

# Product data sheet

## Characteristics

# XUB4BPBWM12

Photoelectric sensors XU, XUB, diffuse, 90°, Sn  
0.1 m, 12...24 VDC, M12



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

Price\*: 89.40 USD



### Main

|                               |  |
|-------------------------------|--|
| Range of Product              | Telemecanique Photoelectric sensors XU |
| Series name                   | General purpose single mode            |
| Electronic sensor type        | Photo-electric sensor                  |
| Sensor name                   | XUB                                    |
| Sensor design                 | Cylindrical M18                        |
| Detection system              | Diffuse                                |
| 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 diffuse                       |
| [Sn] nominal sensing distance | 0.33 Ft (0.1 m) diffuse                |

### Complementary

|                           |  |
|---------------------------|--|
| Enclosure Material        | Nickel Plated Brass                              |
| Lens material             | PMMA   |
| Maximum sensing distance  | 0.49 Ft (0.15 m) diffuse                         |
| 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 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              |
| Maximum voltage drop   | <1.5 V closed state)   |
| Current consumption    | 35 mA no-load          |
| Maximum delay first up | 15 Ms                  |
| Maximum delay response | 1 Ms                   |
| Maximum delay recovery | 1 Ms                   |
| Setting-up             | Sensitivity adjustment |
| Diameter               | 0.71 In (18 mm)        |
| Length                 | 2.44 In (62 mm)        |
| Net Weight             | 0.11 Lb(US) (0.05 kg)  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | CE<br>UL<br>CSA   |
| 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 +/- 1.5 mm 10...55 Hz) IEC 60068-2-6   |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27   |
| IP degree of protection               | IP67 double insulation IEC 60529<br>IP65 double insulation IEC 60529<br>IP69K double insulation DIN 40050 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22415 - SENSORS, PHOTOELECTRIC, BASIC |
| Discount Schedule     | DS2                                   |
| GTIN                  | 03389110156096                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 1.94 Oz (55 g)                        |
| Returnability         | No                                    |
| Country of origin     | FR                                    |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 2.56 In (6.5 cm) |
| Package 1 width        | 3.74 In (9.5 cm) |
| Package 1 Length       | 1.65 In (4.2 cm) |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>   |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | <a href="#">End Of Life Information</a>  |

## Contractual warranty

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

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Dimensions



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## Wiring Schemes

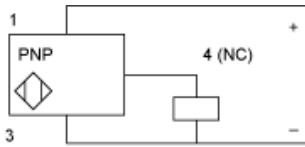
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### M12 Connector

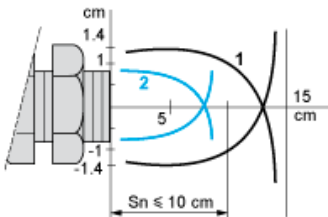


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

### PNP Outputs



Detection Curves



1 : White 90%  
2 : Grey 18%  
Object 10 x 10 cm

Product Life Status : Commercialised