

XUM9ANSBL5

PHOTOELECTRIC SENSOR MINIATURE REFLEX SN 5M NPN 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	NPN
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	Stability: 1 LED (green) Output state: 1 LED (orange)
[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	14 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	0.1 kg

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	RCM UL 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/s ² 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

Packing Units

Package 1 Weight	99.000 g
Package 1 Height	160.000 mm
Package 1 width	40.000 mm
Package 1 Length	110.000 mm

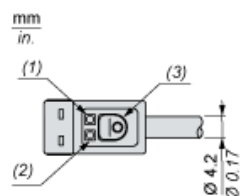
Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

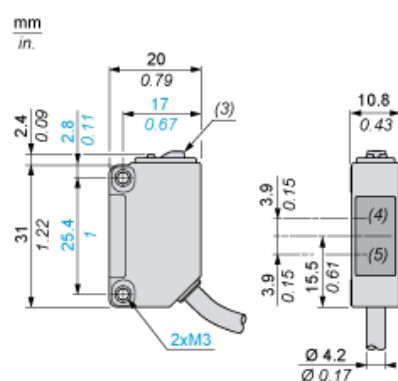
Dimensions

Pre-cable Version

Description



Dimensions



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

Connections and Schema

Pre-cabled

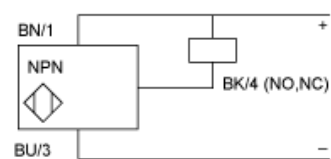
(-) : BU (Blue)

(+) : BN (Brown)

OUT/Output : BK (Black)

Connections and Schema

NPN



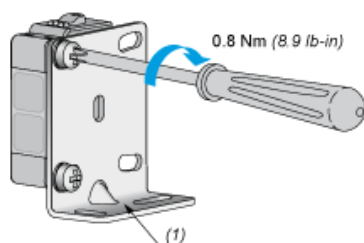
BN : Brown

BU : Blue

BK : Black

Mounting and Clearance

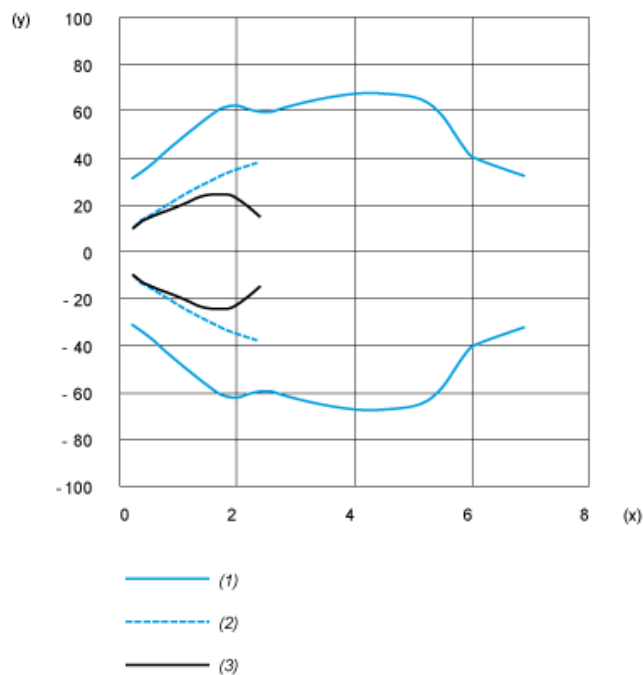
Tightening Torque



(1) Base mounting fixing bracket

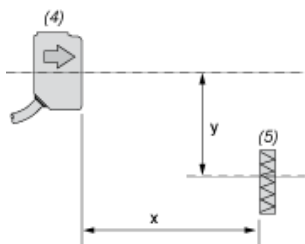
Performance Curves

Polarised Reflex System



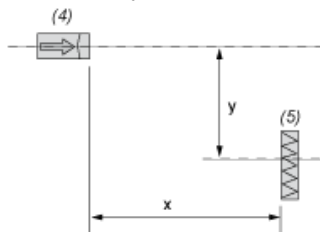
- (1) With XUZC50 reflector
- (2) With XUZC08 reflector (horizontally placed)
- (3) With XUZC08 reflector (vertically placed)
- (y) Parallel movement in mm
- (x) Distance in m

With Horizontally Placed Reflector



- (4) Sensor
- (5) Reflector

With Vertically Placed Reflector



- (4) Sensor
- (5) Reflector