# Product data sheet
## Characteristics

# XS4P08MA230K

inductive sensor XS4 M8 - L61mm - PPS - Sn2.5mm - 24..240VAC/DC - 1/2"

Green Premium™

## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS4 |
| Sensor design | Cylindrical M8 |
| Size | 61 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 | Male connector 1/2"20 UNF, 3 pins |
| [Us] rated supply voltage | 24...240 V AC/DC 50/60 Hz |
| Switching capacity in mA | 5...100 mA AC/DC |
| IP degree of protection | IP67 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | PPS |
| Operating zone | 0…2 mm |
| Differential travel | 1...15% of Sr |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20…264 V AC/DC |
| Maximum residual current | 0.6 mA open state |
| Switching frequency | <= 25 Hz AC<br><= 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 |
| Height | 15 mm |
| Length | 61 mm |
| Net weight | 0.02 kg |

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## Environment

| | |
|---|---|
| Product certifications | CSA<br>CCC<br>UL<br>Ecolab |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…85 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

## Packing Units

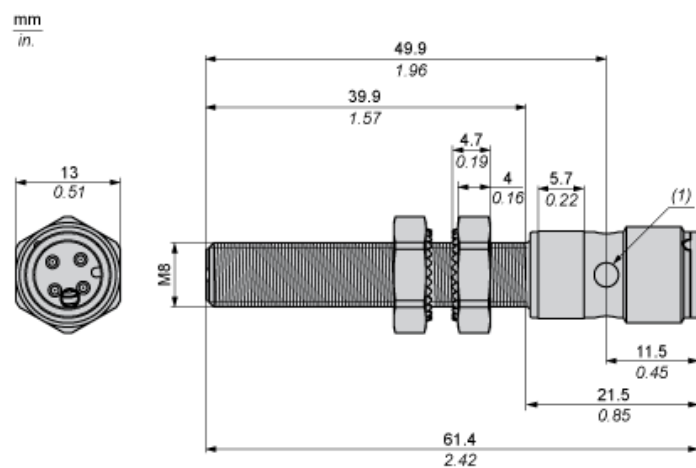| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 24 g |
| Package 1 Height | 4.5 cm |
| Package 1 width | 6.5 cm |
| Package 1 Length | 9.5 cm |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 24 g |
| Package 2 Height | 1.2 cm |
| Package 2 width | 20 cm |
| Package 2 Length | 15 cm |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 22 |
| Package 3 Weight | 753 g |
| Package 3 Height | 15 cm |
| Package 3 width | 15 cm |
| Package 3 Length | 40 cm |

## Offer Sustainability

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

## Contractual warranty

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

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## Dimensions



(1)    LED

## Minimum Mounting Distances

Side by side

e (1)  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 ≥   24 mm/0.94 in.
h ≥   5 mm/0.20 in.

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## Wiring Schemes

1/2"-20UNF

1/2"-20UNF



1 : Grounding
2 : AC
3 : AC

NO output