

# XUVR0608PBNM8

photo-electric sensor - XUV - fork - 80X60mm - 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                 | 80 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 | 80 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                | UL<br>CSA<br>CE                                                            |
| 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             | 90 g     |
| Package 1 Height             | 1.7 cm   |
| Package 1 width              | 13.2 cm  |
| Package 1 Length             | 16.6 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 15       |
| Package 2 Weight             | 1.639 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

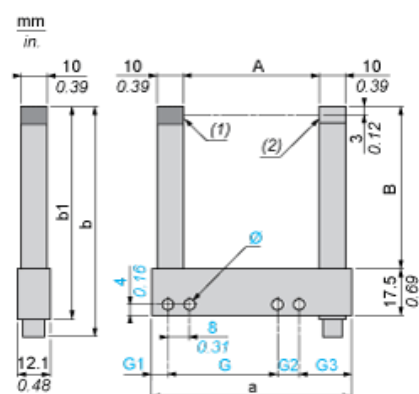
## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#"> REACH Declaration</a>                                                                |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#"> EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                |
| RoHS exemption information | <a href="#"> Yes</a>                                                                              |

## Contractual warranty

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

## Dimensions



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

Dimensions in mm

| Passageway A | Depth B | a   | b    | b1   | G  | G1  | G2 | G3   | Ø       |
|--------------|---------|-----|------|------|----|-----|----|------|---------|
| 80           | 60      | 104 | 85.7 | 77.5 | 70 | 6.5 | 8  | 19.5 | 4 x 4.3 |

Dimensions in in.

| Passageway A | Depth B | a    | b    | b1   | G    | G1   | G2   | G3   | Ø           |
|--------------|---------|------|------|------|------|------|------|------|-------------|
| 3.15         | 2.36    | 4.09 | 3.37 | 3.05 | 2.76 | 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

