

XU9N18NP341

photo-electric sensor - XU9 - polarised - Sn 2m
- 12..24VDC - cable 2m



Main

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|-------------------------------|--|
| Range of product | OsiSense XU |
| Series name | Application food and beverage |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XU9 |
| Sensor design | Cylindrical M18 |
| Detection system | Polarised reflex |
| Material | Stainless steel |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 2 m |
| Product specific application | - |
| Emission | Red polarised reflex |
| [Sn] nominal sensing distance | 2 m polarised reflex need reflector XUZC50 |

Complementary

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|---------------------------|--|
| Enclosure material | Stainless steel : 304 CU |
| Lens material | PMMA |
| Maximum sensing distance | 3 m |
| Output type | Solid state |
| Add on output | Without |
| Add on input | Programmation |
| Cable composition | 4 x 0.34 mm ² |
| Wire insulation material | PvR |
| Cable outer diameter | 4.2 mm |
| Status LED | 1 LED (green) for supply on 1 LED (yellow) for output state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 500 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | <= 30 mA no-load |
| Maximum delay first up | 15 ms |
| Maximum delay response | 1 ms |
| Maximum delay recovery | 1 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 18 mm |
| Length | 72 mm |
| Net weight | 0.085 kg |
| Kit composition | Sensor Reflector XUZC50 |

Environment

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|---------------------------------------|--|
| Product certifications | UL CSA CE |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 25 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Packing Units

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|------------------|----------|
| Package 1 Weight | 0.166 kg |
| Package 1 Height | 0.450 dm |
| Package 1 width | 0.800 dm |
| Package 1 Length | 1.480 dm |

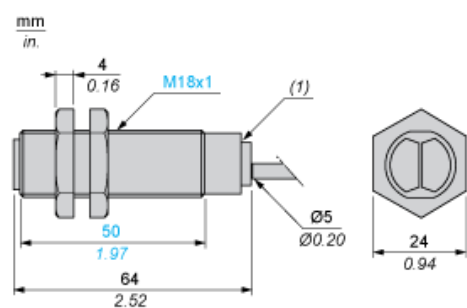
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 |
|----------|-----------|

Dimensions



(1) LED

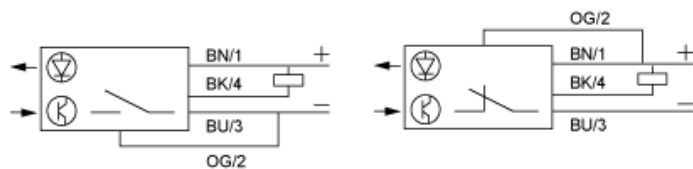
Mounting and Clearance

Fixing nut tightening torque: < 15 N.m

Connector tightening torque: 2 N.m

Wiring Schemes

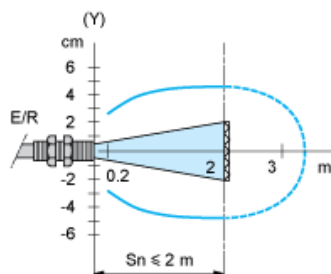
3-wire, NPN NO or NC Programmable Function



BN : Brown
BK : Black (out / output)
BU : Blue
OG : Orange (program)

Detection Curves

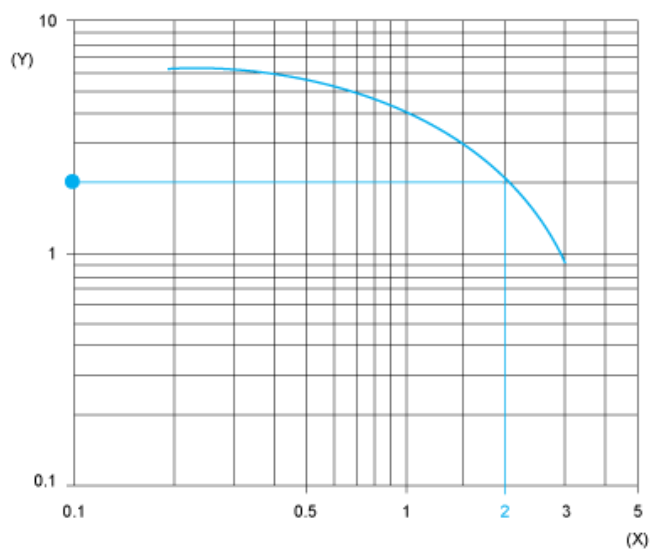
Polarised Reflex System with Reflector XUZC50



(y) Ø of beam

Excess Gain Curves (Ambient Temperature: + 25° C)

Polarised Reflex System with Reflector XUZC50



(y) Gain

(x) Distance (m)