

# Product data sheet Characteristics

# XS4P08MA230

inductive sensor XS4 M8 - L50mm - PPS - Sn2.5mm - 24..240VAC/DC - cable 2m





#### Main

| Range of product                   | Telemecanique Inductive proximity sensors XS |
|------------------------------------|--|
| Series name                        | General purpose                              |
| Sensor type                        | Inductive proximity sensor                   |
| Sensor name                        | XS4  |
| Sensor design                      | Cylindrical M8                               |
| Size                               | 50 mm  |
| Body type                          | Fixed  |
| Detector flush mounting acceptance | Non flush mountable                          |
| Material                           | Plastic                                      |
| Type of output signal              | Discrete                                     |
| Wiring technique                   | 2-wire                                       |
| [Sn] nominal sensing distance      | 2.5 mm                                       |
| Discrete output function           | 1 NO   |
| Output circuit type                | AC/DC  |
| Electrical connection              | Cable  |
| Cable length                       | 2 m  |
| [Us] rated supply voltage          | 24240 V AC/DC 50/60 Hz                       |
| Switching capacity in mA           | 5100 mA AC/DC                                |
| IP degree of protection            | IP67 conforming to IEC 60529                 |

#### Complementary

| Complementary            |                              |
|--------------------------|------------------------------|
| Thread type              | M8 x 1                       |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | PPS                          |
| Operating zone           | 02 mm                        |
| Differential travel      | 115% of Sr                   |
| Cable composition        | 2 x 0.11 mm²                 |
| Wire insulation material | PVC                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 20264 V AC/DC                |
| Maximum residual current | 0.6 mA open state            |
| Switching frequency      | <= 25 Hz AC                  |
|                          | <= 3000 Hz DC                |
| Maximum voltage drop     | <5.5 V (closed)              |
| Maximum delay first up   | 40 ms                        |
| Maximum delay response   | 0.2 ms                       |
| Maximum delay recovery   | 0.2 ms                       |
| Marking                  | CE                           |
| Threaded length          | 40 mm                        |
|                          |                              |

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 inherence in not to be used for determining suitability or inheability of these products for specific user applications. It is the dourn and resting of the products with respect to the relevant specific application or use thereof. It is the duty of any 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.

| Height | 8 mm  |
|--------|-------|
| Length | 50 mm |

### Environment

| Product certifications                | UL[RETURN]Ecolab[RETURN]CSA[RETURN]CCC                               |
|---------------------------------------|--|
| Ambient air temperature for operation | -2570 °C   |
| Ambient air temperature for storage   | -4085 °C   |
| Vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6 |
| Shock 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             | 2.000 cm  |
| Package 1 Width              | 10.200 cm |
| Package 1 Length             | 11.700 cm |
| Package 1 Weight             | 32.000 g  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 44        |
| Package 2 Height             | 30 cm     |
| Package 2 Width              | 30 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 1.714 kg  |

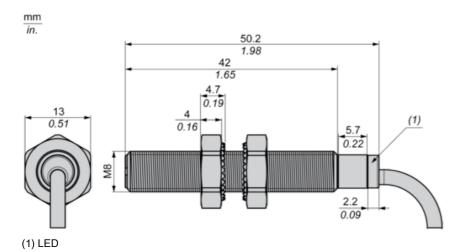
### Offer Sustainability

| Office Oddital dollity     |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product                                      |
| REACh Regulation           |  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free               | Yes  |
| RoHS exemption information | ₫Yes   |
| Circularity Profile        | End Of Life Information                                    |
|                            |  |

## Contractual warranty

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

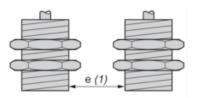
### **Dimensions**



## XS4P08MA230

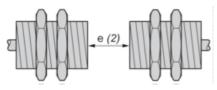
### Minimum Mounting Distances

#### Side by side

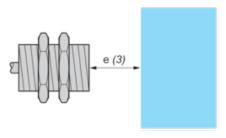


e (1)  $\geq$  10 mm/0.39 in.

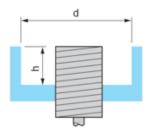
Face to face



e (2) ≥ 30 mm/1.18 in. Facing a metal object

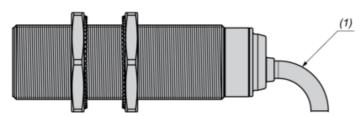


e (3) ≥ 7.5 mm/0.30 in. Mounted in a metal support



 $d \ge 24 \text{ mm/}0.94 \text{ in.}$ h ≥ 5 mm/0.20 in.

### Mounting



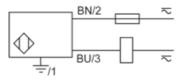
(1) Bending cable: 4 x external cable diameter

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### Wiring Schemes

### 2-Wire AC or DC

NO output



BU : Blue BN : Brown