

# XUB1BPBWM12

photo-electric sensor - XUB - reflex - 90° - Sn  
4m - 12..24VDC - M12

Product availability: Non-Stock - Not normally stocked in distribution facility



## 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            | 90° lateral                                 |
| Type of output signal         | Discrete                                    |
| Supply circuit type           | DC                                          |
| Wiring technique              | 3-wire                                      |
| Discrete output type          | PNP                                         |
| Discrete output function      | 1 NC                                        |
| Electrical connection         | 1 male connector M12, 4 pins                |
| Product specific application  | -                                           |
| Emission                      | Infrared reflex                             |
| [Sn] nominal sensing distance | 13.12 ft (4 m) reflex need reflector XUZC50 |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | Nickel plated brass                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 18.04 ft (5.5 m) reflex                           |
| Output type               | Solid state                                       |
| Add on output             | Without                                           |
| Wire insulation material  | PvR                                               |
| Status LED                | 1 LED (yellow) 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                  | 0.71 in (18 mm)                                   |
| Length                    | 1.81 in (46 mm)                                   |
| Product weight            | 0.11 lb(US) (0.05 kg)                             |

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## Environment

|                                       |                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | CE<br>CSA<br>UL                                                                                                                                     |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)                                                                                                                          |
| Ambient air temperature for storage   | -40...158 °F (-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 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22415 - SENSORS, PHOTOELECTRIC, BASIC |
| Discount Schedule     | DS2                                   |
| GTIN                  | 00785901466215                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.12                                  |
| Returnability         | N                                     |
| Country of origin     | FR                                    |

## Offer Sustainability

|                            |                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)     | Compliant - since 0903 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH                      | Reference not containing SVHC above the threshold                                                                                                                                                      |
| California proposition 65  | WARNING: This product can expose you to chemicals including:                                                                                                                                           |
| - - - - - Substance 1      | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                                                                                            |
| - - - - - Substance 2      | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.                                                                             |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                                                                                          |

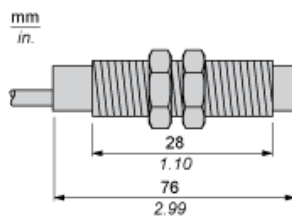
## Contractual warranty

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

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Dimensions

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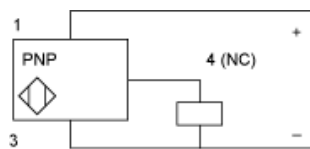
## Wiring Schemes

### M12 Connector



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

### PNP Outputs



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Detection Curves

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With reflector XU50

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