



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 mm²
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 Weight	347 g
Package 1 Height	6 cm
Package 1 width	18 cm
Package 1 Length	20 cm
Unit Type of Package 2	S04
Number of Units in Package 2	24
Package 2 Weight	9.58 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

Offer Sustainability

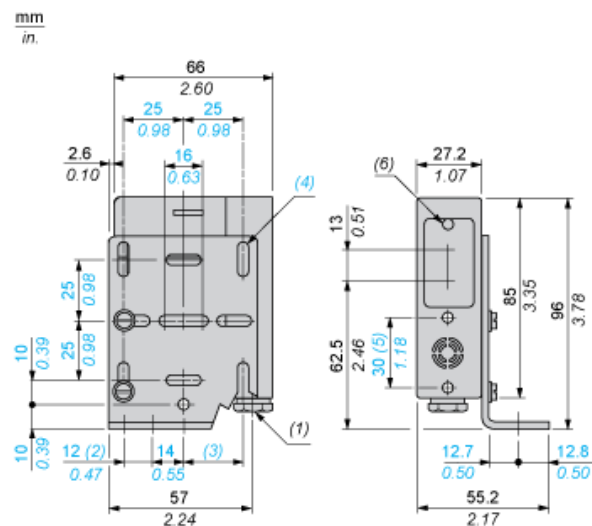
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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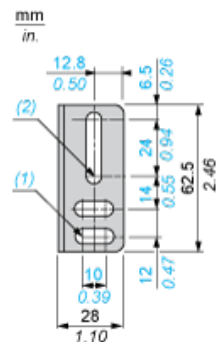
Dimensions

Sensor Dimensions



- (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

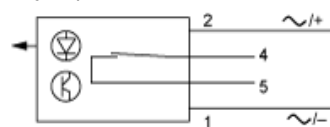


- (1) 2 elongated holes $\varnothing$ 6.5 x 16.5
- (2) 1 elongated hole $\varnothing$ 6.5 x 30.5

Wiring Schemes

NO Function

Object present



Terminal Connections

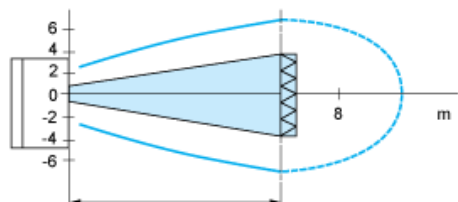
1 NO relay output

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

Curves

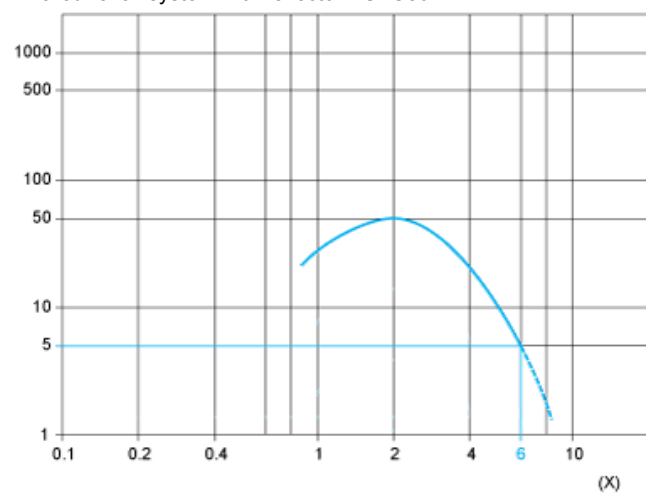
Detection Curve

Reflex System



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

Infrared reflex system with reflector XUJC80



(x) Distance (mm)