XUM2APXBM8

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



Main

TTTGTTT	
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	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Emission	Red LED thru beam
[Sn] nominal sensing distance	20 m

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	30 m
Output type	Solid state
Status LED	Supply on: 1 LED (green) Receiver/Output: 1 LED (orange) Receiver/supply on: 1 LED (green)
[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 for transmitter 20 mA for receiver
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	0.019 kg
Kit composition	Transmitter + receiver XUM2AKXBM8T + XUM2APXBM8R

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

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.2 cm
Package 1 Width	9 cm
Package 1 Length	13 cm
Package 1 Weight	21 g
Unit Type of Package 2	S02
Number of Units in Package 2	120
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.012 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
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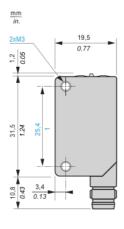


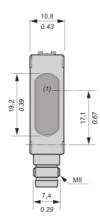
Product data sheet Dimensions Drawings

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Dimensions

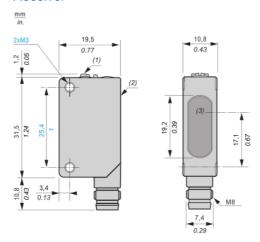
Transmitter





(1): Transmission

Receiver



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

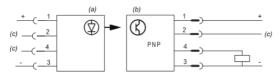
Product data sheet Connections and Schema

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Connection and schema

Wiring diagram





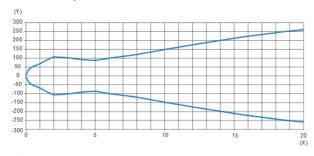
- 1: (+)
- 2: Not connected
- 3: (-)
- 4: OUT/Output
- (a): Transmitter
- (b): Receiver
- (c): Not connected

Product data sheet Performance Curves

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Detection curves

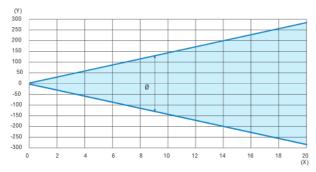
Lateral displacement





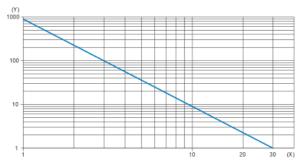
- (1): Transmitter
- (2): Receiver
- (X): Sensing distance (m)
- (Y): Lateral displacement (mm)

Light beam diameter



- (X): Sensing distance (m)
- (Y): Light beam diameter (mm)

Excess gain



- (X): Sensing distance (m)
- (Y): Excess gain