

# XUM2APSBL2R

## PHOTOELECTRIC SENSOR MINIATURE THRU BEAM SN 15M RECEIVER PNP CONNECTOR M8



### Main

|                               |                                     |
|-------------------------------|-------------------------------------|
| Range of product              | OsiSense XU                         |
| Series name                   | General purpose single mode         |
| Electronic sensor type        | Photo-electric sensor receiver      |
| 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                                 |
| [Sn] nominal sensing distance | 15 m need a transmitter XUM2AKSBL2T |

### Complementary

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| Enclosure material        | PBT                                                      |
| Lens material             | Modified polyarylate                                     |
| Output type               | Solid state                                              |
| Wire insulation material  | PVC                                                      |
| Status LED                | 1 LED (orange) for output<br>1 LED (green) for stability |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection            |
| Supply voltage limits     | 10.2...26.4 V DC                                         |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)        |
| Switching frequency       | <= 500 Hz                                                |
| Voltage drop              | <= 2 V                                                   |
| Current consumption       | 13 mA (no-load)                                          |
| Delay first up            | <= 100 ms                                                |

|                |                                      |
|----------------|--------------------------------------|
| Delay response | <= 1 ms                              |
| Delay recovery | <= 1 ms                              |
| Setting-up     | Sensitivity adjustment by pushbutton |
| Depth          | 20 mm                                |
| Height         | 34 mm                                |
| Width          | 11 mm                                |
| Product weight | 0.063 kg                             |

## Environment

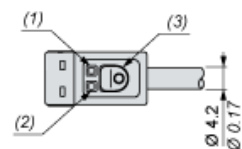
|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| Product certifications                | CE<br>UL<br>RCM                                                                                        |
| Ambient air temperature for operation | -30...55 °C                                                                                            |
| Ambient air temperature for storage   | -40...70 °C                                                                                            |
| Vibration resistance                  | +/- 1.5 mm (f = 10...55 Hz) 2 hours in each direction X, Y and Z conforming to IEC 60068-2-6           |
| Shock resistance                      | 500 m/s <sup>2</sup> (X, Y, Z directions for 10 cycles (approx. 100 min)) conforming to IEC 60068-2-27 |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                           |

## Dimensions

### Receiver. Pre-cable Version

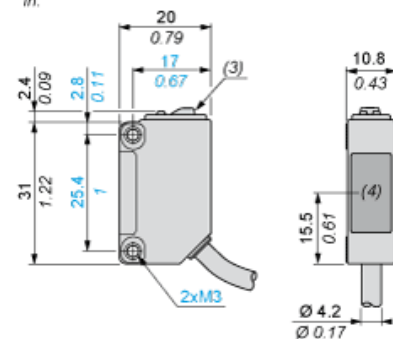
#### Description

mm  
in.



#### Dimensions

mm  
in.



- (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

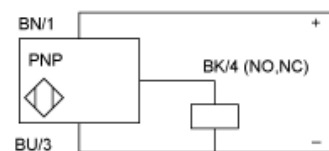
(-) : BU (Blue)

(+) : BN (Brown)

OUT/Output : BK (Black)

## Connections and Schema

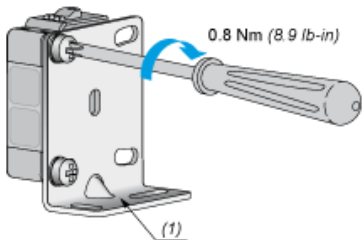
### PNP



BN : Brown  
BU : Blue  
BK : Black

Mounting and Clearance

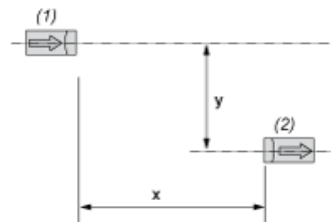
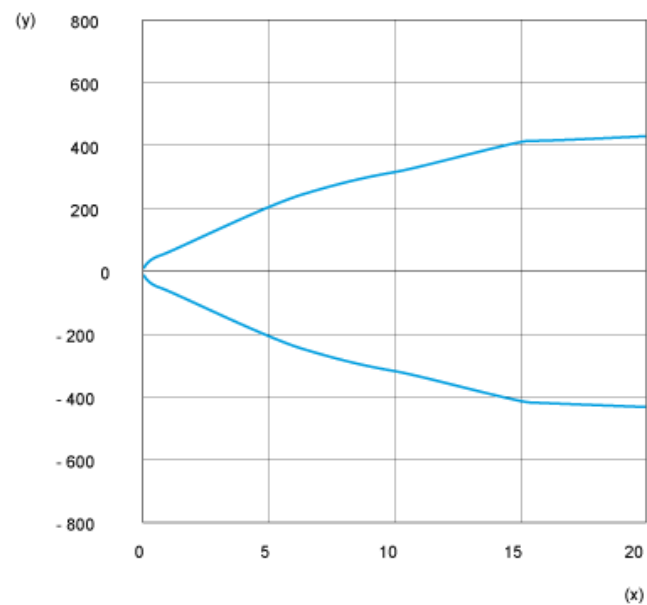
Tightening Torque



(1) Base mounting fixing bracket

## Performance Curves

### Thru-beam System



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