

# XUX5ANBNM12

photo-electric sensor - XUX - diffuse - Sn 2.1m  
- 12..24VDC - M12



## Main

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Range of product                               | OsiSense XU                                      |
| Series name                                    | Optimum                                          |
| Specific application of photoelectric detector | Object                                           |
| Sensor name                                    | XUX                                              |
| Sensor design                                  | Compact                                          |
| Material                                       | Plastic                                          |
| Detection system                               | Diffuse                                          |
| Emission                                       | Infrared diffuse                                 |
| [Sn] nominal sensing distance                  | 2.1 m diffuse                                    |
| Wiring technique                               | 3 wires                                          |
| Type of output signal                          | Discrete                                         |
| Discrete output function                       | 1 NC                                             |
| Discrete output type                           | NPN                                              |
| Add on output                                  | Without                                          |
| Electrical connection                          | 1 male connector M12 4 pins                      |
| [Us] rated supply voltage                      | 12...24 V DC with reverse polarity protection    |
| Switching capacity in mA                       | ≤ 100 mA , overload and short-circuit protection |

## Complementary

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Electronic sensor type   | Photo-electric sensor                                       |
| Enclosure material       | PBT                                                         |
| Lens material            | PMMA                                                        |
| Maximum sensing distance | 3 m diffuse                                                 |
| Output type              | Solid state                                                 |
| Status LED               | 1 LED (yellow) for output state<br>1 LED (green) for supply |
| Supply circuit type      | DC                                                          |
| Supply voltage limits    | 10...36 V DC                                                |
| Switching frequency      | ≤ 250 Hz                                                    |
| Voltage drop             | ≤ 1.5 V (closed state)                                      |
| Current consumption      | ≤ 35 mA at no-load                                          |
| Delay first up           | < 15 ms                                                     |
| Delay response           | < 2 ms                                                      |
| Delay recovery           | < 2 ms                                                      |
| Setting-up               | Sensitivity adjustment                                      |
| Depth                    | 30 mm                                                       |
| Height                   | 92 mm                                                       |
| Width                    | 77 mm                                                       |
| Product weight           | 0.2 kg                                                      |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the Schneider Electric group. It 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.

## Environment

|                                       |                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------|
| Product certifications                | CE<br>CSA<br>UL                                                                                  |
| 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               | IP65 double insulation conforming to IEC 60529<br>IP67 double insulation conforming to IEC 60529 |
| RoHS EUR conformity date              | 4Q2009                                                                                           |
| RoHS EUR status                       | Will be compliant                                                                                |