



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU   |
| Series name                   | General purpose multimode   |
| Electronic sensor type        | Photo-electric sensor   |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18   |
| Detection system              | Multimode   |
| [Sd] sensing range            | > 0...20 m depending of accessory used  |
| Material                      | Metal   |
| Line of sight type            | 90° lateral   |
| Type of output signal         | Discrete  |
| Supply circuit type           | DC  |
| Wiring technique              | 3-wire  |
| Discrete output type          | PNP   |
| Discrete output function      | 1 NO or 1 NC programmable   |
| Electrical connection         | Cable   |
| Cable length                  | 2 m   |
| Product specific application  | -   |
| Emission                      | Red polarised reflex<br>Infrared thru beam<br>Infrared diffuse with background suppression<br>Infrared diffuse  |
| [Sn] nominal sensing distance | 7 m thru beam need a transmitter XUB0BKSWL2T<br>1.5 m polarised reflex need reflector XUZC50<br>0.2 m diffuse<br>0.11 m diffuse with background suppression |

### Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | Nickel plated brass   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 10 m thru beam<br>0.3 m diffuse<br>0.11 m diffuse with background suppression<br>2 m polarised reflex |
| Output type               | Solid state   |
| Add on output             | Without   |
| Wire insulation material  | PvR   |
| Status LED                | 1 LED (yellow) for output state<br>1 LED (red) for instability<br>1 LED (green) for supply            |
| [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                  | 18 mm   |

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.

|                |         |
|----------------|---------|
| Length         | 78 mm   |
| Product weight | 0.11 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, 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<br>IP65 double insulation conforming to IEC 60529 |

## Offer Sustainability

|                                 |  |
|---------------------------------|--|
| Sustainable offer status        | Not Green Premium product  |
| RoHS                            | Compliant - since 0847 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a> |
| Product environmental profile   | Available <a href="#">Download Product Environmental</a>   |
| Product end of life instruction | Available <a href="#">Download End Of Life Manual</a>  |