

## XUB9BPAWM12

photo-electric sensor - XUB - polarised - 90° - 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                           |
| 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                                       |
| Electrical connection         | 1 male connector M12, 4 pins               |
| Product specific application  | -                                          |
| Emission                      | Red polarised reflex                       |
| [Sn] nominal sensing 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                                           |
| Wire insulation material  | PvR                                               |
| 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                    | 48 mm                                             |
| Product weight            | 0.05 kg                                           |

### Environment

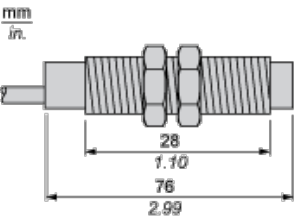
|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| product certifications                | CE<br>CSA<br>UL                                                           |
| 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 | 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

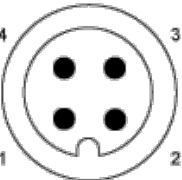
|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                             |
| RoHS (date code: YYWW)   | Compliant - since 0901 - Schneider Electric declaration of conformity |
| REACH                    | Reference not containing SVHC above the threshold                     |

Dimensions



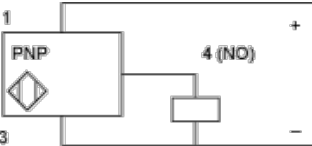
Wiring Schemes

M12 Connector

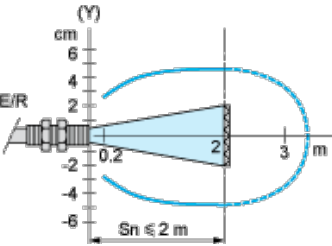


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP Outputs



Detection Curves



(Y) Ø of beam  
With reflector XUZC50