XUM9APSBL5
PHOTOELECTRIC SENSOR MINIATURE REFLEX SN 5M PNP CABLE 5M

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	Cable
Cable length	5 m
Emission	Red LED polarised reflex
[Sn] nominal sensing distance	5 m with reflector 50 x 50 mm

Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (green) for stability 1 LED (orange) for output state
[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	14 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	0.1 kg

Environment

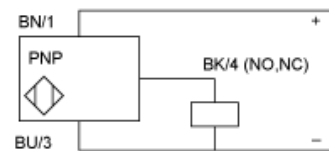|	
Product certifications	CE UL RCM
Ambient air temperature for operation	-30...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	+/- 1.5 mm (f = 10...55 Hz) 2 hours in each direction X, Y and Z conforming to IEC 60068-2-6
Shock resistance	500 m/s² (X, Y, Z directions for 10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

XUM9APSBL5

Dimensions

Pre-cable Version

Description

$\frac{mm}{in.}$

Dimensions

$\frac{mm}{in.}$

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

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Connections and Schema

Pre-cabled

(-) : BU (Blue)

(+) : BN (Brown)

OUT/Output : BK (Black)

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Connections and Schema

PNP

BN : Brown
BU : Blue
BK : Black

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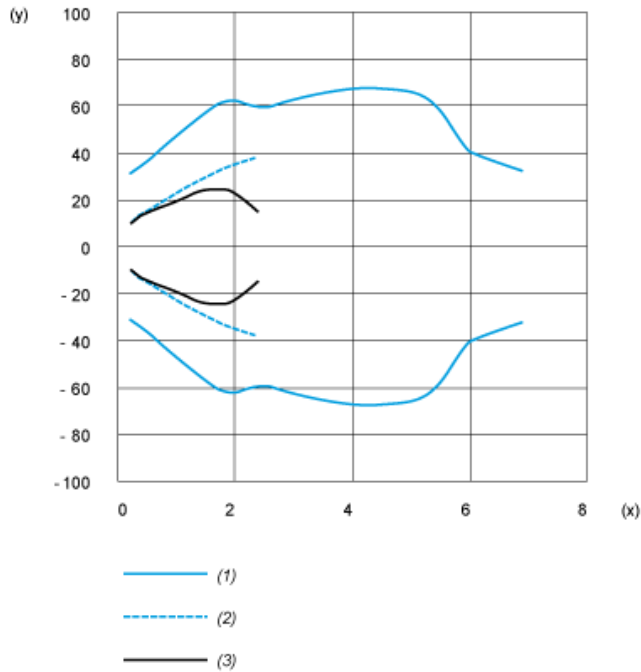

Mounting and Clearance

Tightening Torque
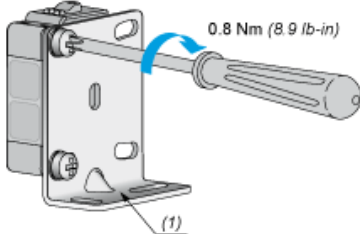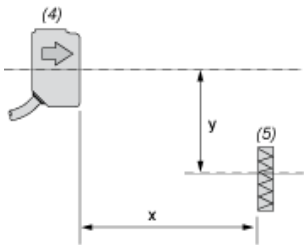

(1)   Base mounting fixing bracket
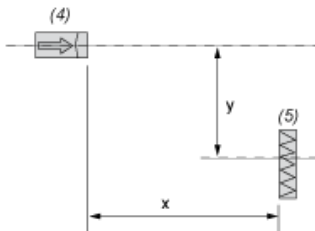
Performance Curves

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