

# XUVE04M3PSNM8

Photoelectric sensors XU, photoelec sensor  
label fork 40x3, 12...24 V DC, PNP NO/NC  
connect M8



## Main

|                               |                                        |
|-------------------------------|----------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU |
| Series name                   | Application packaging                  |
| Electronic sensor type        | Photo-electric sensor                  |
| Sensor name                   | XUV                                    |
| Sensor design                 | Fork                                   |
| Detection system              | Thru beam                              |
| Emission                      | Infrared                               |
| Type of setting               | With                                   |
| Passage width                 | 3 mm                                   |
| Passage depth                 | 40 mm                                  |
| Material                      | PA (polyamide) 12                      |
| Supply circuit type           | DC                                     |
| Wiring technique              | 4-wire                                 |
| Discrete output type          | PNP                                    |
| Discrete output function      | 1 NO or 1 NC programmable              |
| Electrical connection         | 1 male connector M8, 4 pins            |
| Product specific application  | Detection of labels                    |
| [Sn] nominal sensing distance | 3 mm thru beam                         |

## Complementary

|                                 |                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------|
| Setting-up                      | Numeric potentiometer                                                           |
| Enclosure material              | Polyamide                                                                       |
| Lens material                   | PC                                                                              |
| Accuracy                        | +/- 0.05 mm at 150 m/min                                                        |
| Minimum label length            | 2 mm                                                                            |
| Minimum distance between labels | 2 mm                                                                            |
| Maximum passing speed of object | 200 m/min                                                                       |
| Type of output signal           | Discrete                                                                        |
| Output type                     | Solid state                                                                     |
| Status LED                      | Output state: 1 LED (yellow)<br>Adjustment mode and keypad locking: 1 LED (red) |
| [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             | <= 10 kHz                                                                       |
| Maximum voltage drop            | <2 V (closed state)                                                             |
| Maximum delay first up          | 30 ms                                                                           |
| Maximum delay response          | 0.1 ms                                                                          |
| Maximum delay recovery          | 0.1 ms                                                                          |
| Depth                           | 64 mm                                                                           |
| Height                          | 25 mm                                                                           |
| Width                           | 10 mm                                                                           |
| Net weight                      | 0.035 kg                                                                        |

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## Environment

|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| Product certifications                | cULus[RETURN]CE                                                           |
| Ambient air temperature for operation | -20...60 °C                                                               |
| Ambient air temperature for storage   | -30...80 °C                                                               |
| Vibration resistance                  | 7 gn, amplitude = +/- 1.5 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 conforming to IEC 60529                                              |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.200 cm  |
| Package 1 Width              | 6.200 cm  |
| Package 1 Length             | 8.200 cm  |
| Package 1 Weight             | 34.000 g  |
| Unit Type of Package 2       | S01       |
| Number of Units in Package 2 | 24        |
| Package 2 Height             | 15 cm     |
| Package 2 Width              | 15 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 990.000 g |

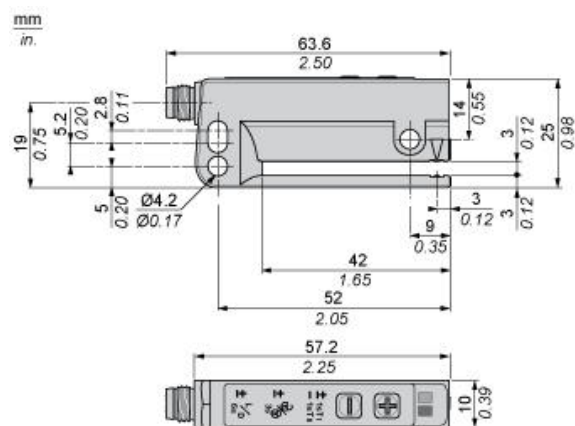
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

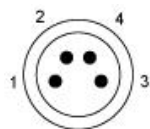
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



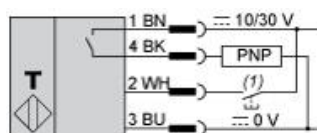
## Wiring Schemes

### Connector



- 1 : BN: Brown
- 2 : WH: White (remote teaching)
- 3 : BU: Blue
- 4 : BK: Black)

### PNP Function



- (1) Remote teaching