Product data sheet
Characteristics

XUM5ANSBL5
PHOTOELECTRIC SENSOR MINIATURE DIFFUSE SN 1M 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	Diffuse
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	Infrared diffuse
[Sn] nominal sensing distance	1 m

Complementary

Enclosure material	PBT
Lens material	Modified polyarylate
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	17 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

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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.
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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/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

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

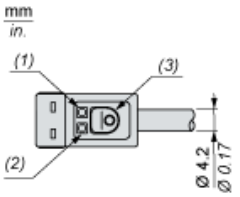
Offer Sustainability

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

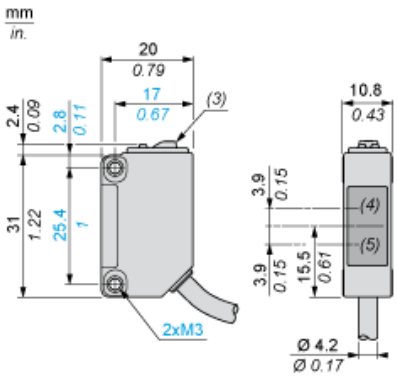
Dimensions

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

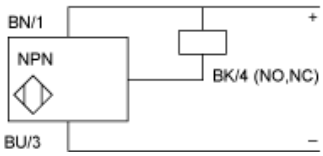
(-) : BU (Blue)

(+) : BN (Brown)

OUT/Output : BK (Black)

Connections and Schema

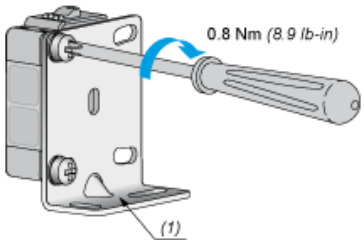
NPN



BN : Brown
BU : Blue
BK : Black

Mounting and Clearance

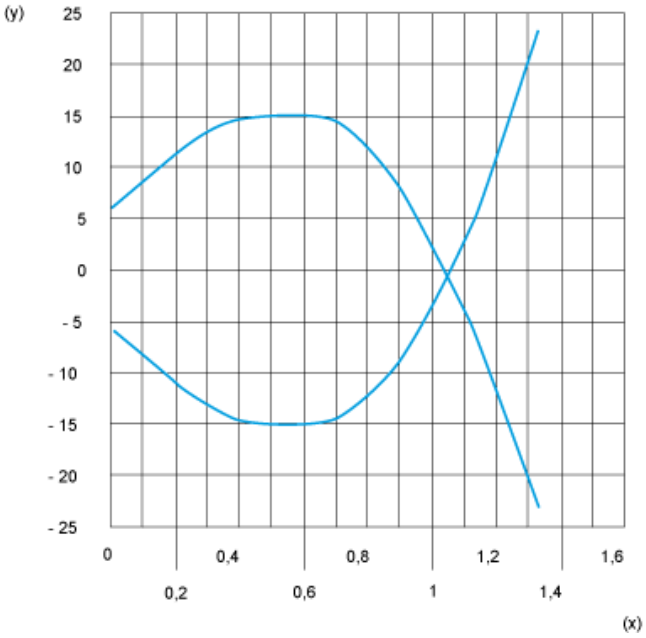
Tightening Torque



(1) Base mounting fixing bracket

Performance Curves

Diffuse System



(y) Detection area in mm
(x) Distance in m