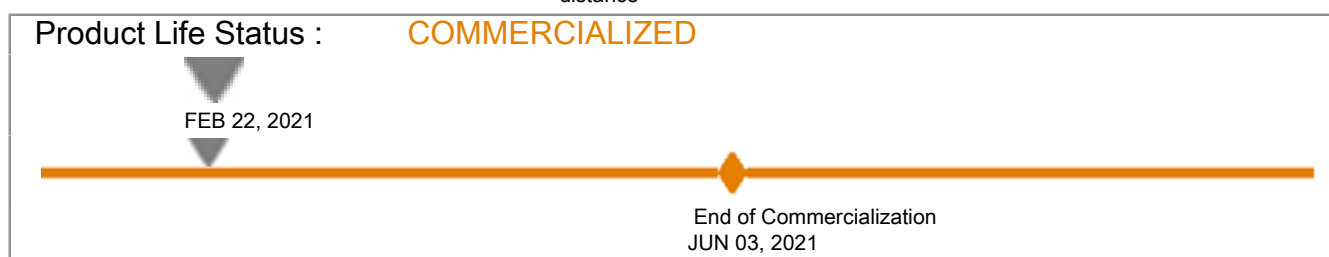


Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
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 need a transmitter XUM2AKCNM8T



Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Add on input	Test by emission breaking
Status LED	1 LED (red) for indicator light 1 LED (green) for instability and supply on
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 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	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
Depth	20 mm
Height	43 mm
Width	11 mm
Net weight	0.01 kg




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	0.011 kg
Package 1 Height	0.120 dm
Package 1 width	1.200 dm
Package 1 Length	1.200 dm

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

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:

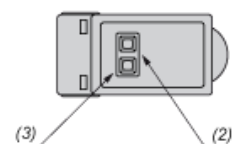
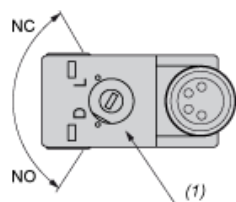
- Overall width: 20 mm (0.79 in.)
- Distance between mounting holes: 17 mm (0.67 in.)
- Mounting hole diameter: 2.4 mm (0.09 in.)
- Distance from top edge to mounting hole center: 2.8 mm (0.11 in.)
- Distance from bottom edge to mounting hole center: 25.4 mm (1.00 in.)
- Overall height: 31 mm (1.22 in.)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

Side View Dimensions:

- Overall width: 10.8 mm (0.43 in.)
- Distance from top edge to bottom edge of main body: 15.5 mm (0.61 in.)
- Feature (1) is indicated on the side view.

(1) Output state LED on front face

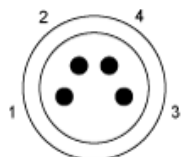
Mounting and Clearance



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

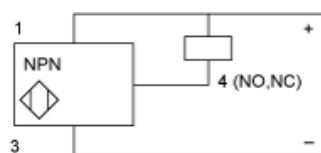
Connections and Schemes

M8 Connector

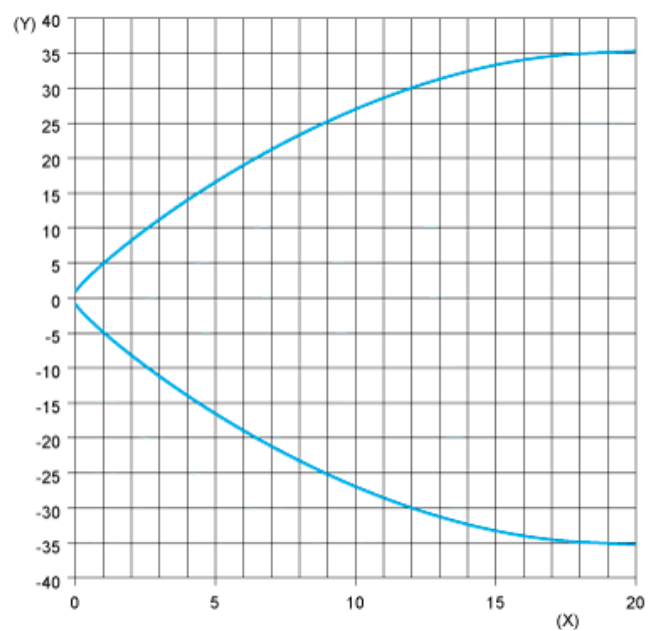


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

NPN



Detection Curves



(Y) Parallel movement (cm)
(X) Distance (m)