

# Product data sheet

Specifications



Photoelectric sensors XU, XUB, diffuse, 90°, Sn 0.6 m, 12...24 VDC, cable 2 m

XUB5BPAWL2

## 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               | —                                      |

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| 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                 | 18 mm                                             |
| Length                   | 92 mm                                             |

## Environment

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

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 4.2 cm   |
| Package 1 Width              | 9.7 cm   |
| Package 1 Length             | 13.2 cm  |
| Package 1 Weight             | 123.0 g  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 22       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 3.161 kg |

## Offer Sustainability

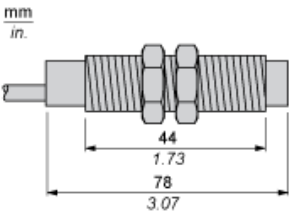
|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><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>                                                           |

|                           |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Di-isodecyl 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> |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Contractual warranty

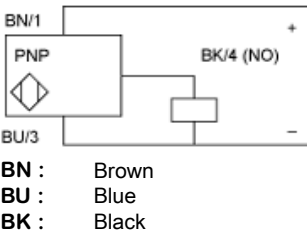
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions

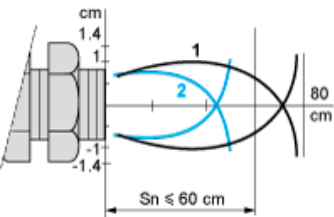


Wiring Schemes

PNP Outputs



Detection Curves



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

Recommended replacement(s)