



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	19.69 ft (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 ²
Cable entry	1 entry for Pg 9 cable gland
Signalling function	Buzzer
Status LED	1 LED (yellow) 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 φ = 0.4, 60 cyc/mn at 250 V 1000000 cycles, switching capacity: 2000 mA, cos φ = 1, 60 cyc/mn at 250 V
Depth	2.72 in (69 mm)
Height	3.35 in (85 mm)
Width	1.1 in (28 mm)
Product weight	0.73 lb(US) (0.33 kg)


Environment

Product certifications	CE
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...158 °F (-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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901575160
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7199999999999997
Returnability	N
Country of origin	FR

Offer Sustainability

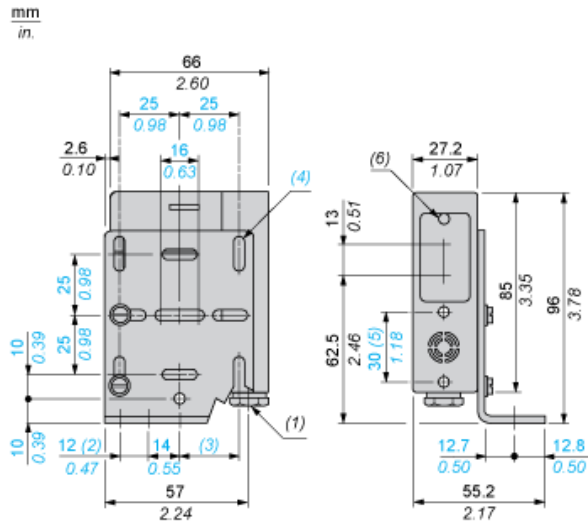
RoHS (date code: YYWW)	Compliant - since 1001 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP) which is known to the State of California to cause cancer and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP) which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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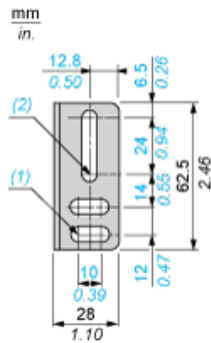
Dimensions

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

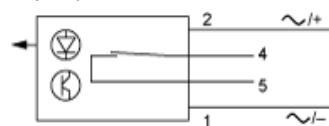


- (1) 2 elongated holes \varnothing 6.5 x 16.5
- (2) 1 elongated hole \varnothing 6.5 x 30.5

Wiring Schemes

NO Function

Object present



Terminal Connections

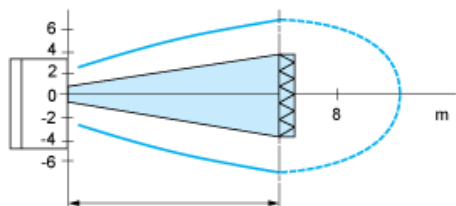
1 NO relay output

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

Curves

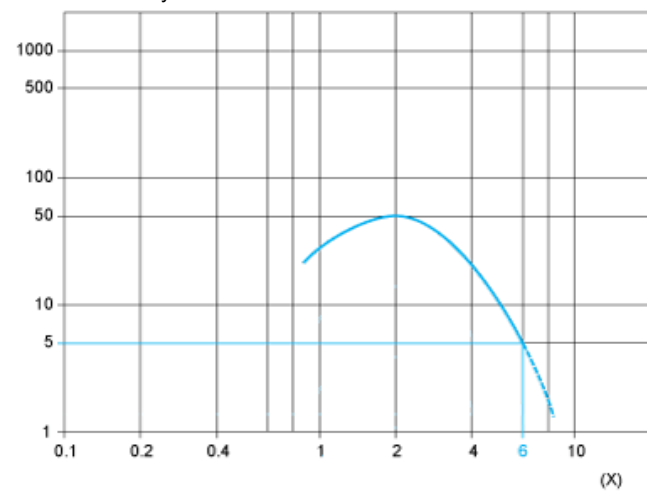
Detection Curve

Reflex System



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

Infrared reflex system with reflector XUZC80



(x) Distance (mm)