Product data sheet

Specifications

Photoelectric sensors XU, miniature, reflex, Sn=6 m, PNP, connector M8

XUM9APSBM8

🔴 Discontinued on: 16 January 2023

⚠ Discontinued

Main

Range of product	Telemecanique Photoelectric sensors 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

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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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	7 cm
Package 1 Length	10 cm
Package 1 Weight	17 g
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.053 kg

Offer Sustainability

|	
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

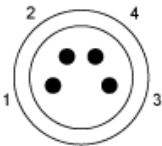## Dimensions

Connector Version

Description

Dimensions

$\dfrac{mm}{in.}$
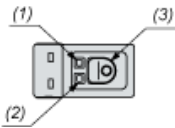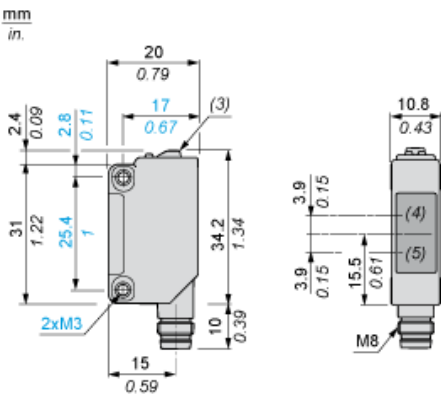
(1) Output indicator (orange)
(2) Stability indicator (green)
(3) Setting pushbutton
(4) Reception
(5) Transmission
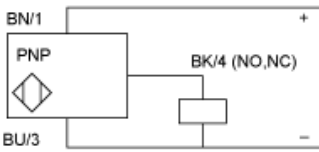
Connections and Schema

M8 Connector

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

Connections and Schema

PNP

BN :	Brown
BU :	Blue
BK :	Black

Mounting and Clearance

Tightening Torques
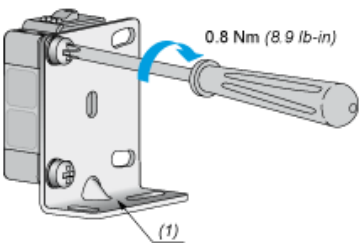
(1)   Base mounting fixing bracket
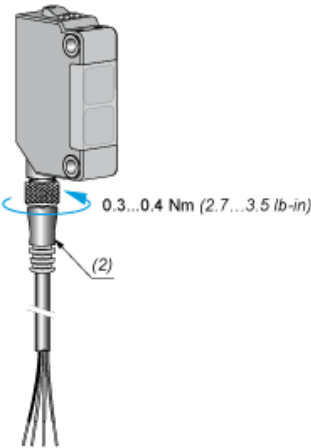
(2)   Pre-wired M8 connector

Performance Curves

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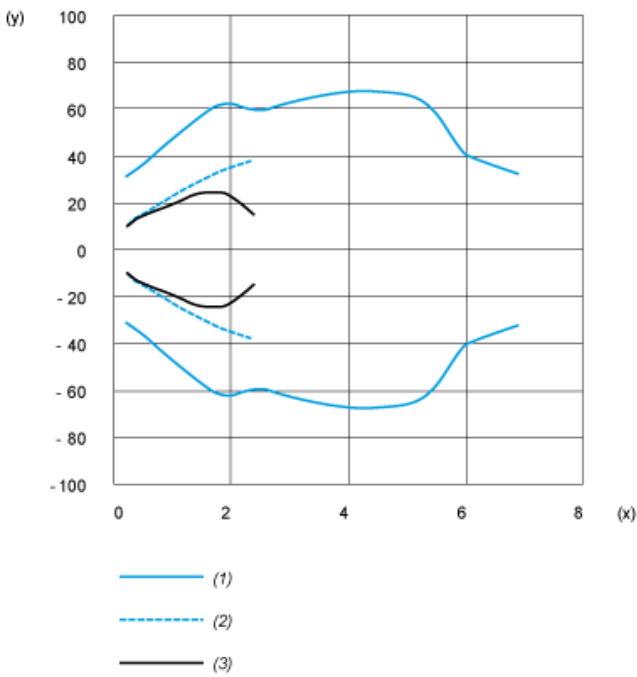
(1)	With XUZC50 reflector
(2)	With XUZC08 reflector (horizontally placed)
(3)	With XUZC08 reflector (vertically placed)
(y)	Parallel movement in mm
(x)	Distance in m

With Horizontally Placed Reflector
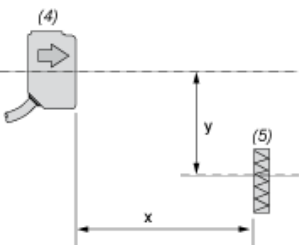
(4)	Sensor
(5)	Reflector

With Vertically Placed Reflector
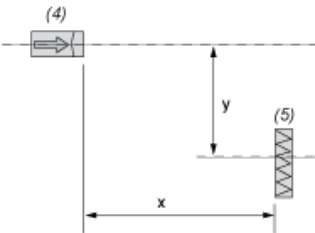
(4)	Sensor
(5)	Reflector

Recommended replacement(s)

XUM9APSBM8 is replaced by:

1x		Photoelectric sensors XU, miniature, polarised, Smax=8 m, PNP, connector M8 XUM9APXBM8