

# Product data sheet

Specifications



## Photoelectric sensors XU, XUM, emitter, 12...24 VDC, M8

XUM2AKCNM8T

### Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUM
Sensor design	Miniature
Detection system	Thru beam
Material	Plastic
Supply circuit type	DC
Wiring technique	2-wire
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 receiver

### Complementary

Enclosure material	PBT
Lens material	PMMA
Add on input	Test by emission breaking
Status LED	1 LED (orange) for 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	11 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	11 g
Package 1 Height	1.5 cm
Package 1 width	15 cm
Package 1 Length	15 cm
Unit Type of Package 2	S01
Number of Units in Package 2	30
Package 2 Weight	552 g
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm
Unit Type of Package 3	PAL
Number of Units in Package 3	960
Package 3 Weight	10.56 kg
Package 3 Height	60 cm
Package 3 width	80 cm
Package 3 Length	960 cm

## 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>
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

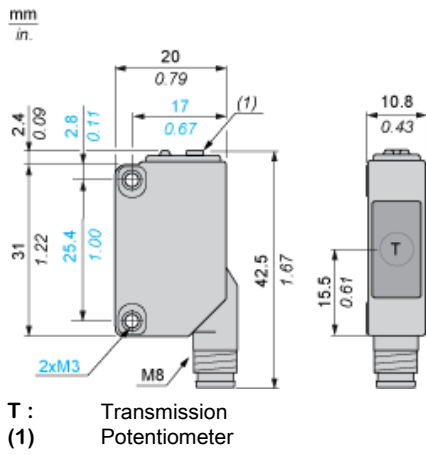
# Contractual warranty

Warranty

18 months

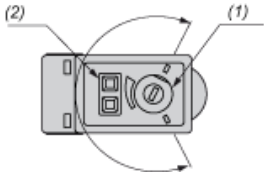
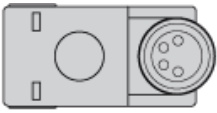
## Transmitter's Dimensions

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**Mounting and Clearance**

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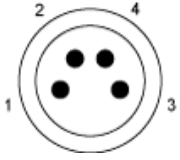


- (1) Adjustment potentiometer
- (2) Power on LED

**Connections and Schemes**

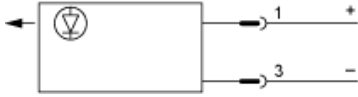
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**M8 Connector**



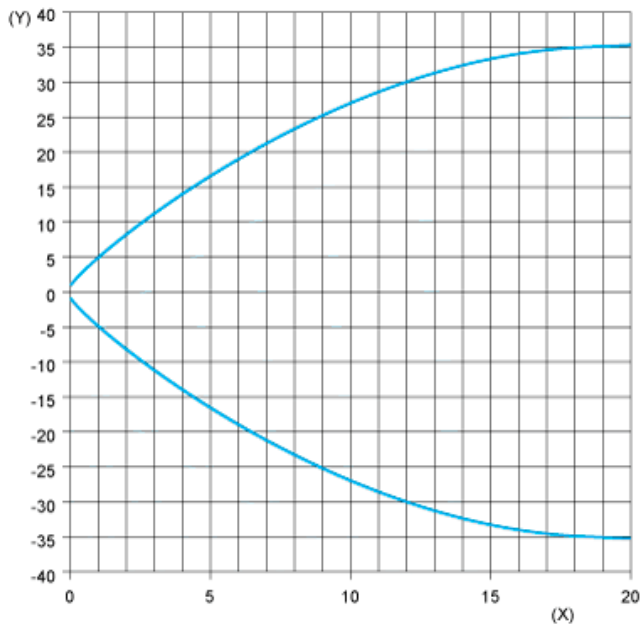
- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

**Transmitter DC**



Detection Curves

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

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