

# XUB9BPBNM12

photo-electric sensor - XUB - polarised - Sn 2m  
- 12..24VDC - M12



## 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                  | Polarised reflex                           |
| [Sd] sensing range                | > 1...5 m                                  |
| Material                          | Metal                                      |
| Line of sight type                | Axial                                      |
| Type of output signal             | Discrete                                   |
| Supply circuit type               | DC                                         |
| Wiring technique                  | 3-wire                                     |
| Discrete output type              | PNP                                        |
| Discrete output function          | 1 NC                                       |
| Product specific appli-<br>cation | -                                          |
| Emission                          | Red polarised reflex                       |
| [Sn] nominal sensing<br>distance  | 2 m polarised reflex need reflector XUZC50 |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | Nickel plated brass                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 3 m polarised reflex                              |
| Output type               | Solid state                                       |
| Add on output             | Without                                           |
| Status LED                | 1 LED (yellow) for output state                   |
| [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       | <= 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                                           |

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## 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 |
| RoHS EUR status                       | Compliant                                                                                        |
| RoHS EUR conformity date              | 0901                                                                                             |