

XS930S4PAM12

DATASHEET

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Product datasheet

Characteristics

XS930S4PAM12

inductive sensor XS9 M30 - L64mm - full SS 316L
- Sn40 mm - 12...24VDC - M12



Main

| | |
|-------------------------------|------------------------------------------------------|
| Range of product | OsiSense XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | Food and beverage |
| Sensor name | XS9 |
| Sensor design | Cylindrical M30 |
| Size | 64 mm |
| Body type | Single piece body |
| Enclosure material | Stainless steel 316L |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 40 mm |
| Discrete output function | 1 NO |
| Discrete output type | PNP |
| Electrical connection | Male connector M12, 4 pins |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP68 conforming to IEC 60529 IP69K |

Complementary

| | |
|------------------------------------|------------------------------|
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Stainless steel 316L |
| Front material | Stainless steel 316L |
| Operating zone | 0...32 mm |
| Differential travel | 1...15 % of Sr |
| Repeat accuracy | <= 5 % of Sr |
| Output circuit type | DC |
| Status LED | Output state: 1 LED (yellow) |

| | |
|--------------------------|-------------------|
| Supply voltage limits | 10...30 V DC |
| Maximum residual current | 0.1 mA open state |
| Switching frequency | <= 90 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 40 ms |
| Maximum delay response | 0.00006 ms |
| Maximum delay recovery | 0.015 ms |
| Marking | CE |
| Threaded length | 32 mm |
| Height | 30 mm |
| Length | 64 mm |
| Net weight | 0.145 kg |

Environment

| | |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications | Ecolab CULus |
| Ambient air temperature for operation | -25...85 °C |
| Ambient air temperature for storage | -25...85 °C |
| Vibration resistance | 25 gn amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |

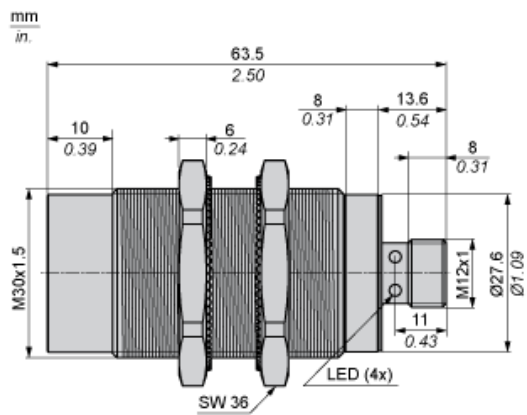
Offer Sustainability

| | |
|----------------------------|---------------------------------------------------------------------------------------------------|
| 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 |

Contractual warranty

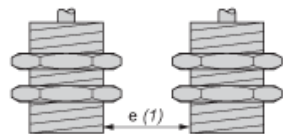
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



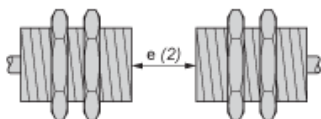
Minimum Mounting Distances in mm

Side by side



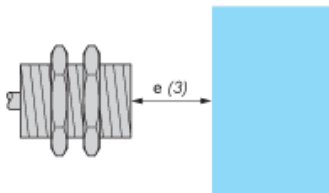
$e (1) \geq 270 \text{ mm}/10.63 \text{ in.}$

Face to face



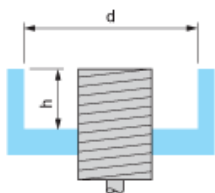
$e (2) \geq 130 \text{ mm}/5.12 \text{ in.}$

Facing a metal object



$e (3) \geq 120 \text{ mm}/4.72 \text{ in.}$

Mounted in a metal support

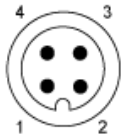


$d \geq 120 \text{ mm}/4.72 \text{ in.}$

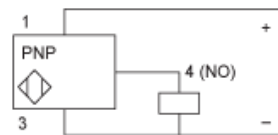
$h \geq 34 \text{ mm}/1.34 \text{ in.}$

Wiring Schemes

M12 connector



PNP



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output