

XUM2APSB2L2

PHOTOELECTRIC SENSOR MINIATURE THRU BEAM SN 15M 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	Red thru beam
[Sn] nominal sensing distance	15 m

Complementary

Enclosure material	PBT
Lens material	Modified polyarylate
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (orange) for receiver/output 1 LED (green) for receiver/stability 1 LED (orange) for transmitter/supply on
[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	25 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	0.119 kg
Kit composition	Transmitter + receiver XUM2AKSBL2T + XUM2APSB2L2R

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

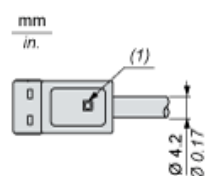
Environment

Product certifications	CE RCM UL
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 ² (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

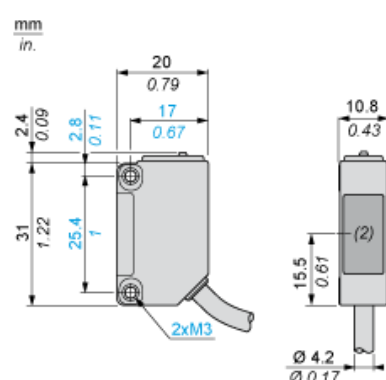
Dimensions

Transmitter. Pre-cable Version

Description



Dimensions

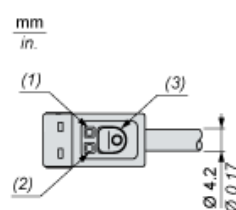


- (1) Power supply indicator (orange)
- (2) Transmission

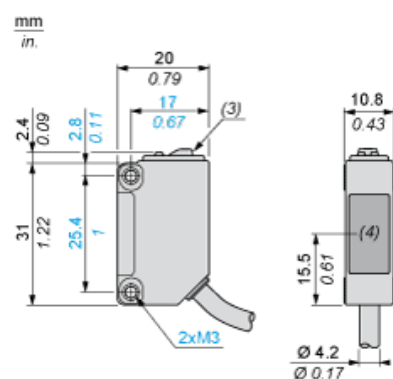
Dimensions

Receiver. Pre-cable Version

Description



Dimensions



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

Connections and Schema

Pre-cabled

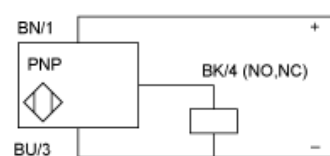
(-) : BU (Blue)

(+) : BN (Brown)

OUT/Output : BK (Black)

Connections and Schema

PNP



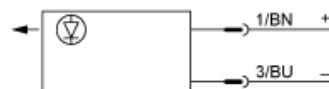
BN : Brown

BU : Blue

BK : Black

Connections and Schema

DC Transmitter



BN : Brown

BU : Blue

Mounting and Clearance

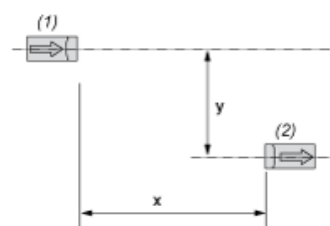
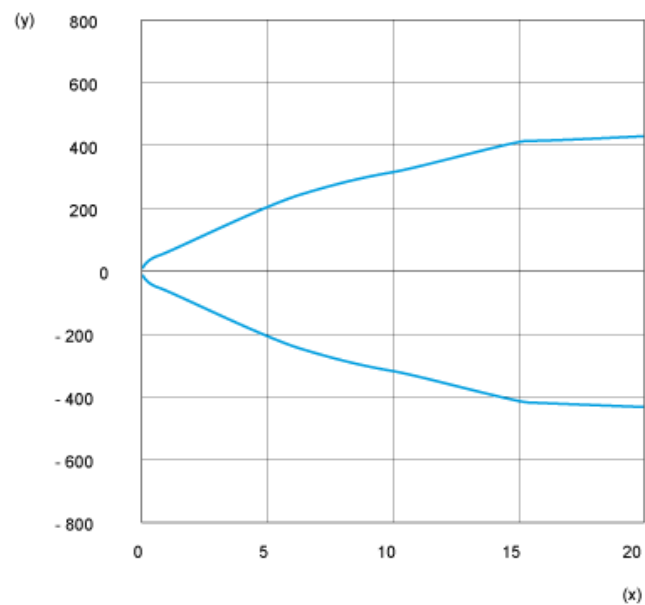
Tightening Torque



(1) Base mounting fixing bracket

Performance Curves

Thru-beam System



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