

# XUB9BPYWM12

Photoelectric sensors XU, photo electric sensor, cylindrical, metal, angled, polarised, Smax 5.5 m, IO-link, 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              | Polarised reflex                           |
| 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/NPN autodetect<br>IOLINK               |
| Discrete output function      | 1 NO or 1 NC programmable                  |
| Electrical connection         | 1 male connector M12, 4 pins               |
| Emission                      | Red LED polarised reflex                   |
| [Sn] nominal sensing distance | 4 m polarised reflex need reflector XUZC50 |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure material        | PC/PBT   |
| Lens material             | PMMA   |
| Maximum sensing distance  | 4 m polarised reflex   |
| Output type               | Discrete   |
| Status LED                | 1 LED (green) for supply on/stability<br>1 LED (orange) for output state |
| [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    | 300 ms   |
| Maximum delay response    | 0.5 ms   |
| Maximum delay recovery    | 0.5 ms   |
| Setting-up                | Sensitivity by potentiometer<br>Sensitivity by IO-Link                   |
| Diameter                  | 18 mm  |
| Length                    | 55.2 mm  |
| Net weight                | 0.060 kg   |

## 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 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 |
|----------|-----------|