

Product data sheet

Specifications



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

XUM2AKCNM8T

ⓘ Discontinued on: 27 April 2022

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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 Height	1.5 cm
Package 1 Width	15 cm
Package 1 Length	15 cm
Package 1 Weight	11 g

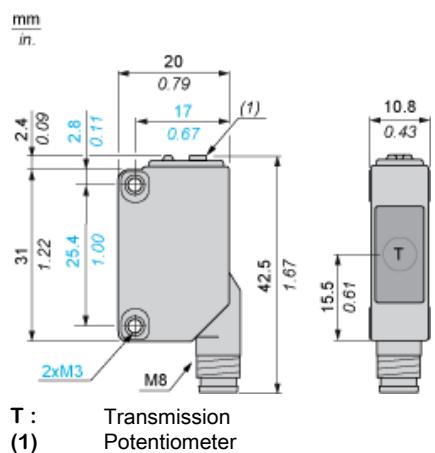
Offer Sustainability

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
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 www.P65Warnings.ca.gov

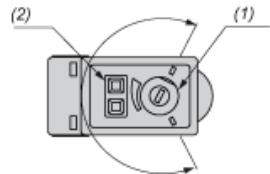
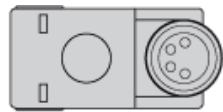
Contractual warranty

Warranty	18 months
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Transmitter's Dimensions



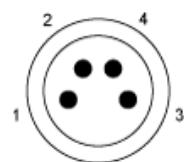
Mounting and Clearance



(1) Adjustment potentiometer
(2) Power on LED

Connections and Schemes

M8 Connector

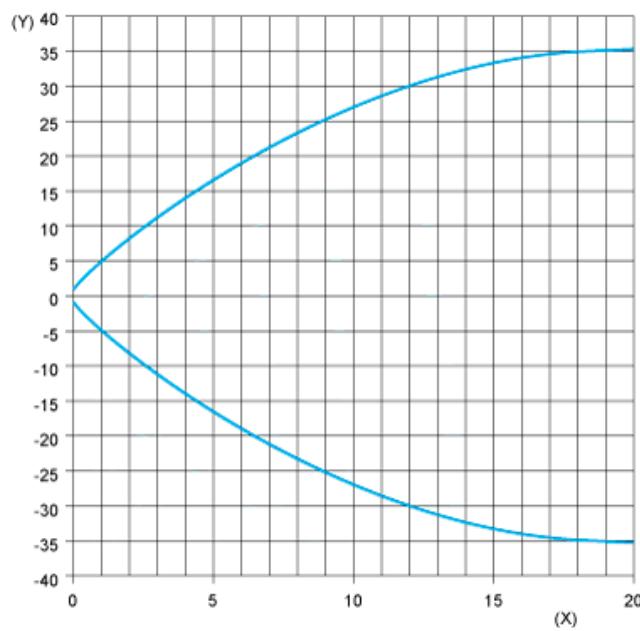


1 : (+)
3 : (-)
4 : OUT/Output

Transmitter DC



Detection Curves



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

Recommended replacement(s)

XUM2AKCNM8T is replaced by:

1x



Photoelectric sensors XU, miniature, thru beam, Smax=30 m, transmitter, connector M8

XUM2AKXBM8T