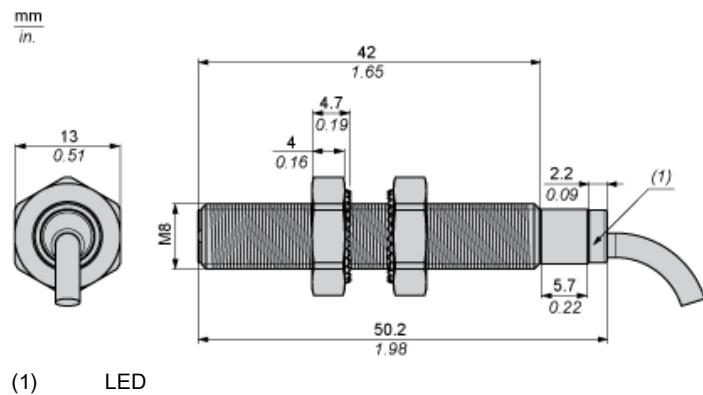
### Contractual warranty

Warranty	18 months
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Dimensions

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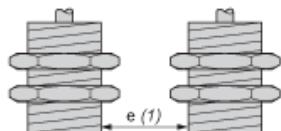


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### Minimum Mounting Distances

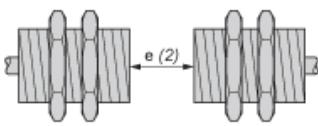
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Side by side



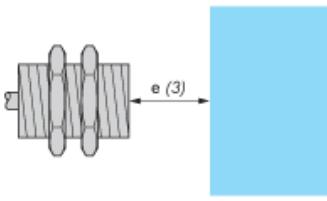
$e (1) \geq 3 \text{ mm/0.12 in.}$

Face to face



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

Facing a metal object



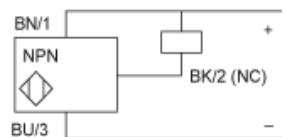
$e (3) \geq 4.5 \text{ mm/0.18 in.}$

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### Wiring Schemes

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NPN



BU : Blue  
BN : Brown  
BK : Black

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Performance Curves

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Standard Steel Target : 8x8x1 mm

