

XS912S4PAM12

inductive sensor XS9 M12 - L60mm - full SS
316L - Sn10 mm - 12..24VDC - M12



Main

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| Range of product | OsiSense XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Product specific application | Food and beverage |
| Sensor name | XS9 |
| Sensor design | Cylindrical M12 |
| Size | 60 mm |
| Body type | Single piece body |
| Enclosure material | Stainless steel 316L |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 10 mm |
| Discrete output function | 1 NO |
| Discrete output type | PNP |
| Electrical connection | 4 pins M12 male connector |
| [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 conforming to DIN 40050 |

Complementary

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| ISO thread | M12 x 1 |
| Detection face | Frontal |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Stainless steel 316L |
| Front material | Stainless steel 316L |
| Operating zone | > 0...8 mm |
| Differential travel | 1...15% of Sr |
| Repeat accuracy | <= 5% of Sr |
| Output circuit type | DC |
| Status LED | 1 LED yellow for output state |
| Supply voltage limits | 10...30 V DC |
| Residual current | <= 0.1 mA for open state |
| Switching frequency | <= 400 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | <= 10 mA at no-load |
| Delay first up | <= 40 ms |
| Delay response | <= 0.00006 ms |
| Delay recovery | <= 0.015 ms |
| Marking | CE |
| Threaded length | 36 mm |
| Length | 60 mm |
| Product weight | 0.023 kg |

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Environment

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| Product certifications | CULus |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -25...70 °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 |