

# XUB0APSNL2

photoelectric sensor - universal - Sn 0..15 m -  
NO or NC - cable 2m



## Main

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Range of product                               | OsiSense XU                                                                                                    |
| Series name                                    | Universal                                                                                                      |
| Specific application of photoelectric detector | Object                                                                                                         |
| Sensor name                                    | XUB                                                                                                            |
| Sensor design                                  | M18                                                                                                            |
| Material                                       | Plastic                                                                                                        |
| Detection system                               | Diffuse<br>Diffuse with background suppression<br>Polarised reflex<br>Thru beam                                |
| Emission                                       | Infrared diffuse<br>Infrared diffuse with background suppression<br>Infrared thru beam<br>Red polarised reflex |
| Line of sight type                             | Axial                                                                                                          |
| [Sn] nominal sensing distance                  | 0,12 m diffuse with background suppression<br>0,3 m diffuse<br>2 m polarised reflex<br>15 m thru beam          |
| Wiring technique                               | 3 wires                                                                                                        |
| Type of output signal                          | Discrete                                                                                                       |
| Discrete output function                       | 1 NO or 1 NC programmable                                                                                      |
| Discrete output type                           | PNP                                                                                                            |
| Add on output                                  | Without                                                                                                        |
| Electrical connection                          | Cable                                                                                                          |
| Cable length                                   | 2 m                                                                                                            |
| Wire insulation material                       | PvR                                                                                                            |
| [Us] rated supply voltage                      | 12...24 V DC reverse polarity protection                                                                       |
| Switching capacity in mA                       | ≤ 100 mA overload and short-circuit protection                                                                 |
| Diameter                                       | 18 mm                                                                                                          |

## Complementary

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| Electronic sensor type   | Photo-electric sensor                                                                                 |
| Enclosure material       | PBT                                                                                                   |
| Lens material            | PMMA                                                                                                  |
| Maximum sensing distance | 0,12 m diffuse with background suppression<br>0,4 m diffuse<br>3 m polarised reflex<br>20 m thru beam |
| Output type              | Solid state                                                                                           |
| Status LED               | 1 LED yellow output state<br>1 LED green supply<br>1 LED red instability                              |
| 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 no-load                                                                                         |
| Delay first up           | < 200 ms                                                                                              |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

|                |               |
|----------------|---------------|
| Delay response | < 2 ms        |
| Delay recovery | < 2 ms        |
| Setting-up     | Self-teaching |
| Length         | 64 mm         |
| Product weight | 0,095 kg      |

## 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 +/- 1.5 mm 10...55 Hz IEC 60068-2-6                             |
| Shock resistance                      | 30 gn 11 ms IEC 60068-2-27                                           |
| IP degree of protection               | IP65 double insulation IEC 60529<br>IP67 double insulation IEC 60529 |
| RoHS EUR conformity date              | 0814                                                                 |
| RoHS EUR status                       | Compliant                                                            |