XUM2APSBL5
PHOTOELECTRIC SENSOR MINIATURE THRU BEAM SN 15M PNP CABLE 5M

Product Life Status :   COMMERCIALIZED

TODAY
FEB 22, 2021

End of Commercialization
JUN 03, 2021

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	5 m
Emission	Red thru beam
[Sn] nominal sensing distance	15 m

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Complementary

Enclosure material	PBT
Lens material	Modified polyarylate
Output type	Solid state
Wire insulation material	PVC
Status LED	Transmitter/Supply on: 1 LED (orange) Receiver/Output: 1 LED (orange) Receiver/stability: 1 LED (green)
[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 with overload and short-circuit protection
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V
Current consumption	25 mA no-load
Maximum delay first up	100 ms
Maximum delay response	1 ms

Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment by pushbutton
Depth	20 mm
Height	34 mm
Width	11 mm
Net weight	0.199 kg
Kit composition	Transmitter + receiver XUM2AKSBL5T + XUM2APSBL5R

Environment

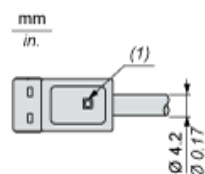|	
Product certifications	UL RCM CE
Ambient air temperature for operation	-30…55 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	+/- 1.5 mm (f = 10…55 Hz)2 hours in each direction X, Y and Z conforming to IEC 60068-2-6
Shock resistance	500 m/s² for X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529

Offer Sustainability

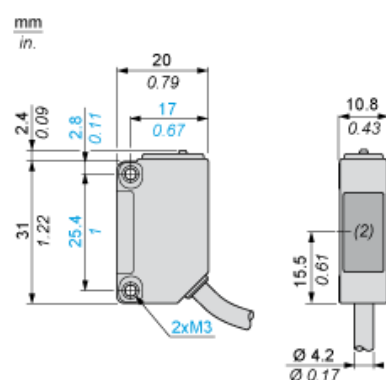|	
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Telemecanique
Sensors

Dimensions

Transmitter. Pre-cable Version

Description
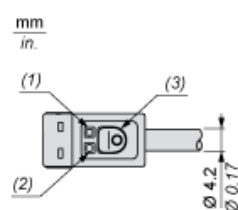

Dimensions

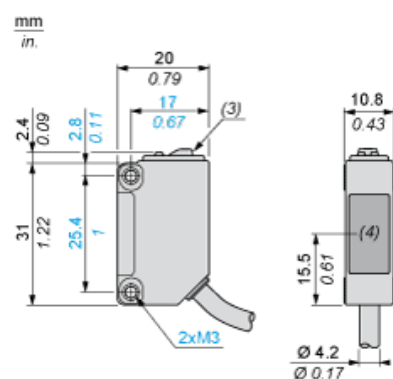(1)   Power supply indicator (orange)
(2)   Transmission

Dimensions

Receiver. Pre-cable Version

Description

Dimensions

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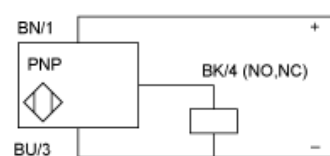(4)   Reception

Connections and Schema

Pre-cabled

(-) : BU (Blue)

(+) : BN (Brown)

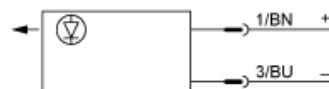OUT/Output : BK (Black)

Connections and Schema

PNP

BN : Brown
BU : Blue
BK : Black

Connections and Schema
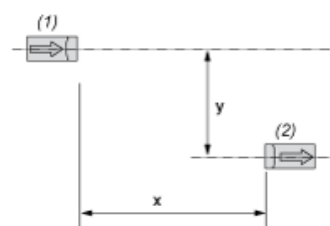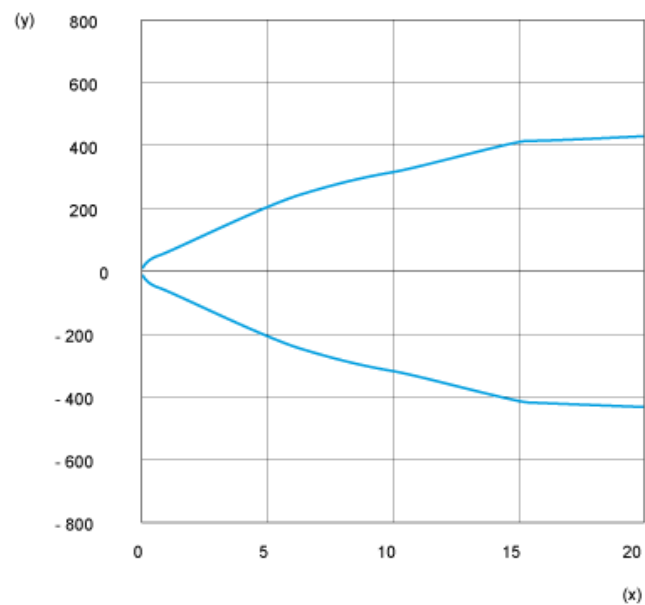
DC Transmitter

BN : Brown
BU : Blue

Telemecanique
Sensors

Mounting and Clearance

Tightening Torque

0.8 Nm *(8.9 lb-in)*

(1)   Base mounting fixing bracket

XUM2APSBL5

Performance Curves

Thru-beam System

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

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Sensors