

## XS4P18AB110

inductive sensor XS4 M18 - L41mm - PBT - Sn8mm - 24..48VDC - cable 2m



### Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M18
Size	41 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Analogue
Wiring technique	3-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...48 V DC
IP degree of protection	IP67 conforming to IEC 60529

### Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PBT
Operating zone	0.8...8 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Supply voltage limits	15...58 V DC
Switching frequency	<= 500 Hz
Current consumption	4 mA (no-load)
Output current drift	<= 10 %
Marking	CE
Threaded length	26 mm
Height	18 mm
Length	41 mm
Product weight	0.08 kg

### Environment

product certifications	CCC CSA UL
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The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

ambient air temperature for operation

-25...70 °C

## Offer Sustainability

Sustainable offer status

Green Premium product

RoHS (date code: YYWW)

Compliant - since 0812 - Schneider Electric declaration of conformity

REACH

Reference not containing SVHC above the threshold

Product environmental profile

Available

Product end of life instructions

Available

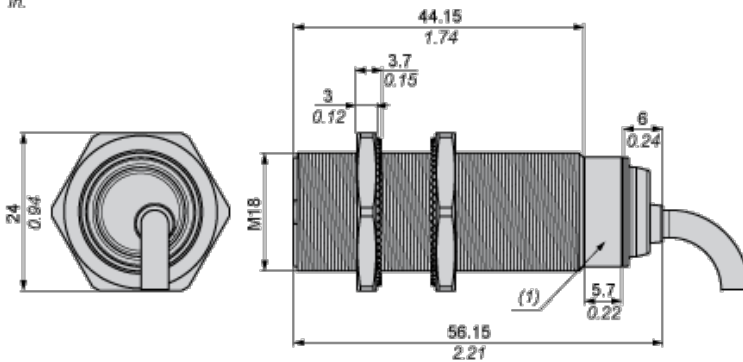
## Contractual warranty

Warranty period

18 months

## Dimensions

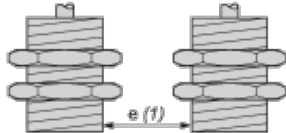
mm  
in.



(1) LED

## Minimum Mounting Distances

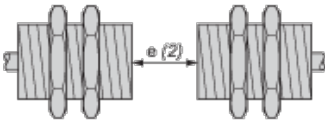
Side by side



e (1) 32 mm/1.26 in.

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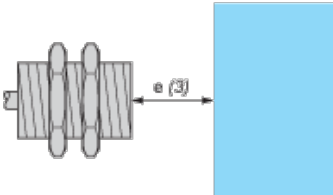
Face to face



e (2) 96 mm/3.78 in.

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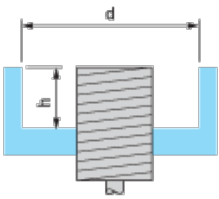
Facing a metal object



e (3) 24 mm/0.94 in.

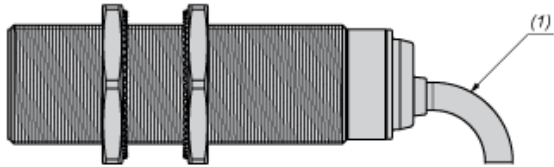
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Mounted in a metal support



$d \geq 56 \text{ mm}/2.20 \text{ in.}$   
 $h \geq 16 \text{ mm}/0.63 \text{ in.}$

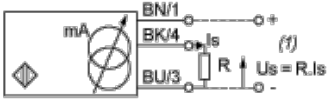
### Mounting



(1) Bending cable: 4 x external cable diameter

### Wiring Schemes

3-Wire connection



(1) Voltage output

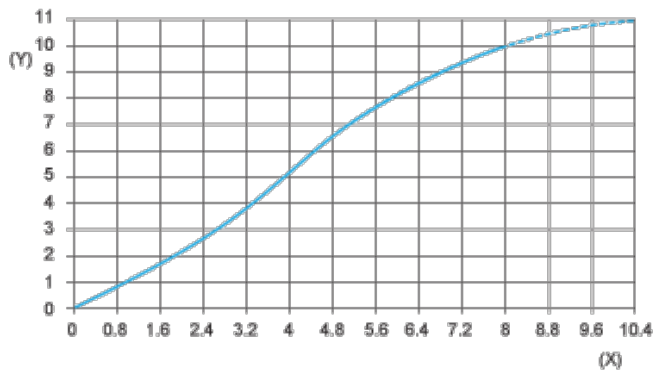
BN : Brown

BK : Black

BU : Blue

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	$R \leq 1500 \Omega$	0...10 V	$R = 1000 \Omega$
48 V	0...10 mA	$R \leq 3300 \Omega$	0...10 V	$R = 1000 \Omega$

### Output Curves



(Y)  $I_s$  (V)

(X) Sensors - object distance (mm)