

# XS4P30AB110

Inductive proximity sensors XS, inductive sensor XS4 M30, L53mm, PBT, Sn15mm, 24...48 VDC, cable 2 m



## Main

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS |
| Series name                        | Application                                  |
| Sensor type                        | Inductive proximity sensor                   |
| Electrical circuit type            | Analog output                                |
| Sensor name                        | XS4                                          |
| Sensor design                      | Cylindrical M30                              |
| Size                               | 53 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      | 15 mm                                        |
| 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                  | M30 x 1.5                |
| Detection face               | Frontal                  |
| Front material               | PPS                      |
| Enclosure material           | PBT                      |
| Operating zone               | 1.5...15 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          | <= 300 Hz                |
| Current consumption          | 4 mA no-load             |
| Maximum output current drift | 10 %                     |
| Marking                      | CE                       |
| Threaded length              | 32 mm                    |
| Height                       | 30 mm                    |
| Length                       | 53 mm                    |
| Net weight                   | 0.1 kg                   |

## Environment

|                                       |                  |
|---------------------------------------|------------------|
| Product certifications                | CSA<br>UL<br>CCC |
| Ambient air temperature for operation | -25...70 °C      |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 126 g   |
| Package 1 Height             | 4.2 cm  |
| Package 1 width              | 12.7 cm |
| Package 1 Length             | 13 cm   |

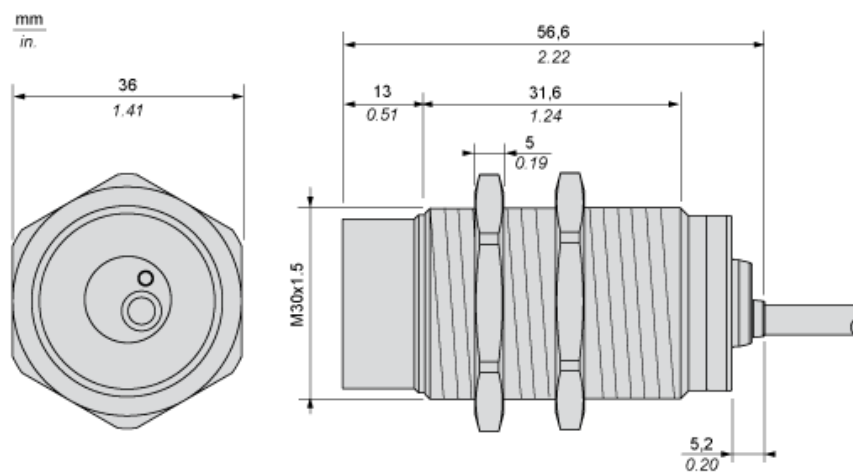
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                              |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                            |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                  |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                        |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



### Minimum Mounting Distances

Side by side



e (1) 60 mm/2.36 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support

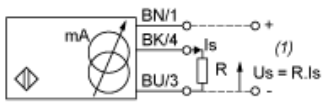


d ≥ 90 mm/3.54 in.

h ≥ 30 mm/1.18 in.

Wiring Schemes

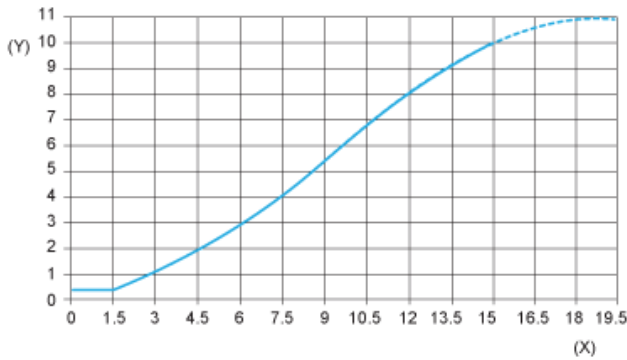
3-Wire connection



(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) Is (mA)  
(X) Sensors - object distance (mm)