# Product data sheet
## Characteristics

# XUVR0605PBNM8
photo-electric sensor - XUV - fork - 50X60mm - 12..24VDC - M8

## Main

| | |
|---|---|
| Range of product | OsiSense XU |
| Series name | General purpose |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUVR |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Red LED, modulated |
| Passage width | 50 mm |
| Passage depth | 60 mm |
| Material | Metal/plastic |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NC |
| Electrical connection | 1 male connector M8, 3 pins |
| Product specific application | Detection on small conveyor |
| [Sn] nominal sensing distance | 50 mm |

## Complementary

| | |
|---|---|
| Enclosure material | Painted aluminium and polyamide/glass |
| Spot diameter | 0.8 mm |
| Type of output signal | Discrete |
| Output type | Solid state |
| Status LED | Output state: 1 LED (yellow) |
| [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 | 4000 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | < 20 mA no-load |
| Net weight | 0.19 kg |

## Environment

| | |
|---|---|
| Product certifications | CE<br>CSA<br>UL |
| Ambient air temperature for operation | -10…60 °C |
| Ambient air temperature for storage | -40…80 °C |
| Immunity to ambient light | 10000 Lux natural light<br>5000 lux incandescent bulb |
| Vibration resistance | 7 gn, amplitude = +/- 0.75 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<br>IP67 |

## Packing Units

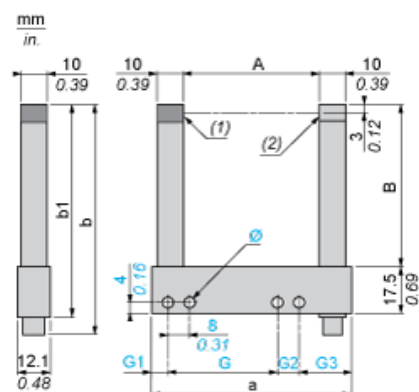| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 72 g |
| Package 1 Height | 1.6 cm |
| Package 1 width | 13.2 cm |
| Package 1 Length | 16.5 cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 618 g |
| Package 2 Height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 Length | 40 cm |

## Offer Sustainability

| | |
|---|---|
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

## Contractual warranty

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

Telemecanique
Sensors

# XUVR0605PBNM8

## Dimensions



(1)    Transmission LED
(2)    Yellow LED: output signal

Dimensions in mm

| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | ∅ |
|---|---|---|---|---|---|---|---|---|---|
| 50 | 60 | 74 | 85.7 | 77.5 | 40 | 6.5 | 8 | 19.5 | 4 x 4.3 |

Dimensions in in.

| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | ∅ |
|---|---|---|---|---|---|---|---|---|---|
| 1.97 | 2.36 | 2.91 | 3.37 | 3.05 | 1.57 | 0.26 | 0.31 | 0.77 | 0.16 x 0.17 |

## Wiring Schemes

### M8 Connector



1 :     BN: Brown
3 :     BU: Blue
4 :     BK: Black

### PNP Output

Telemecanique
Sensors