

XS4P18AB120

inductive sensor XS4 M18 - L41mm - PBT - Sn8mm - 12..24VDC - 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 | 2-wire |
| [Sn] nominal sensing distance | 8 mm |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Analogue output range | 4...20 mA |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...24 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 ² |
| Wire insulation material | PvR |
| Supply voltage limits | 10...38 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

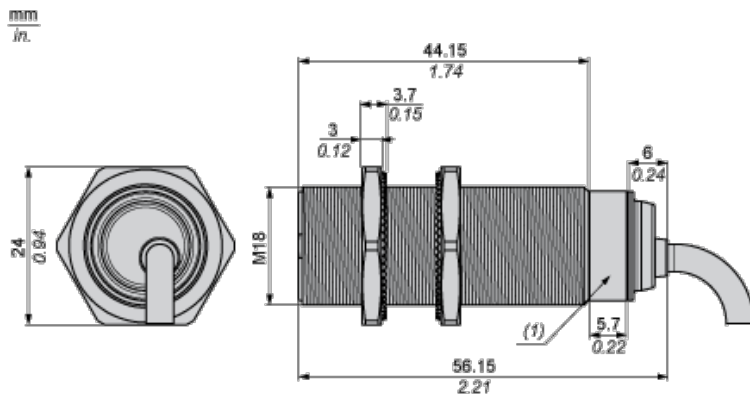
| | |
|------------------------|-----------|
| product certifications | CSA UL |
|------------------------|-----------|

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.

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0811 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

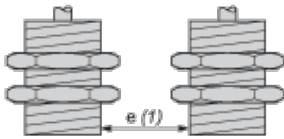
Dimensions



(1) LED

Minimum Mounting Distances

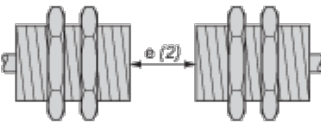
Side by side



e (1) 32 mm/1.26 in.

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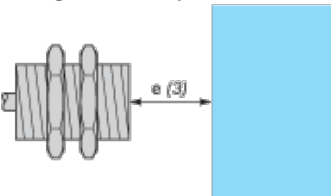
Face to face



e (2) 96 mm/3.78 in.

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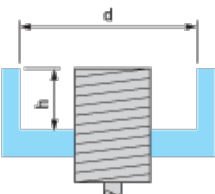
Facing a metal object



e (3) 24 mm/0.94 in.

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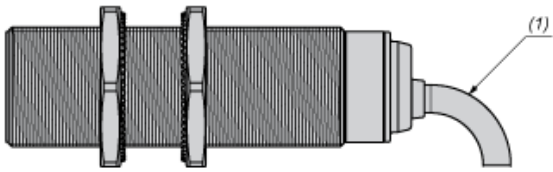
Mounted in a metal support



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

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

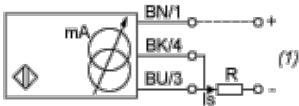
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire connection



(1) Output current

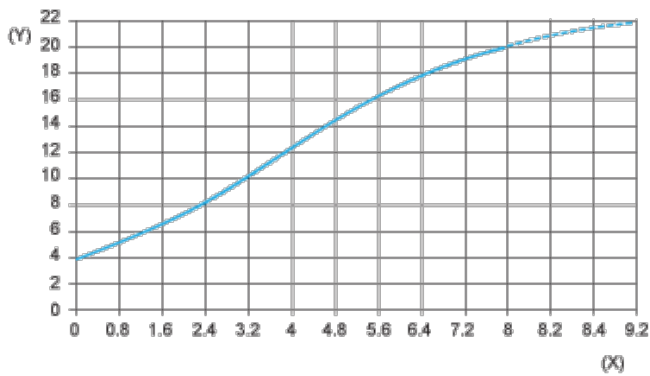
BN : Brown

BK : Black

BU : Blue

| | Output current | Load impedance value |
|------|----------------|----------------------|
| 12 V | 4...20 mA | $R \leq 8.2 \Omega$ |
| 24 V | 4...20 mA | $R \leq 470 \Omega$ |

Output Curves



(Y) I_s (mA)

(X) Sensors - object distance (mm)