Product data sheet
Characteristics

XUM9APSBM8
PHOTOELECTRIC SENSOR MINIATURE REFLEX SN 6M PNP CONNECTOR M8

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	Polarised reflex
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	Male connector M8, 4 pins
Emission	Red LED polarised reflex
[Sn] nominal sensing distance	6 m with reflector 50 x 50 mm

Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	Stability: 1 LED (green) Output state: 1 LED (yellow)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…30 V DC
Switching capacity in mA	<= 50 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	0.010 kg

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

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Sensors

Packing Units

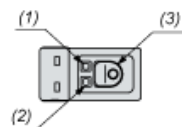|	
Package 1 Weight	10.000 g
Package 1 Height	20.000 mm
Package 1 width	11.000 mm
Package 1 Length	35.000 mm

Offer Sustainability

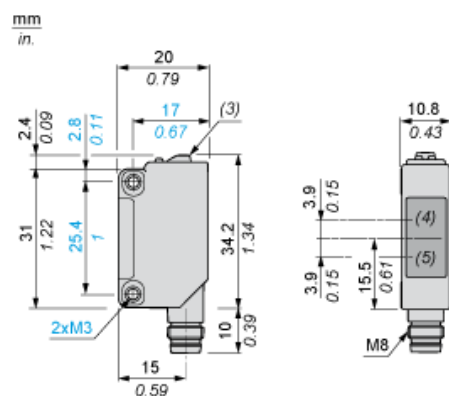|	
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

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Dimensions

Connector Version

Description

Dimensions

$\dfrac{mm}{in.}$

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

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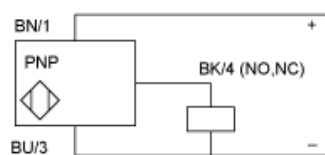## Connections and Schema

M8 Connector
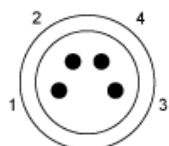
3 :   (-)
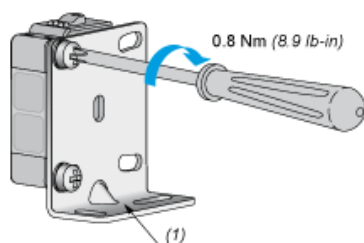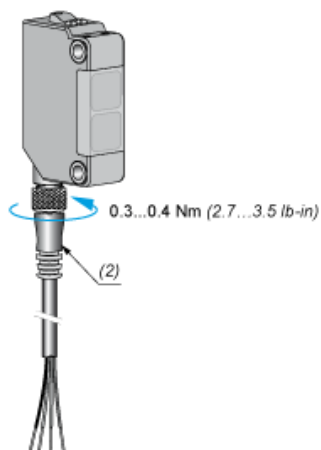1 :   (+)
4 :   OUT/Output

Connections and Schema

PNP

BN : Brown
BU : Blue
BK : Black

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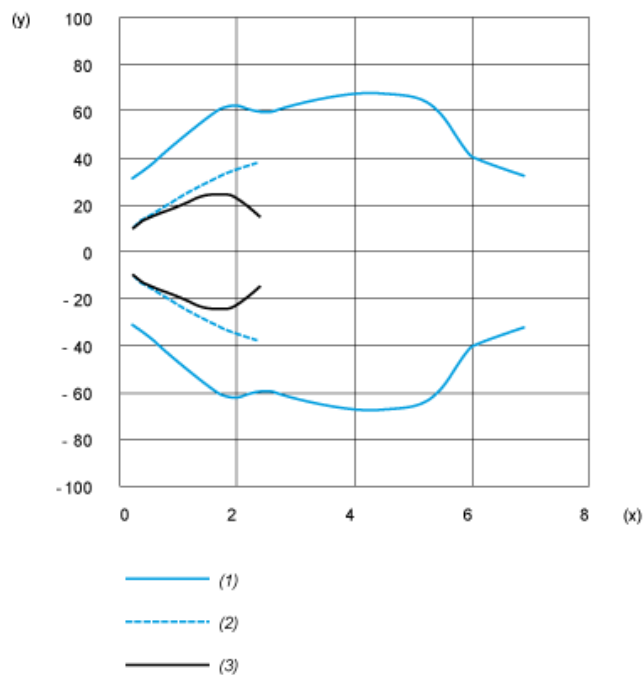---

Tightening Torques

(1)   Base mounting fixing bracket
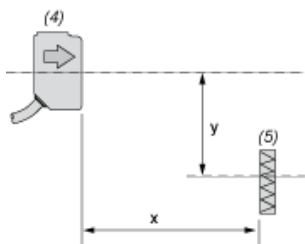

(2)   Pre-wired M8 connector

Performance Curves
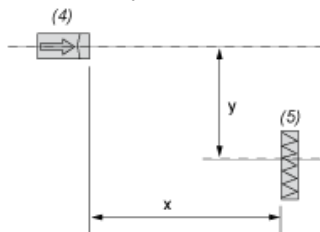
Polarised Reflex System

- (1) With XUZC50 reflector
- (2) With XUZC08 reflector (horizontally placed)
- (3) With XUZC08 reflector (vertically placed)
- (y) Parallel movement in mm
- (x) Distance in m

With Horizontally Placed Reflector

- (4) Sensor
- (5) Reflector

With Vertically Placed Reflector

- (4) Sensor
- (5) Reflector

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