



## Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | OsiSense XU                      |
| Series name                   | General purpose single mode      |
| Electronic sensor type        | Photo-electric sensor            |
| Sensor name                   | XUB                              |
| Sensor design                 | Cylindrical M18                  |
| Detection system              | Reflex                           |
| Material                      | Metal                            |
| Line of sight type            | Axial                            |
| Type of output signal         | Discrete                         |
| Supply circuit type           | DC                               |
| Wiring technique              | 3-wire                           |
| Discrete output type          | NPN                              |
| Discrete output function      | 1 NO                             |
| Electrical connection         | 1 male connector M12, 4 pins     |
| Product specific application  | -                                |
| Emission                      | Infrared reflex                  |
| [Sn] nominal sensing distance | 4 m reflex need reflector XUZC50 |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | Nickel plated brass                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 5.5 m reflex                                      |
| Output type               | Solid state                                       |
| Add on output             | Without                                           |
| Wire insulation material  | PvR                                               |
| Status LED                | 1 LED (yellow) for output state                   |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection          |
| Supply voltage limits     | 10...36 V DC                                      |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection) |
| Switching frequency       | <= 500 Hz                                         |
| Voltage drop              | 1.5 V (closed state)                              |

|                     |                                |
|---------------------|--------------------------------|
| Current consumption | 35 mA (no-load)                |
| Delay first up      | < 15 ms                        |
| Delay response      | < 1 ms                         |
| Delay recovery      | < 1 ms                         |
| Setting-up          | Without sensitivity adjustment |
| Diameter            | 18 mm                          |
| Length              | 62 mm                          |
| Product weight      | 0.05 kg                        |

## Environment

|                                       |                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | CSA<br>CE<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<br>IP69K double insulation conforming to DIN 40050 |

## Offer Sustainability

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW) | Compliant - since 0903 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                  | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |

## Contractual warranty

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