# XUVF30M8

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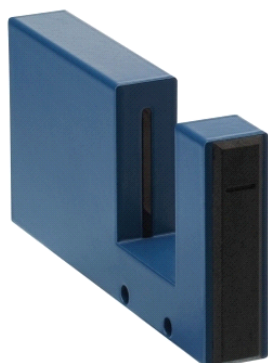
## Main

| | |
|---|---|
| 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 |

Schneider Electric

| 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 |

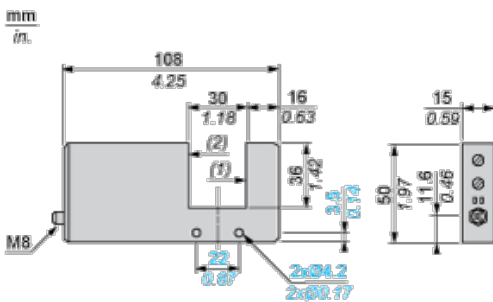## Offer Sustainability

| Sustainable offer status | Not Green Premium product |
|---|---|
| RoHS (date code: YYWW) | Compliant - since 0724 - Schneider Electric declaration of conformity |

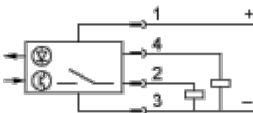### Contractual warranty

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

## Dimensions



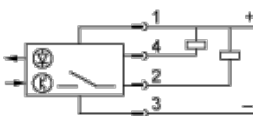**(1)** Transmitting face

**(2)** Reception face

## Wiring Schemes (4-Wire DC)

**PNP Output**



**NPN Output**



**Connector Scheme**



**1 :** +

**2 :** Alarm

**3 :** -

**4 :** Output