



Main

Range of product	Telemecanique Photoelectric sensors 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	Output state: 1 LED (yellow)
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
Maximum power consumption in W	2 W
Time delay range	0.3...3 s
Maximum delay first up	60 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Electrical durability	1000000 Cycles, switching capacity: 2000 mA, cos f = 1, operating rate <60 cyc/mn at 250 V 500000 cycles, switching capacity: 500 mA, cos f = 0.4, operating rate <60 cyc/mn at 250 V
Depth	69 mm
Height	85 mm
Width	28 mm
Net weight	0.33 kg

## Environment

Product certifications	CE
Ambient air temperature for operation	-25...55 °C
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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6 cm
Package 1 Width	18 cm
Package 1 Length	20 cm
Package 1 Weight	339 g
Unit Type of Package 2	S04
Number of Units in Package 2	24
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	8.941 kg

## Offer Sustainability

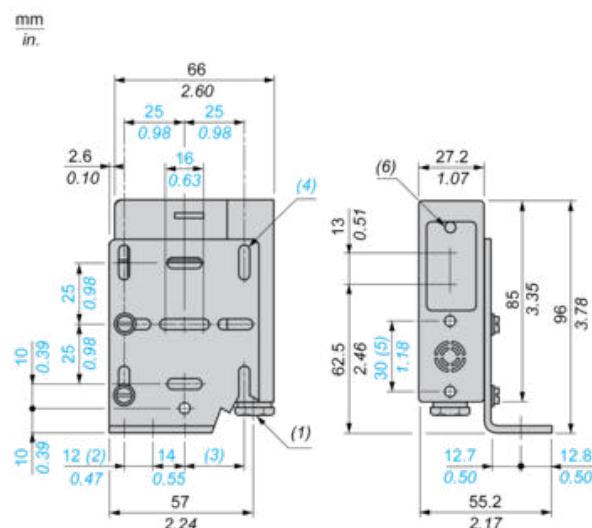
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach RoHS enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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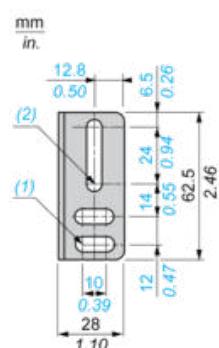
## Dimensions

### Sensor Dimensions



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

### Bracket Fixing



- (1) 2 elongated holes Ø 6.5 x 16.5
- (2) 1 elongated hole Ø 6.5 x 30.5

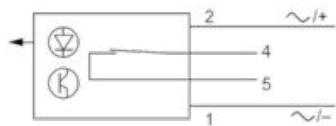
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## Wiring Schemes

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### NO Function

Object present



### Terminal Connections

1 NO relay output

1 Ø	— A1 (AC 24V, AC 110V, AC 230V)
2 Ø	— A2 (AC 24V, AC 110V, AC 230V)
3 Ø	—
4 Ø	— ~ 250 V, 100 VA max.
5 Ø	— : 250 V, 100 VA max.

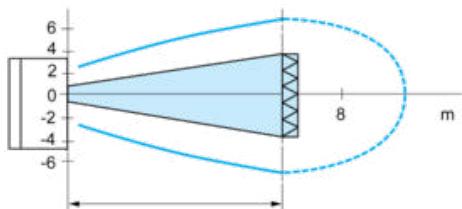
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## Curves

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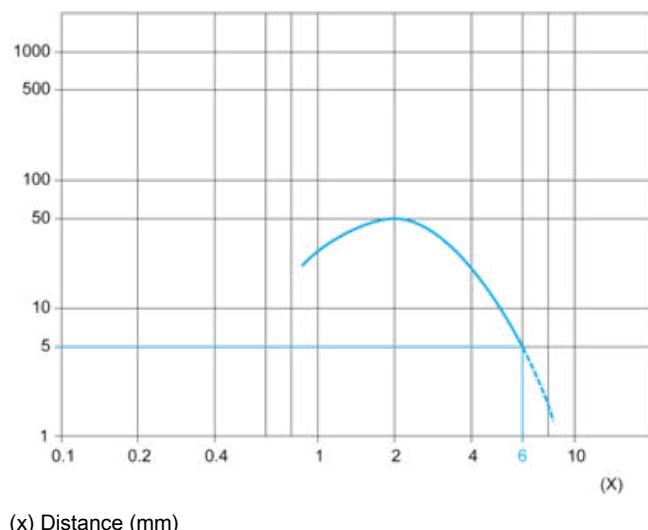
### Detection Curve

Reflex System



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

Infrared reflex system with reflector XUZC80



(x) Distance (mm)