

XU5M18MA230WL5

photo-electric sensor - XU5 - diffuse - 90° - Sn
0.4m - 24..240VAC/DC - cable 5m



Main

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|-------------------------------|-----------------------------|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XU5 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| Material | Metal |
| Line of sight type | 90° lateral |
| Type of output signal | Discrete |
| Supply circuit type | AC/DC |
| Wiring technique | 2-wire |
| Discrete output function | 1 NO |
| Electrical connection | Cable |
| Cable length | 5 m |
| Product specific application | - |
| Emission | Infrared diffuse |
| [Sn] nominal sensing distance | 0.4 m diffuse |



Complementary

| | |
|---------------------------|---|
| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 0.6 m |
| Output type | Solid state |
| Add on output | Without |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 1.5 mA open state |
| Switching capacity in mA | 10...200 mA (to be used with 0.4 A quick-blow fuse in series with the load) |
| Switching frequency | <= 25 Hz |
| Maximum voltage drop | <6 V (closed state) |

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|------------------------|------------------------|
| Maximum delay first up | 300 ms |
| Maximum delay response | 20 ms |
| Maximum delay recovery | 20 ms |
| Setting-up | Sensitivity adjustment |
| Diameter | 18 mm |
| Length | 97 mm |




Environment

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|---------------------------------------|---|
| Product certifications | UL CE CSA |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 7 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 double insulation conforming to IEC 60529 |

Packing Units

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|------------------|----------|
| Package 1 Weight | 0.001 kg |
| Package 1 Height | 0.010 dm |
| Package 1 width | 0.010 dm |
| Package 1 Length | 0.020 dm |

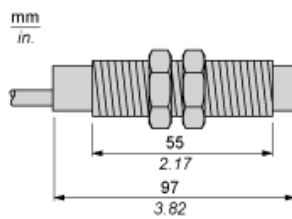
Offer Sustainability

| | |
|--------------------------|---|
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End of Life Information |

Contractual warranty

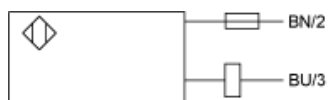
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



Wiring Schemes

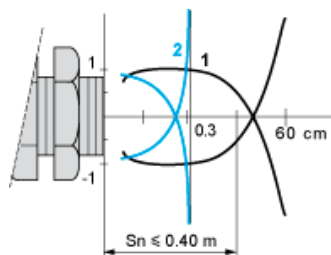
2-wire AC or DC



BU : Blue
BN : Brown

Detection Curves

Diffuse System



1 : White 90%
2 : Grey 18%
Object 10 x 10 cm