

Product Life Status : **END OF COMMERCIALIZATION**

TODAY  
FEB 22, 2021

End of Commercialization  
MAR 01, 2020



## Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	5 m polarised reflex need reflector XUZC50

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## Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state 1 LED (red) for instability
[Us] rated supply voltage	12..24 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	35 mA no-load
Maximum delay first up	30 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms

Setting-up	Without sensitivity adjustment
Depth	27 mm
Height	38 mm
Width	12 mm
Net weight	0.01 kg




## Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...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	IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

## Packing Units

Package 1 Weight	0.011 kg
Package 1 Height	0.150 dm
Package 1 width	1.200 dm
Package 1 Length	1.200 dm

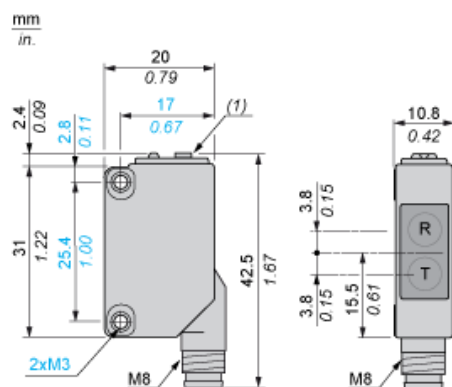
## Offer Sustainability

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

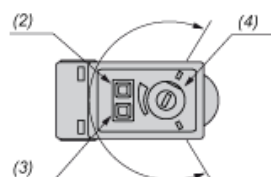
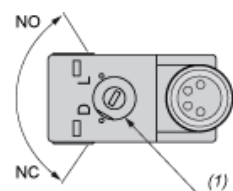
Warranty	18 months
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## Dimensions



R : Reception  
T : Transmission  
(1) Potentiometer

## Mounting and Clearance



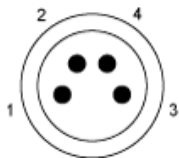
- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED
- (4) Adjustment potentiometer

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## Connections and Schemes

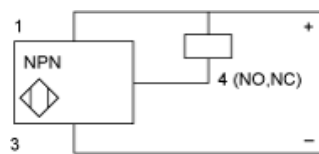
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### M8 Connector

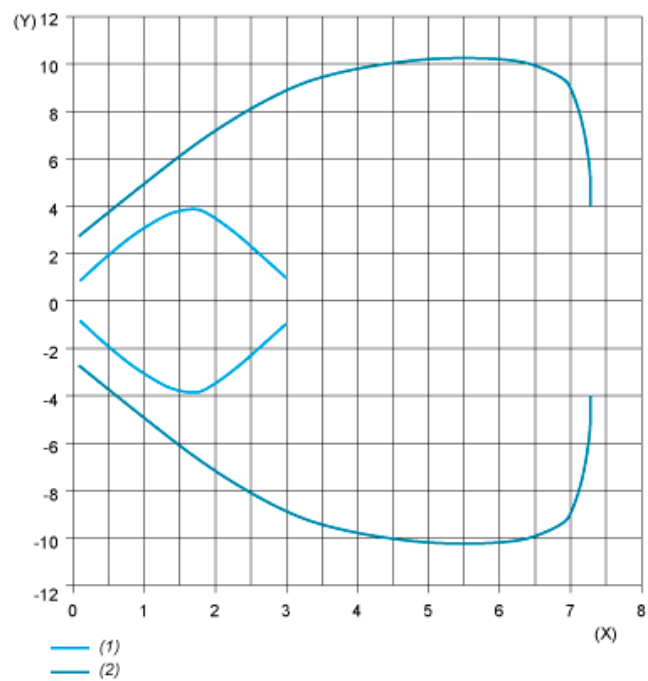


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

### NPN



## Detection Curves



- (1) XUZY08  
(2) XUZY50  
(Y) Parallel movement (cm)  
(X) Distance (m)