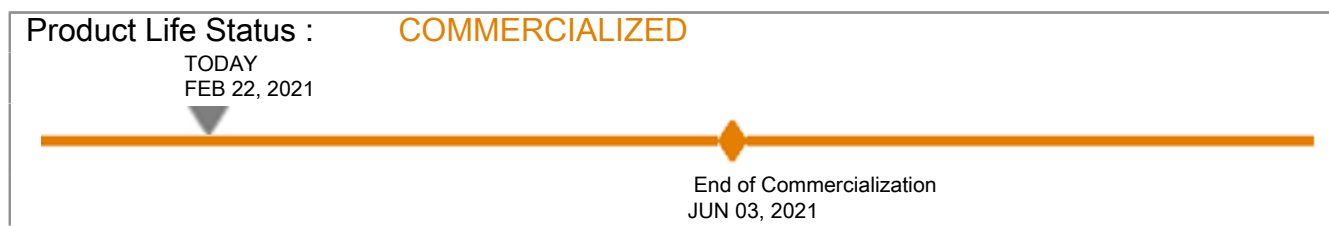


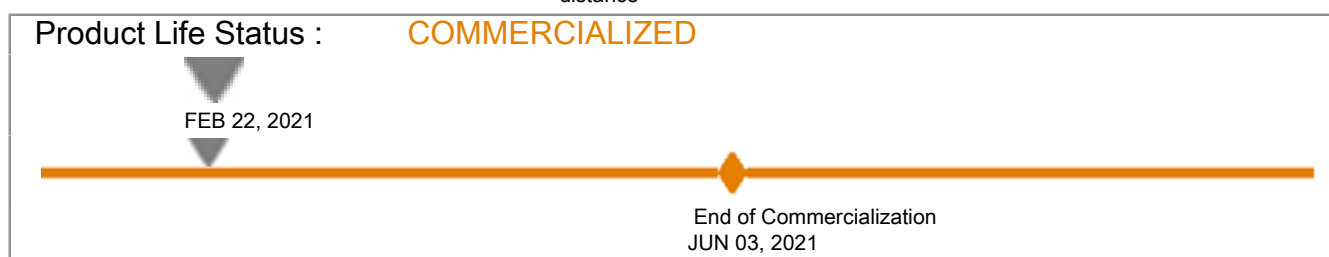
# XUM2APCNM8

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	PNP
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 (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	Sensitivity adjustment
Depth	27 mm
Height	38 mm
Width	12 mm
Net weight	0.119 kg
Kit composition	Transmitter + receiver XUM2AKCNM8T + XUM2APCNM8R




## Environment

Product certifications	CE UL CSA
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	0.019 kg
Package 1 Height	0.110 dm
Package 1 width	1.200 dm
Package 1 Length	1.000 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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Technical drawing of the M8 connector showing front and side views with dimensions in mm and inches.

**Front View Dimensions:**

- Overall width: 20 mm (0.79 in.)
- Distance between mounting holes: 17 mm (0.67 in.)
- Mounting hole diameter: 2.4 mm (0.09 in.)
- Distance from top edge to mounting hole center: 2.8 mm (0.11 in.)
- Distance from bottom edge to mounting hole center: 25.4 mm (1.00 in.)
- Overall height: 31 mm (1.22 in.)
- Distance from top edge to bottom edge of main body: 1.00 in.
- Distance from bottom edge of main body to bottom of connector: 42.5 mm (1.67 in.)
- Mounting holes: 2xM3
- Bottom thread: M8

**Side View Dimensions:**

- Overall width: 10.8 mm (0.43 in.)
- Distance from top edge to center of 'R' feature: 15.5 mm (0.61 in.)
- Feature 'R' is indicated by a circled 'R' and a dimension line.

(1) Output state LED on front face

The technical drawing shows two views of the M8-2xM3 connector:

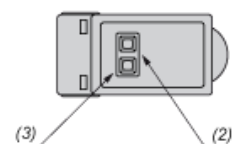
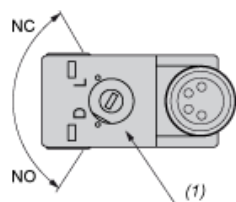
- Front View (Left):** Shows the main body with two mounting holes labeled "2xM3". Dimensions include a total width of 20 mm (0.79 in.), a distance between hole centers of 17 mm (0.67 in.), and a total height of 31 mm (1.22 in.). Individual hole diameters are 2.4 mm (0.09 in.) and 2.8 mm (0.11 in.). The distance from the top edge to the center of the lower hole is 25.4 mm (1.00 in.). A feature (1) is indicated near the top right.
- Side View (Right):** Shows the profile of the connector with a total length of 42.5 mm (1.67 in.). The mounting flange has a diameter of 10.8 mm (0.43 in.). The distance from the base to the center of the mounting hole is 15.5 mm (0.61 in.). A label "T" is shown on the side face.

(1) Potentiometer

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Mounting and Clearance

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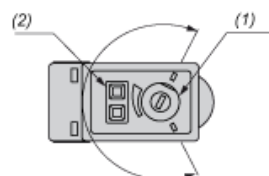
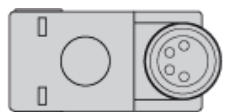


- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED

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Mounting and Clearance

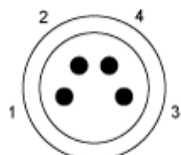
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- (1) Adjustment potentiometer
- (2) Power on LED

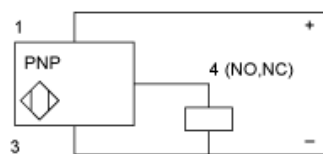
## Connections and Schemes

### M8 Connector

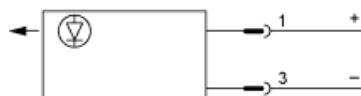


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

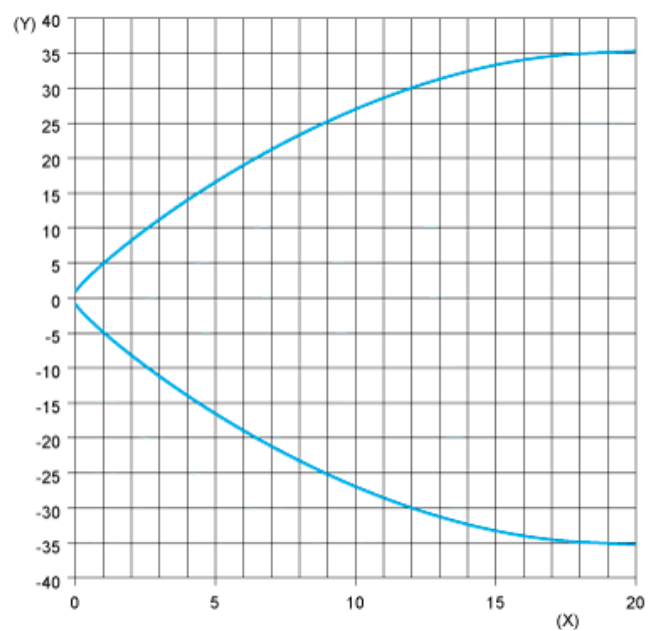
### PNP



### Transmitter DC



## Detection Curves



(Y) Parallel movement (cm)

(X) Distance (m)