

## Product data sheet Characteristics

## XS7J1A1NBL01M8

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - M8 0.15m





#### Main

| ********                           |   |
|------------------------------------|---|
| Range of product                   | Telemecanique Inductive proximity sensors XS            |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -   |
| Sensor name                        | XS7   |
| Sensor design                      | Flat form 8 x 22 x 8                                    |
| Size                               | 8 mm  |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Plastic   |
| Enclosure material                 | PBT   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| Discrete output function           | 1 NC  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | Remote male connector M8, 3 pins                        |
| Cable length                       | 0.15 m  |
| [Us] rated supply voltage          | 1224 V DC with reverse polarity protection              |
| Switching capacity in mA           | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                            |
|                                    |   |

#### Complementary

| Detection face           | Frontal                      |
|--------------------------|------------------------------|
| Front material           | PBT                          |
| Operating zone           | 02 mm                        |
| Differential travel      | 115% of Sr                   |
| Wire insulation material | PVC                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 1036 V DC                    |
| Switching frequency      | <= 2000 Hz                   |
| Maximum voltage drop     | <2 V (closed)                |
| Current consumption      | <= 10 mA no-load             |
| Maximum delay first up   | 5 ms                         |
| Maximum delay response   | 0.1 ms                       |
| Maximum delay recovery   | 0.1 ms                       |
| Marking                  | CE                           |
| Depth                    | 8 mm                         |
| Height                   | 22 mm                        |
| Width                    | 8 mm                         |
| Net weight               | 0.04 kg                      |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or intense 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.

#### Environment

| Product certifications   | C-Tick  |  |
|--|---|--|
| Ambient air temperature for operation  | -2570 °C  |  |
| Ambient air temperature for storage  | -4085 °C  |  |
| /ibration resistance 25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068- |   |  |
| Shock resistance   | ock resistance 50 gn for 11 ms conforming to IEC 60068-2-27 |  |

### Packing Units

| Unit Type of Package 1       | PCE    |  |
|------------------------------|--------|--|
| Number of Units in Package 1 | 1      |  |
| Package 1 Height             | 4.2 cm |  |
| Package 1 Width              | 9.5 cm |  |
| Package 1 Length             | 6.6 cm |  |
| Package 1 Weight             | 27 g   |  |

## Offer Sustainability

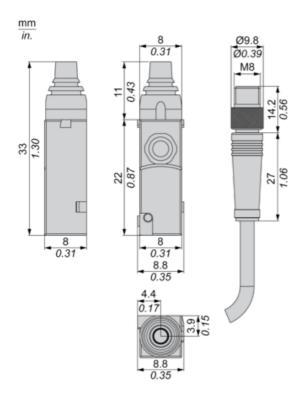
| Sustainable offer status   | Green Premium product   |  |
|----------------------------|---|--|
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) EVEL RoHS  Declaration |  |
| Mercury free               | Yes   |  |
| RoHS exemption information | ₫Yes  |  |

#### Contractual warranty

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

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#### **Dimensions**

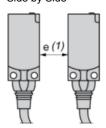


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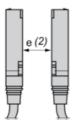
#### Setting-up

#### Minimum Mounting Distances (mm)

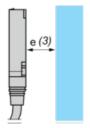
Side by Side



e (1) ≥ 7.5 Face to Face



e (2) ≥ 20 Facing a Metal Object



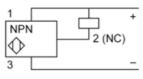
e (3) ≥ 7.5

## Product data sheet Connections and Schema

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### Wiring Schemes

#### NPN



M8

