



Main

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|-------------------------------|--|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XU8 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse with background suppression |
| 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 | 1 male connector 1/2"20 UNF, 3 pins |
| Product specific application | - |
| Emission | Infrared diffuse with background suppression |
| [Sn] nominal sensing distance | 0.39 ft (0.12 m) diffuse with background suppression |

Complementary

| | |
|---------------------------|---|
| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 0.39 ft (0.12 m) |
| Output type | Solid state |
| Add on output | Without |
| Status LED | 1 LED (yellow) output state |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC/DC |
| 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 |
| Voltage drop | 6 V (closed state) |
| Delay first up | < 300 ms |
| Delay response | < 20 ms |
| Delay recovery | < 20 ms |
| Setting-up | Sensitivity adjustment |
| Diameter | 0.71 in (18 mm) |
| Length | 4.33 in (110 mm) |
| Product weight | 0.17 lb(US) (0.075 kg) |

Environment

| | |
|---------------------------------------|---|
| product certifications | CE CSA UL |
| ambient air temperature for operation | -13...131 °F (-25...55 °C) |
| ambient air temperature for storage | -40...158 °F (-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 conforming to IEC 60529 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

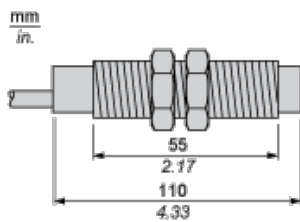
Offer Sustainability

| | |
|--|--|
| Not Green Premium product | Not Green Premium product |
| Compliant - since 0924 - Schneider Electric declaration of conformity | Compliant - since 0924 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

Contractual warranty

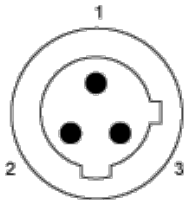
| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



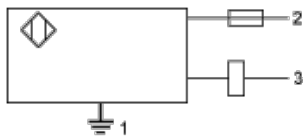
Wiring Schemes

Connector



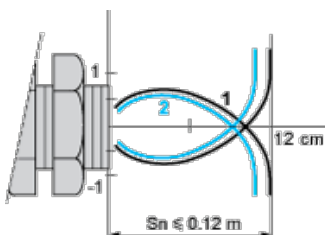
- 1 : Grounding
- 2 : AC/DC
- 3 : AC/DC

2-wire AC or DC



Detection Curves

Diffuse System with Adjustable Background Suppression

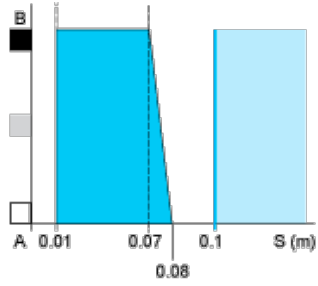


- 1 : White 90%

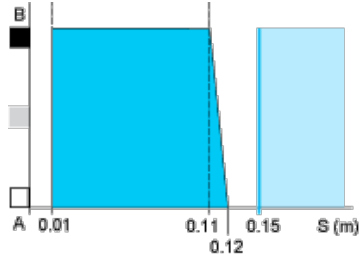
2 : Grey 18%
Object 10 x 10 cm

Variation of Usable Sensing Distance S_u

Potentiometer Set at Minimum



Potentiometer Set at Maximum



- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

A-B :Object reflection coefficient

- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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