

# XUM2APSB2

## PHOTOELECTRIC SENSOR MINIATURE THRU BEAM SN 20M PNP CABLE 2M



### Main

Range of product	OsiSense 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	Cable
Cable length	2 m
Emission	Infrared thru beam
[Sn] nominal sensing distance	20 m

### Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	Transmitter/Supply on: 1 LED (green) Receiver/Output: 1 LED (yellow) Receiver/stability: 1 LED (green)
[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 with short-circuit protection
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V
Current consumption	30 mA no-load
Maximum delay first up	300 ms
Maximum delay response	1 ms
Setting-up	Sensitivity by potentiometer
Depth	19.5 mm
Height	31.5 mm
Width	10.8 mm
Net weight	0.100 kg
Kit composition	Transmitter + receiver

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## Environment

Product certifications	UL CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	+/-0.5 mm (f = 10...55 Hz)for every axis conforming to IEC 60068-2-6
Shock resistance	30 gn for for every axis conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP54 conforming to IEC 60529

## Packing Units

Package 1 Weight	119.000 g
Package 1 Height	160.000 mm
Package 1 width	30.000 mm
Package 1 Length	110.000 mm

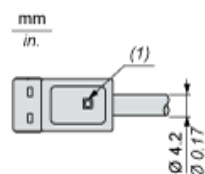
## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

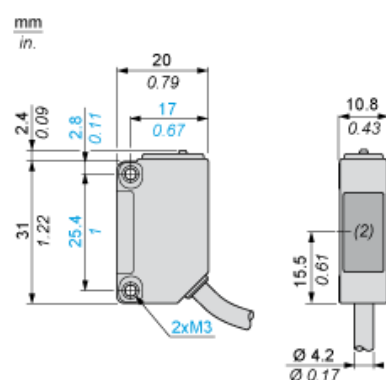
## Dimensions

### Transmitter. Pre-cable Version

#### Description



#### Dimensions

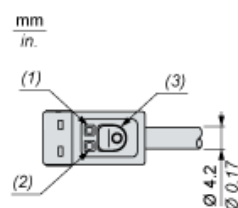


- (1) Power supply indicator (orange)
- (2) Transmission

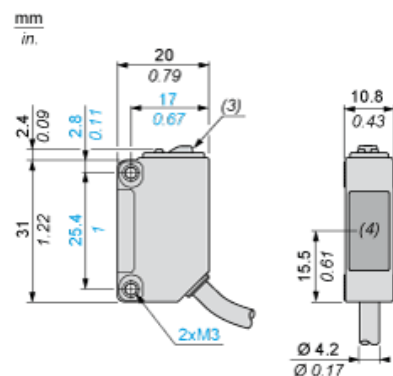
## Dimensions

### Receiver. Pre-cable Version

#### Description



#### Dimensions



- (1) Output indicator (orange)
- (2) Stability indicator (green)
- (3) Setting pushbutton
- (4) Reception

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## Connections and Schema

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### Pre-cabled

(-) : BU (Blue)

(+) : BN (Brown)

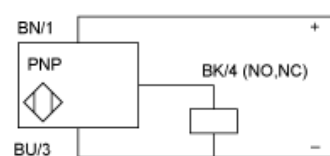
OUT/Output : BK (Black)

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## Connections and Schema

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### PNP



BN : Brown

BU : Blue

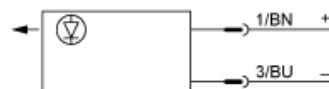
BK : Black

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## Connections and Schema

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### DC Transmitter



BN : Brown

BU : Blue

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## Mounting and Clearance

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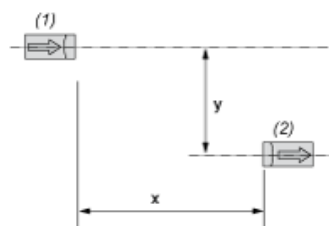
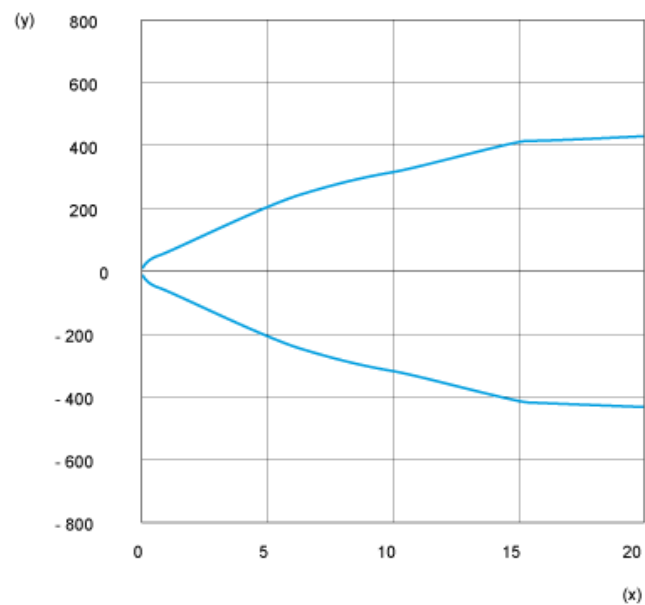
### Tightening Torque



(1) Base mounting fixing bracket

## Performance Curves

### Thru-beam System



- (1) Transmitter
- (2) Receiver
- (y) Parallel movement in mm
- (x) Distance in m