

XUM2APSBM8

Photoelectric sensors XU, miniature, thru beam, Sn=20 m, PNP, connector M8



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	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	1 male connector M8, 4 pins
Emission	Infrared thru beam
[Sn] nominal sensing distance	20 m

Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Status LED	Transmitter/Supply on: 1 LED (green) Receiver/Output: 1 LED (yellow) Receiver/stability: 1 LED (green)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA with short-circuit protection
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V
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	0.020 kg
Kit composition	Transmitter + receiver

Environment

Product certifications	UL[RETURN]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	1.0 cm
Package 1 Width	6.0 cm
Package 1 Length	13.5 cm
Package 1 Weight	25.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.863 kg

Offer Sustainability

Toxic heavy metal free	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 Diisodecyl 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

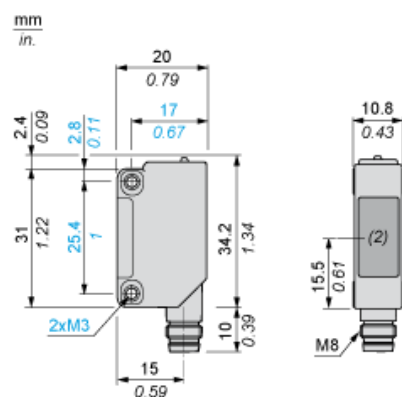
Dimensions

Transmitter. Connector Version

Description



Dimensions

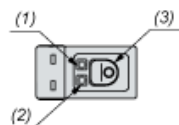


- (1) Power supply indicator (orange)
- (2) Transmission

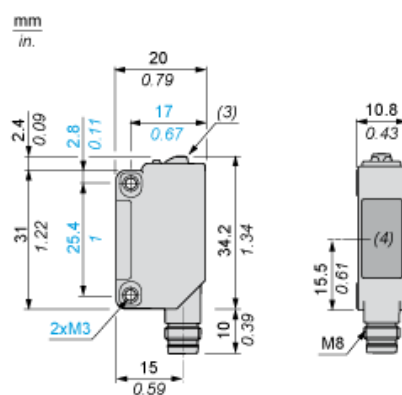
Dimensions

Receiver. Connector Version

Description



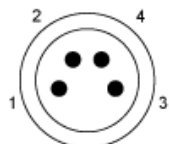
Dimensions



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

Connections and Schema

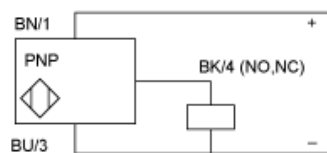
M8 Connector



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

Connections and Schema

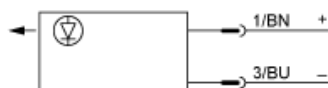
PNP



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

Connections and Schema

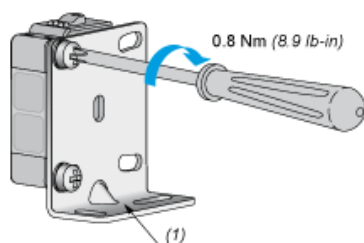
DC Transmitter



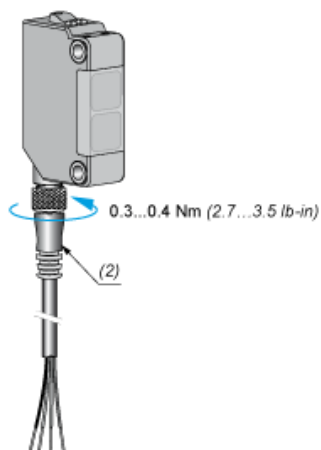
- BN : Brown
- BU : Blue

Mounting and Clearance

Tightening Torques



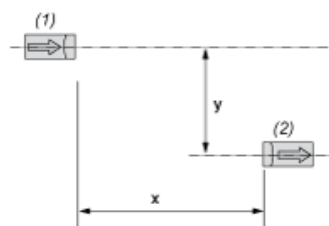
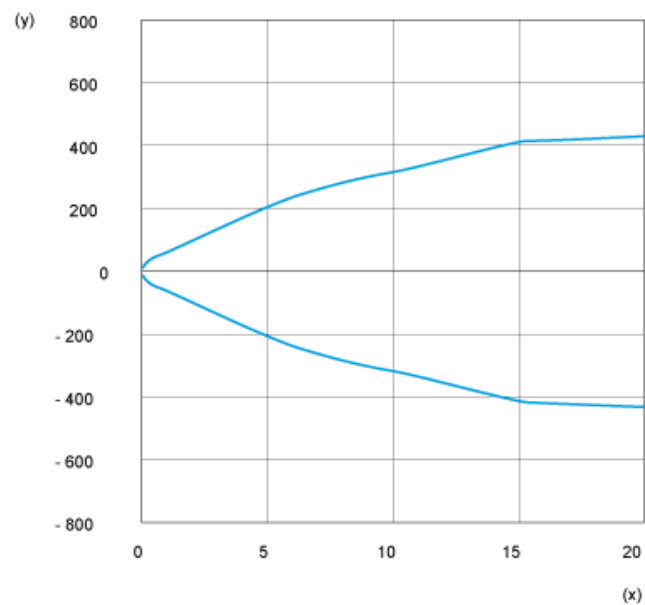
(1) Base mounting fixing bracket



(2) Pre-wired M8 connector

Performance Curves

Thru-beam System



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