

Product data sheet

Specifications



Photoelectric sensors XU, miniature, thru beam, Sn=15 m, receiver, PNP, connector M8

XUM2APSBM8R

! Discontinued on: 27 April 2022

! Discontinued

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUM
Sensor design	Miniature
Detection system	Thru beam
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
[Sn] nominal sensing distance	15 m need a transmitter XUM2AKSBM8T

Complementary

Enclosure material	PBT
Lens material	Modified polyarylate
Output type	Solid state
Status LED	Stability: 1 LED (green) Output: 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	13 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

Environment

Product certifications	RCM CE UL
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2 cm
Package 1 Width	1.1 cm
Package 1 Length	3.5 cm
Package 1 Weight	10 g

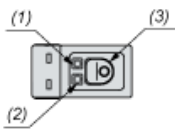
Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
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

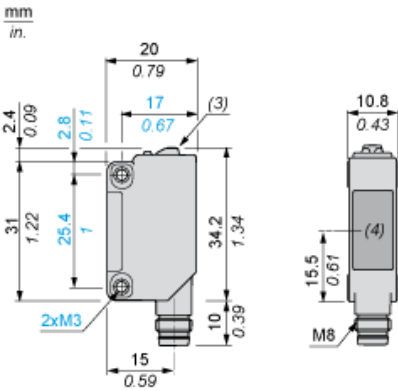
Dimensions

Receiver. Connector Version

Description



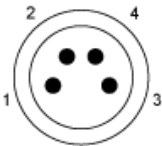
Dimensions



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

Connections and Schema

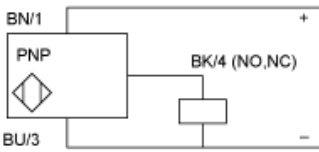
M8 Connector



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

Connections and Schema

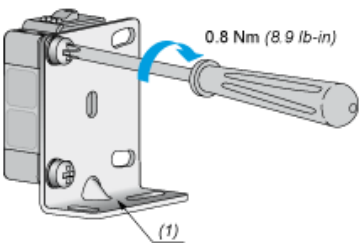
PNP



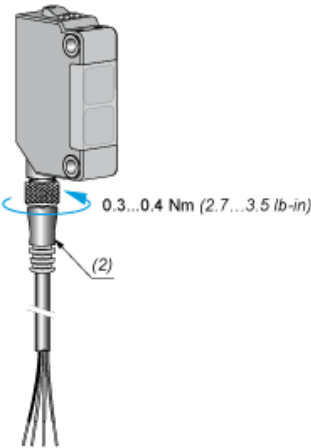
- BN : Brown
- BU : Blue
- BK : Black

Mounting and Clearance

Tightening Torques



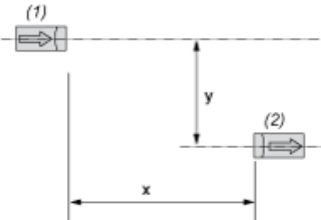
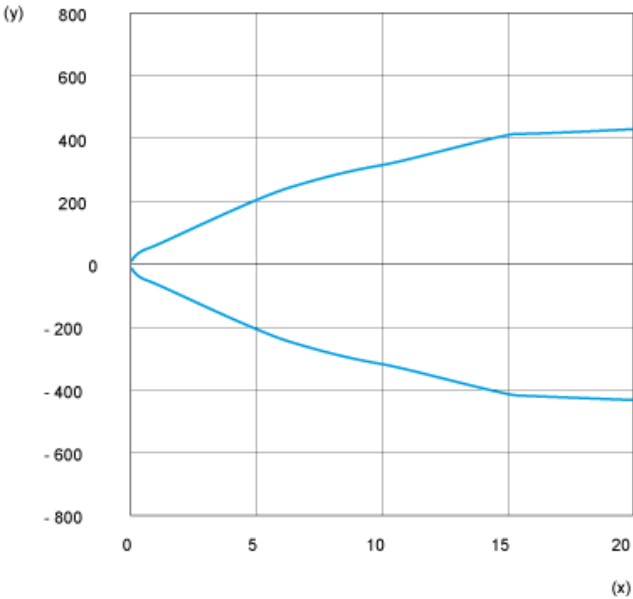
(1) Base mounting fixing bracket



(2) Pre-wired M8 connector

Performance Curves

Thru-beam System



- (1) Transmitter
- (2) Receiver
- (y) Parallel movement in mm
- (x) Distance in m

Recommended replacement(s)

XUM2APSBM8R is replaced by:

1x



Photoelectric sensors XU, miniature, thru beam, Smax=30 m, receiver, PNP, connector M8
XUM2APXBM8R