

# XUB2APBWL2R

Photoelectric sensors XU, XUB, receiver, 90°,  
Sn 15 m, 12...24 VDC, cable 2 m



## Main

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU        |
| Series name                   | General purpose single mode                   |
| Electronic sensor type        | Photo-electric sensor receiver                |
| Sensor name                   | XUB                                           |
| Sensor design                 | Cylindrical M18                               |
| Detection system              | Thru beam                                     |
| Material                      | Plastic                                       |
| 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         | Cable                                         |
| Cable length                  | 2 m                                           |
| Product specific application  | -                                             |
| Emission                      | Infrared thru beam                            |
| [Sn] nominal sensing distance | 15 m thru beam need a transmitter XUB2AKSWL2T |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | PBT                                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 20 m thru beam                                    |
| 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                                         |
| 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                | Without sensitivity adjustment                    |
| Diameter                  | 18 mm                                             |
| Length                    | 62 mm                                             |

## Environment

|                                       |                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------|
| Product certifications                | CE[RETURN]CSA[RETURN]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 |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 4.2 cm  |
| Package 1 Width              | 9.6 cm  |
| Package 1 Length             | 13.2 cm |
| Package 1 Weight             | 94 g    |
| Unit Type of Package 2       | S01     |
| Number of Units in Package 2 | 5       |
| Package 2 Height             | 15 cm   |
| Package 2 Width              | 15 cm   |
| Package 2 Length             | 40 cm   |
| Package 2 Weight             | 695 g   |

## 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 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

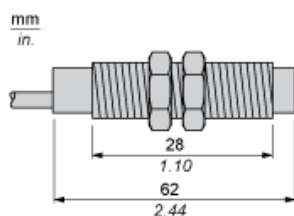
## Contractual warranty

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

---

Dimensions

---

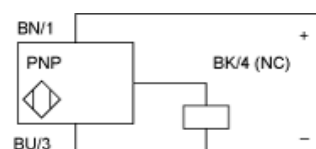


---

## Wiring Schemes

---

### PNP Outputs



BN : Brown  
BU : Blue  
BK : Black

---

Detection Curves

---

