

## XUJB06031H60

photo-electric sensor - XUJ - reflex - kit - Sn 6m -  
24..240VAC/DC - terminals



### Main

Range of product	OsiSense XU
Series name	Application tertiary sector
Electronic sensor type	Photo-electric sensor
Product specific application	Buzzer signalling
Sensor name	XUJ
Sensor design	Compact
Material	Plastic
Detection system	Reflex
Emission	Infrared
[Sn] nominal sensing distance	6 m with reflector Ø 80 mm
Wiring technique	4-wire
Sale per indivisible quantity	1

### Complementary

Enclosure material	PEI
Type of output signal	Discrete
Output type	Relay
Discrete output function	1 NO
Output function governance	Dark
Electrical connection	Screw-clamp terminals, maximum : 1 x 1.5 mm <sup>2</sup>
Cable entry	1 entry for Pg 9 cable gland
Signalling function	Buzzer
Status LED	1 LED (yellow) for output state
Supply circuit type	AC/DC
[Us] rated supply voltage	24...240 V AC 24...48 V DC
Supply voltage limits	20...264 V AC 20...60 V DC
Output voltage	<= 250 V AC <= 30 V DC
Switching capacity in mA	0.5 A (cos φ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V) 2 A (cos φ = 1 for 1 million cycles at 1 operating cycle per second)
Switching frequency	<= 20 Hz
Power consumption in W	<= 2 W
Time delay range	0.3...3 s
Delay first up	<= 60 ms
Delay response	<= 25 ms
Delay recovery	<= 25 ms
Electrical durability	500000 cycles, switching capacity: 500 mA, cos f = 0.4, 60 cyc/mn at 250 V 1000000 cycles, switching capacity: 2000 mA, cos f = 1, 60 cyc/mn at 250 V
Depth	69 mm
Height	85 mm
Width	28 mm
Product weight	0.33 kg

### Environment

product certifications	CE
ambient air temperature for operation	-25...55 °C

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

ambient air temperature for storage	-40...70 °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	IP40 double insulation conforming to IEC 60529

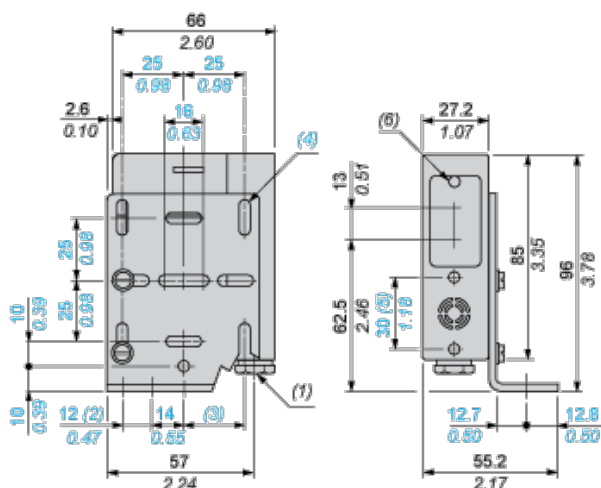
## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYYYWW)	Compliant - since 1001 - Schneider Electric declaration of conformity

## Dimensions

### Sensor Dimensions

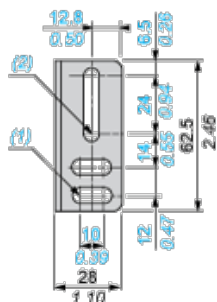
mm  
in.



- (1) 9P cable gland
- (2) 2 elongated holes  $\varnothing$  6.5 x 10
- (3) 1 elongated hole  $\varnothing$  6.5 x 24
- (4) 8 elongated holes  $\varnothing$  4.2 x 10
- (5) Front fixing ( $\varnothing$  4 screws and inserts included)
- (6) Yellow LED

### Bracket Fixing

mm  
in.

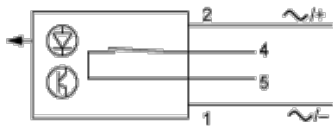


- (1) 2 elongated holes  $\varnothing$  6.5 x 16.5
- (2) 1 elongated hole  $\varnothing$  6.5 x 30.5

## Wiring Schemes

### NO Function

Object present



### Terminal Connections

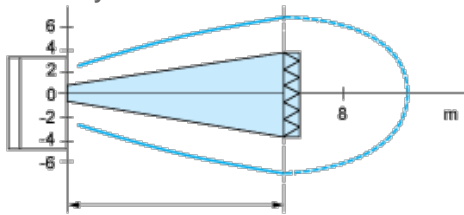
1 NO relay output

- 1 ⌀ — A1 (~/-)
- 2 ⌀ — A2 (~/+)
- 3 ⌀ —
- 4 ⌀ — ~ 250 V, 100 VA max.
- 5 ⌀ — ~ 250 V, 100 VA max.

### Curves

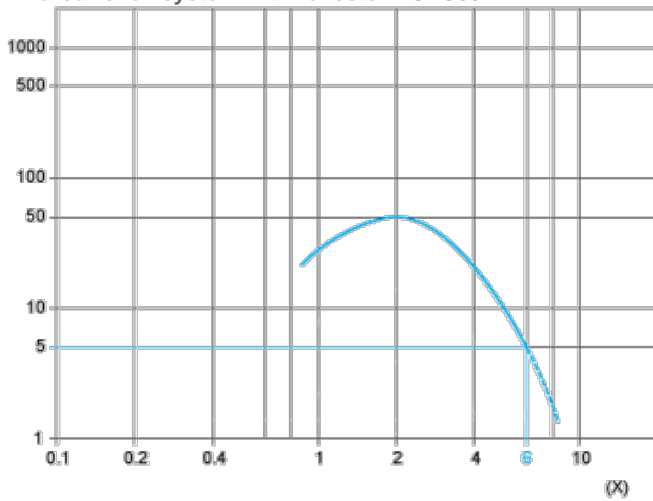
#### Detection Curve

Reflex System



#### Excess Gain Curves (Ambient Temperature: + 25° C)

Infrared reflex system with reflector XUZC80



(x) Distance (mm)