



### 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	60 x 60 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	1 male connector M8, 4 pins
Product specific application	Dynamic detection of passage of objects
Minimum object diameter for detection	Dynamic mode 0.08 in (2 mm) 0.33...49.21 ft/s (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	Alarm 1 LED red) Output state 1 LED amber)
[Us] rated supply voltage	24 V DC 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
Maximum voltage drop	<2 V closed state)

Current consumption	<= 120 mA no-load
Time delay range	0...5 s off-delay
Maximum delay first up	100 ms
Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	0.59 in (15 mm)
Height	3.39 in (86 mm)
Width	5.16 in (131 mm)

## Environment

Product certifications	CE CULus
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	400 lux incandescent light 4000 lux sunlight
Vibration resistance	25 gn +/- 2 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	6.91 oz (196 g)
Package 1 Height	1.89 in (4.8 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	4.41 in (11.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	5.75 lb(US) (2.608 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

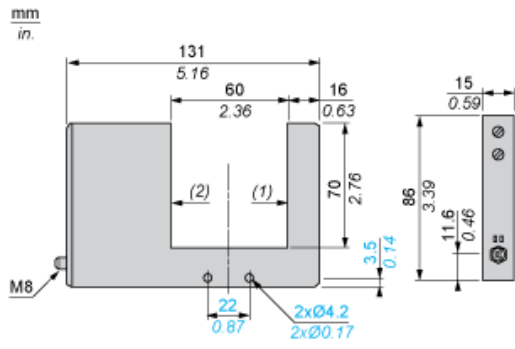
## Offer Sustainability

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
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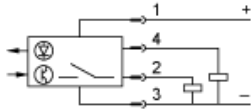
Dimensions



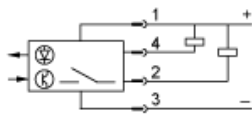
- (1) Transmitting face
- (2) Reception face

## Wiring Schemes (4-Wire DC)

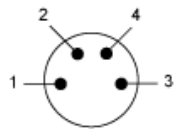
### PNP Output



### NPN Output



### Connector Scheme



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