## Product datasheet Characteristics

# XUM2ANSBL2R PHOTOELECTRIC SENSOR MINIATURE THRU BEAM SN=15M NPN RECEIVER CABLE 2M



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	NPN
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 1 LED (green) for stability	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	10.226.4 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 UL RCM
Ambient air temperature for operation	-3055 °C
Ambient air temperature for storage	-4070 °C
Vibration resistance	+/- 1.5 mm (f = 1055 Hz) 2 hours in each direction X, Y and Z conforming to IEC 60068-2-6
Shock resistance	500 m/s² (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

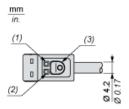
### **Product datasheet Dimensions Drawings**

## XUM2ANSBL2R

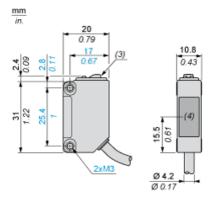
#### **Dimensions**

#### Receiver. Pre-cable Version

#### Description



#### Dimensions



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

## Product datasheet Connections and Schema

## XUM2ANSBL2R

#### Connections and Schema

#### Pre-cabled

(-): BU (Blue) (+): BN (Brown)

OUT/Output : BK (Black)

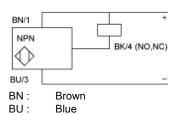
## Product datasheet Connections and Schema

## XUM2ANSBL2R

#### Connections and Schema

#### NPN

BK:



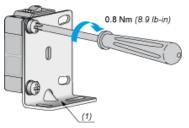
Black

## Product datasheet Mounting and Clearance

## XUM2ANSBL2R

#### Mounting and Clearance

#### Tightening Torque

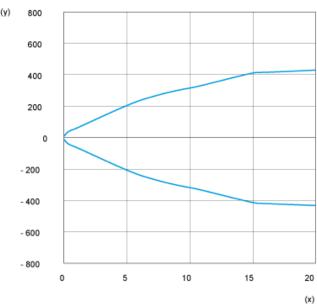


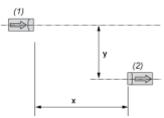
(1) Base mounting fixing bracket

## XUM2ANSBL2R

#### **Performance Curves**

#### Thru-beam System





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