

# XUVF30M8

photo-electric sensor - XUV - frame -  
30X30mm - 12..24VDC - M8



## Main

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Range of product                      | OsiSense XU                             |
| Series name                           | Application material handling           |
| Electronic sensor type                | Photo-electric sensor                   |
| Sensor name                           | XUV                                     |
| Sensor design                         | Frame                                   |
| Detection system                      | Thru beam                               |
| Emission                              | Infrared                                |
| Way dimensions of optical frame       | 30 x 30 mm                              |
| Material                              | Metal                                   |
| Supply circuit type                   | DC                                      |
| Wiring technique                      | 4-wire                                  |
| Discrete output type                  | PNP or NPN                              |
| Discrete output function              | 1 NO or 1 NC programmable               |
| Electrical connection                 | M8 1 male connector, 4 pins             |
| Product specific application          | Dynamic detection of passage of objects |
| Minimum object diameter for detection | Dynamic mode : 2 mm (0.1...15 m/s)      |

## Complementary

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Enclosure material        | Painted aluminium                                       |
| Lens material             | Polycarbonate                                           |
| Type of output signal     | Discrete                                                |
| Output type               | Solid state                                             |
| Add on output             | With alarm output                                       |
| Status LED                | 1 LED (red) for alarm<br>1 LED (amber) for output state |
| [Us] rated supply voltage | 24 V DC with reverse polarity protection                |
| Supply voltage limits     | 18...30 V DC                                            |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)       |
| Switching frequency       | <= 500 Hz                                               |
| Voltage drop              | < 2 V (closed state)                                    |
| Current consumption       | <= 120 mA (no-load)                                     |
| Time delay range          | 0...5 s off-delay delay                                 |
| Delay first up            | <= 100 ms                                               |
| Delay recovery            | < 1 ms                                                  |
| Setting-up                | Sensitivity adjustment with potentiometer               |
| Depth                     | 15 mm                                                   |
| Height                    | 50 mm                                                   |
| Width                     | 108 mm                                                  |
| Product weight            | 0.08 kg                                                 |

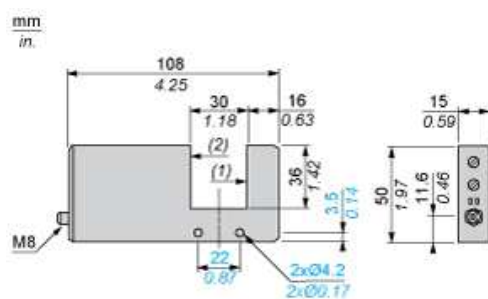
## Environment

|                                       |                                                                          |
|---------------------------------------|--------------------------------------------------------------------------|
| Product certifications                | CE<br>CULus                                                              |
| Ambient air temperature for operation | 0...60 °C                                                                |
| Ambient air temperature for storage   | -20...80 °C                                                              |
| Immunity to ambient light             | <= 400 lux with incandescent light<br><= 4000 lux with sunlight          |
| Vibration resistance                  | 25 gn, amplitude = +/- 2 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                                             |

## Offer Sustainability

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                                             |
| RoHS (date code: YYWW)   | Compliant - since 0724 - <a href="#">Schneider Electric declaration of conformity</a> |

## Dimensions



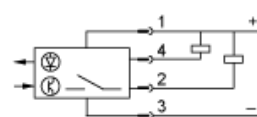
- (1) Transmitting face
- (2) Reception face

## Wiring Schemes (4-Wire DC)

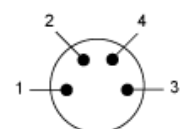
### PNP Output



### NPN Output



### Connector Scheme



- 1: +
- 2: Alarm
- 3: -
- 4: Output