

# XUB2BPXWM12

Photoelectric sensors XU, Photo electric sensor, Cylindrical, Metal, Angled, Thru-beam, System, Smax 30m, PNP, Connector M12



## 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              | Thru beam                              |
| Material                      | Metal                                  |
| Line of sight type            | 90° lateral                            |
| Type of output signal         | Discrete                               |
| Supply circuit type           | DC                                     |
| Wiring technique              | 4 wires                                |
| Discrete output type          | PNP                                    |
| Discrete output function      | 1 NO or 1 NC programmable              |
| Electrical connection         | 1 male connector M12, 4 pins           |
| Emission                      | Red LED thru beam                      |
| [Sn] nominal sensing distance | 12 m thru beam                         |

## Complementary

|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Enclosure material        | PC/PBT                                                                                                                          |
| Lens material             | PMMA                                                                                                                            |
| Maximum sensing distance  | 17 m thru beam                                                                                                                  |
| Output type               | Discrete                                                                                                                        |
| Status LED                | 1 LED (green) for transmitter/supply on<br>1 LED (green) for receiver/supply on/stability<br>1 LED (orange) for receiver/output |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection                                                                                   |
| Supply voltage limits     | 10...30 V DC                                                                                                                    |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)                                                                               |
| Switching frequency       | <= 1000 Hz                                                                                                                      |
| Maximum voltage drop      | <2 V (closed state)no-load                                                                                                      |
| Current consumption       | < 20 mA no load                                                                                                                 |
| Maximum delay first up    | 100 ms                                                                                                                          |
| Maximum delay response    | 0.5 ms                                                                                                                          |
| Maximum delay recovery    | 0.5 ms                                                                                                                          |
| Setting-up                | Sensitivity by potentiometer                                                                                                    |
| Diameter                  | 18 mm                                                                                                                           |
| Length                    | 55.2 mm                                                                                                                         |
| Net weight                | 0.080 kg                                                                                                                        |
| Kit composition           | Transmitter XUB2BKXWM12T + receiver XUB2BPXWM12R                                                                                |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------|
| Product certifications                | CE[RETURN]cULus[RETURN]UKCA[RETURN]RoHS                                                         |
| Ambient air temperature for operation | -30...55 °C                                                                                     |
| Ambient air temperature for storage   | -40...70 °C                                                                                     |
| Relative humidity                     | 35...95 %                                                                                       |
| Immunity to ambient light             | 40000 Lux sunlight<br>10000 lux incandescent light                                              |
| Vibration resistance                  | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz)for every axis conforming to IEC 60068-2-6         |
| Shock resistance                      | 30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27                        |
| IP degree of protection               | IP67 conforming to IEC 60529<br>IP65 conforming to IEC 60529<br>IP69K conforming to DIN 40050-9 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 1.8 cm   |
| Package 1 Width              | 1.6 cm   |
| Package 1 Length             | 4.4 cm   |
| Package 1 Weight             | 40 g     |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 48       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 2.235 kg |
| Unit Type of Package 3       | P06      |
| Number of Units in Package 3 | 768      |
| Package 3 Height             | 70 cm    |
| Package 3 Width              | 60 cm    |
| Package 3 Length             | 80 cm    |
| Package 3 Weight             | 44.26 kg |

## Contractual warranty

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