

# XUB8APXWL2

Photoelectric sensors XU, Photo electric Sensor, Cylindrical, Plastic, Angled, Diffuse BGS, Smax 0.2 m, PNP, Cable 2m



## 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 with background suppression         |
| Material                      | Plastic                                     |
| 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         | Cable                                       |
| Cable length                  | 2 m                                         |
| Emission                      | Red LED diffuse with background suppression |
| [Sn] nominal sensing distance | 0.15 m diffuse with background suppression  |

## Complementary

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| Enclosure material        | PC/PBT                                                                   |
| Lens material             | PMMA                                                                     |
| Maximum sensing distance  | 0.15 m diffuse with background suppression                               |
| Output type               | Discrete                                                                 |
| Wire insulation material  | PVC                                                                      |
| 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                                             |
| Diameter                  | 18 mm                                                                    |
| Length                    | 55.2 mm                                                                  |
| Net weight                | 0.090 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                             |

## 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             | 90 g    |

## Contractual warranty

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