



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
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	3-wire
Electrical connection	1 male connector M8, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	10 m thru beam need a receiver

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	14 m thru beam
Add on input	Test by emission breaking
Status LED	1 LED (green) for supply on
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...36 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	20 mA no-load
Maximum delay first up	100 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Self-teaching
Depth	20 mm
Height	45 mm
Width	12 mm
Net weight	0.035 kg

Environment

Product certifications	UL[RETURN]CSA[RETURN]CE
Ambient air temperature for operation	-25...55 °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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.7 cm
Package 1 Width	9.6 cm
Package 1 Length	4.2 cm
Package 1 Weight	37.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.976 kg
Unit Type of Package 3	P06
Number of Units in Package 3	704
Package 3 Height	75 cm
Package 3 Width	40 cm
Package 3 Length	80 cm
Package 3 Weight	51.048 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

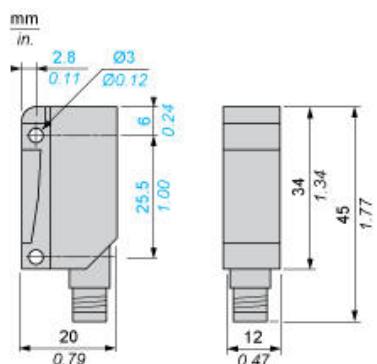
## Contractual warranty

Warranty	18 months
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Dimensions

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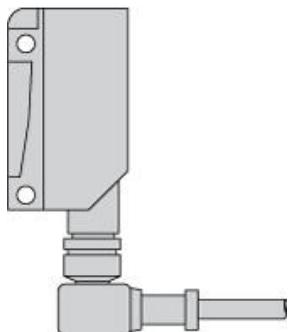


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Mounting and Clearance

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Possible Orientation of Elbowed Connector

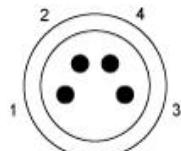


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## Wiring Schemes

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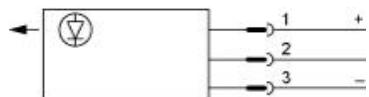
### M8 Connector



- 1 : (+)
- 2 : Beam break input (1)
- 3 : (-)
- 4 : OUT/Output

(1) Beam break input on thru-beam transmitter only

### Thru-beam Function Transmitter



Input 2:

- not connected: beam made
- connected to -: beam broken

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### Detection Curves

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With Thru-beam Accessory (Thru-beam)

