## XUM5ANXBM8

Photoelectric sensors XU, miniature, diffuse long, Smax=1.9 m, NPN, connector M8



#### Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Diffuse
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
Emission	Infrared diffuse
[Sn] nominal sensing distance	1.5 m

#### Complementary

Complementary		
Enclosure material	PBT	
Lens material	PMMA	
Maximum sensing distance	1.9 m	
Output type	Solid state	
Status LED	Stability: 1 LED (green) Output state: 1 LED (orange)	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	1030 V DC	
Switching capacity in mA	<= 100 mA with overload and short-circuit protection	
Switching frequency	<= 1000 Hz	
Maximum voltage drop	<2 V	
Current consumption	20 mA no-load	
Maximum delay first up	100 ms	
Maximum delay response	0.5 ms	
Maximum delay recovery	0.5 ms	
Setting-up	Sensitivity by potentiometer	
Depth	20 mm	
Height	44 mm	
Width	10 mm	
Net weight	0.01 kg	

#### **Environment**

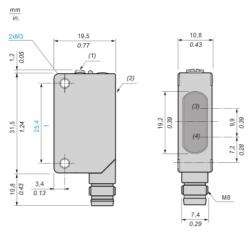
Product certifications	cULus[RETURN]CE[RETURN]UKCA
Ambient air temperature for operation	-3055 °C
Ambient air temperature for storage	-4070 °C
Relative humidity	3595 %
Immunity to ambient light	40000 Lux sunlight 10000 lux incandescent light
Vibration resistance	9 gn, amplitude = +/- 1.5 mm (f = 10500 Hz)for every axis conforming to IEC 60068-2-6

Shock resistance	100 gn (duration = 11 ms) for for every axis 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	4.5 cm
Package 1 Length	9.0 cm
Package 1 Weight	13.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	120
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.066 kg
Offer Sustainability	
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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com
Contractual warranty	
Warranty	18 months

# Product data sheet Dimensions Drawings

# XUM5ANXBM8

#### **Dimensions**



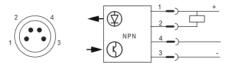
- (1): Setting potentiometer (sensitivity)
- (2): Setting potentiometer (output)
- (3): Reception
- (4): Transmission

## Product data sheet Connections and Schema

# XUM5ANXBM8

#### Connection and schema

### Wiring diagram



1:(+)

2: Not connected

3:(-)

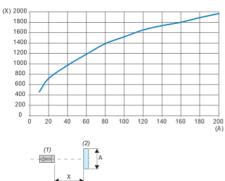
4 : OUT/Output

# Product data sheet Performance Curves

### XUM5ANXBM8

#### **Detection curves**

#### Object size/sensing distance

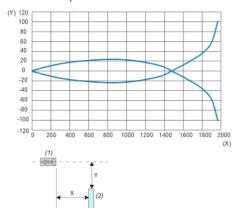


(1): Sensor

(2): Object (white mat paper of A mm square)

(A) : Side length (mm)(X) : Sensing distance (mm)

#### Lateral displacement

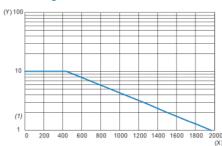


(1): Sensor

(2): Object (200 x 200 mm square white paper)

(X): Sensing distance (mm)(Y): Lateral displacement (mm)

#### Excess gain



(1): Operation level

(X) : Sensing distance (m)

(Y): Excess gain