

# XUB0BNSNL2

photo-electric sensor - XUB - multi - Sn 0..20m  
- 12..24VDC - cable 2m



## Main

|                               |                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Commercial Status             | Commercialised                                                                                                                                             |
| 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                                                                                                                                                  |
| 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 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 | 20 m thru beam need a transmitter XUB0BNSNL2T<br>3 m polarised reflex need reflector XUZC50<br>0.3 m diffuse<br>0.12 m diffuse with background suppression |

## Complementary

|                           |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| Enclosure material        | Nickel plated brass                                                                                     |
| Lens material             | PMMA                                                                                                    |
| Maximum sensing distance  | 4.5 m polarised reflex<br>30 m thru beam<br>0.4 m diffuse<br>0.12 m diffuse with background suppression |
| 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         |
| Length         | 64 mm         |
| Product weight | 0.105 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         | Green Premium product                                                                                                                      |
| RoHS                             | Compliant - since 0821 - <a href="#">Schneider Electric declaration of conformity</a>                                                      |
| REACH                            | Reference not containing SVHC above the threshold                                                                                          |
| Product environmental profile    | Available  <a href="#">Download Product Environmental</a> |
| Product end of life instructions | Available  <a href="#">Download End Of Life Manual</a>    |