



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU   |
| Series name                   | General purpose multimode   |
| Electronic sensor type        | Photo-electric sensor   |
| Sensor name                   | XUB   |
| Sensor design                 | American form   |
| Detection system              | Multimode   |
| Material                      | Plastic   |
| 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         | 1 male connector M12, 4 pins  |
| Product specific application  | -   |
| Emission                      | Infrared diffuse<br>Infrared diffuse with background suppression<br>Infrared thru beam<br>Red polarised reflex  |
| [Sn] nominal sensing distance | 0.39 ft (0.12 m) diffuse with background suppression<br>0.98 ft (0.3 m) diffuse<br>9.84 ft (3 m) polarised reflex need reflector XUZC50<br>20 m thru beam need a transmitter XUN0SKSNM12T |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 0.39 ft (0.12 m) diffuse with background suppression<br>1.31 ft (0.4 m) diffuse<br>98.43 ft (30 m) thru beam<br>14.76 ft (4.5 m) polarised reflex |
| Output type               | Solid state   |
| Add on output             | With alarm output, <= 50 mA with overload and short-circuit protection  |
| Status LED                | 1 LED (green) supply<br>1 LED (red) instability<br>1 LED (yellow) output state  |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection   |
| Supply voltage limits     | 10...36 V DC  |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)   |
| Switching frequency       | <= 250 Hz   |
| Voltage drop              | <= 1.5 V (closed state)   |
| Current consumption       | <= 35 mA (no-load)  |
| Delay first up            | < 200 ms  |
| Delay response            | < 2 ms  |
| Delay recovery            | < 2 ms  |
| Setting-up                | Self-teaching   |
| Diameter                  | 0.71 in (18 mm)   |
| Depth                     | 2.6 in (66 mm)  |
| Height                    | 1.77 in (45 mm)   |
| Width                     | 0.71 in (18 mm)   |

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.

|                |                      |
|----------------|----------------------|
| Product weight | 0.2 lb(US) (0.09 kg) |
|----------------|----------------------|

## Environment

|                                       |   |
|---------------------------------------|---|
| product certifications                | CE<br>CSA<br>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               | IP65 double insulation conforming to IEC 60529                            |

## Offer Sustainability

|  |  |
|--|--|
| 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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