

XUM6APSBM8

PHOTOELECTRIC SENSOR MINIATURE DIFFUSE SN 500MM 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	Diffuse
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 diffuse
[Sn] nominal sensing distance	0.5 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	<= 50 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	0.01 kg

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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/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

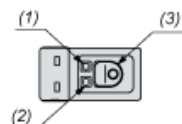
Offer Sustainability

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

Dimensions

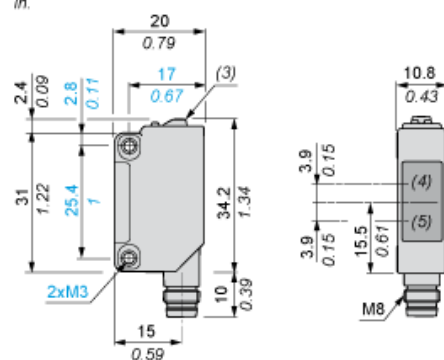
Connector Version

Description



Dimensions

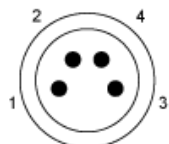
mm
in.



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

Connections and Schema

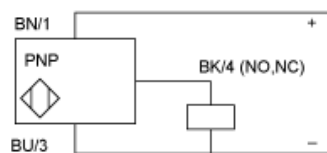
M8 Connector



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

Connections and Schema

PNP



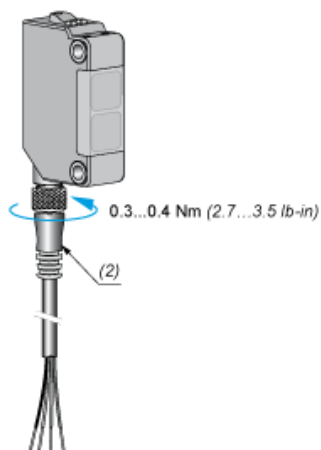
- BN : Brown
- BU : Blue
- BK : Black

Mounting and Clearance

Tightening Torques



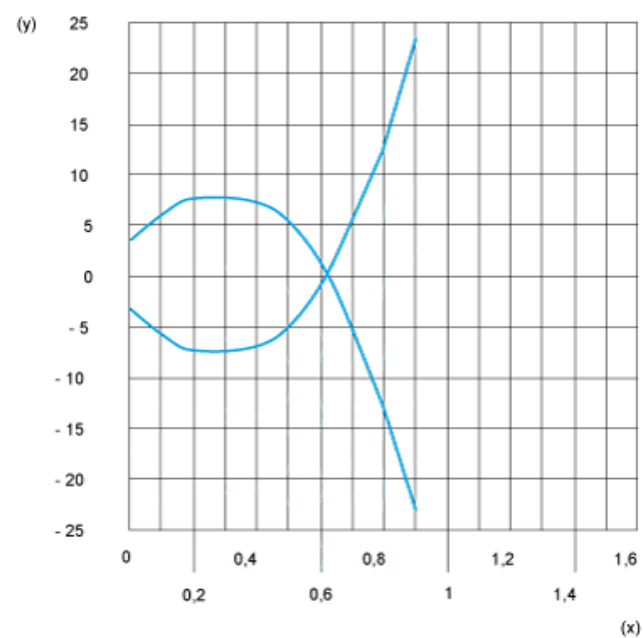
(1) Base mounting fixing bracket



(2) Pre-wired M8 connector

Performance Curves

Diffuse System



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