# *Product datasheet*
## *Characteristics*

# XUVH0312

## Main

| | |
|---|---|
| Range of product | OsiSense XU |
| Series name | Application material handling |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUV |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Infrared |
| Passage width | 1.18 in (30 mm) |
| Passage depth | 1.57 in (40 mm) |
| Material | Plastic |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| Product specific application | Detection of flags in lifts/transtockers |
| [Sn] nominal sensing distance | 1.18 in (30 mm) |

## Complementary

| | |
|---|---|
| Enclosure material | ABS/PC |
| Lens material | PMMA |
| Type of output signal | Discrete |
| Output type | Solid state |
| Output function governance | Dark |
| Cable composition | 3 x 0.34 mm² |
| Wire insulation material | PvR |
| Cable outer diameter | 0.2 in (5 mm) |
| Status LED | 1 LED (red) output state |
| [Us] rated supply voltage | 24 V DC with reverse polarity protection |
| Supply voltage limits | 19...38 V DC |
| Switching capacity in mA | <= 150 mA (overload and short-circuit protection) |
| Switching frequency | <= 1 kHz |
| Voltage drop | <= 1.5 V (closed state) |
| Current consumption | <= 20 mA (no-load) |
| Delay first up | <= 30 ms |
| Delay response | 0.5 ms |
| Delay recovery | 0.5 ms |
| Setting-up | Without sensitivity adjustment |
| Depth | 2.68 in (68 mm) |
| Height | 2.32 in (59 mm) |
| Width | 0.55 in (14 mm) |
| Product weight | 0.29 lb(US) (0.13 kg) |

## Environment

| | |
|---|---|
| product certifications | CE |
| ambient air temperature for operation | 23...131 °F (-5...55 °C) |

| | |
|---|---|
| ambient air temperature for storage | -4...158 °F (-20...70 °C) |
| vibration resistance | 7 gn, amplitude = +/- 1 mm (f = 10...42 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP54 conforming to IEC 60529 |

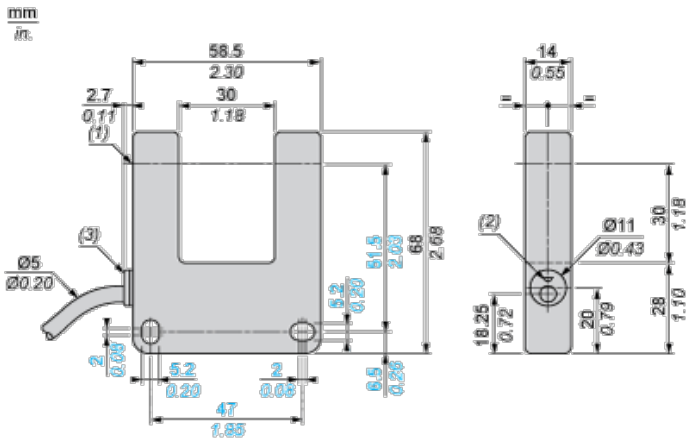
## Offer Sustainability

| | |
|---|---|
| Not Green Premium product | Not Green Premium product |
| Compliant - since 0931 - Schneider Electric declaration of conformity | Compliant - since 0931 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | 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. | 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 www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

## Contractual warranty

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

## Dimensions




**(1)** Optical axis

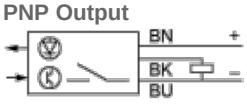
**(2)** Red LED

**(3)** Diffuser

## Wiring Schemes (3-Wire DC)

### NO Function

**PNP Output**




**BN :** Brown

**BK :** Black

**BU :** Blue

## Detection Curve

mm
in.