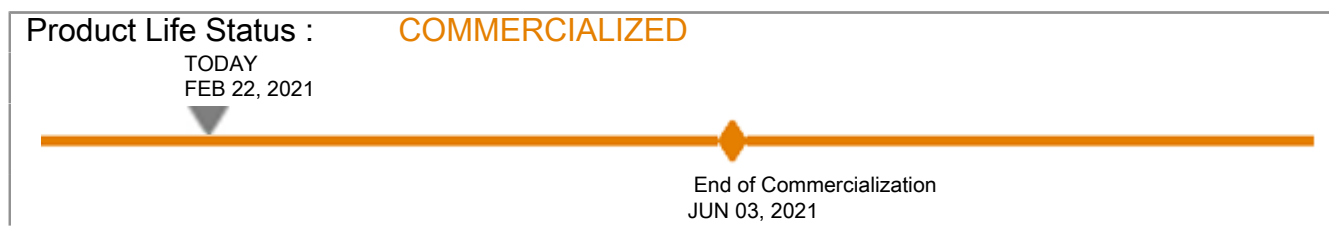


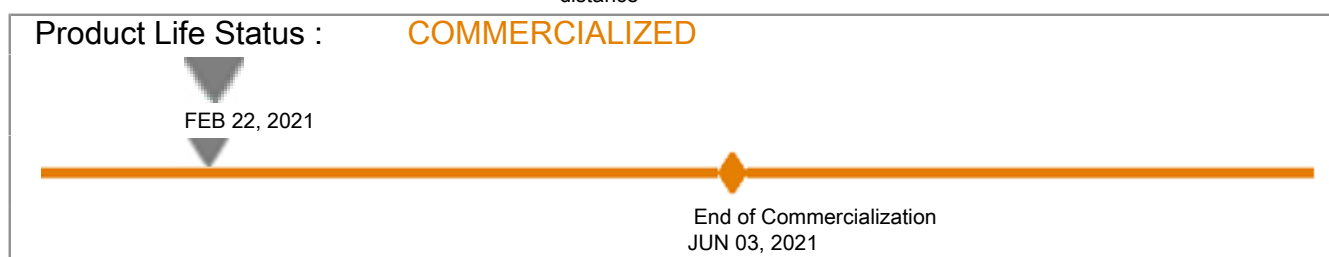
# XUM2ANCNM8

photo-electric sensor - XUM - thru beam - Sn  
15m - 12..24VDC - M8



## 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	Thru beam
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 thru beam
[Sn] nominal sensing distance	15 m thru beam



## Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (green) for instability and receiver/supply on 1 LED (orange) for transmitter/supply on 1 LED (red) for receiver/indicator light
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 1000 Hz
Maximum voltage drop	<3 V (closed state)
Current consumption	11...13 mA no-load
Maximum delay first up	100 ms
Maximum delay response	0.5 ms

Maximum delay recovery	0.5 ms
Setting-up	Sensitivity adjustment by potentiometer
Depth	20 mm
Height	43 mm
Width	11 mm
Net weight	0.119 kg
Kit composition	Transmitter + receiver XUM2AKCNM8T + XUM2APCNM8R




## Environment

Product certifications	CTick CULus CE
Ambient air temperature for operation	-30...60 °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	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529

## Packing Units

Package 1 Weight	0.019 kg
Package 1 Height	0.110 dm
Package 1 width	1.200 dm
Package 1 Length	1.300 dm

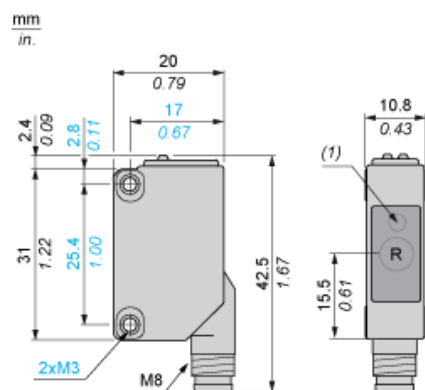
## Offer Sustainability

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	 Yes

## Contractual warranty

Warranty	18 months
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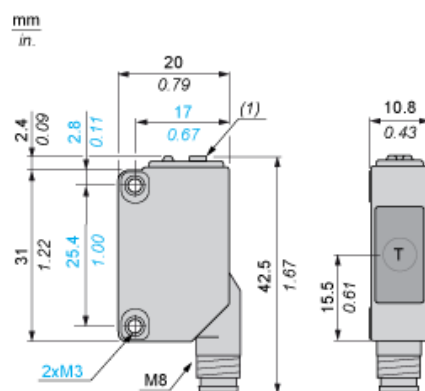
## Receiver's Dimensions



R : Reception

(1) Output state LED on front face

## Transmitter's Dimensions



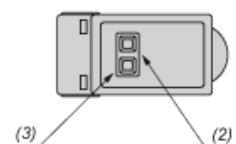
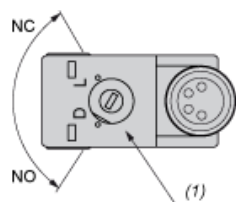
T : Transmission

(1) Potentiometer

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## Mounting and Clearance

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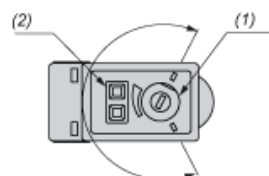
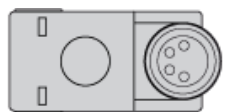


- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED

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## Mounting and Clearance

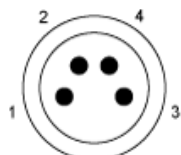
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- (1) Adjustment potentiometer
- (2) Power on LED

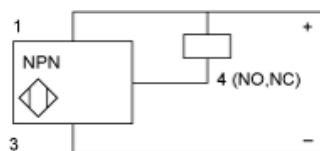
## Connections and Schemes

### M8 Connector

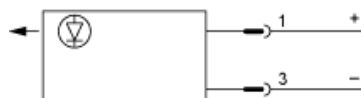


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

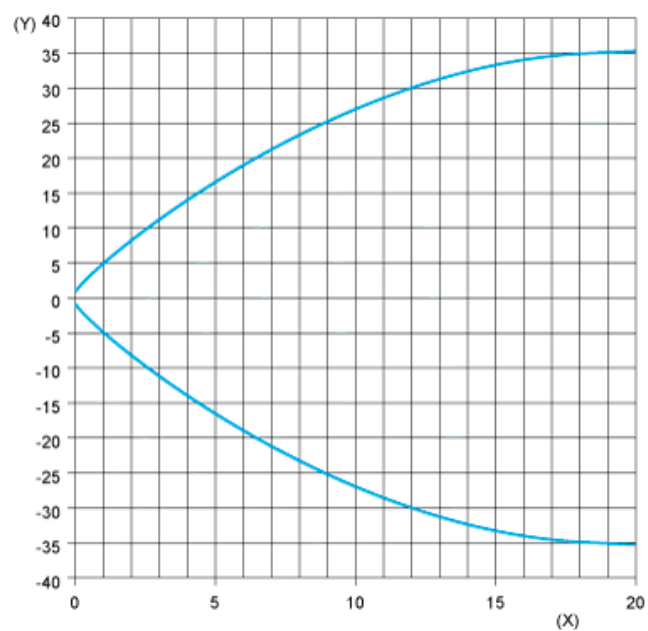
### NPN



### Transmitter DC



## Detection Curves



(Y) Parallel movement (cm)

(X) Distance (m)