Product data sheet
Characteristics

XUM6APSBL5
Photoelectric sensors XU, miniature, diffuse, Sn=500 mm, PNP, cable 5 m

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	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	Cable
Cable length	5 m
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	<= 100 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	0.1 kg

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Environment

Product certifications	UL[RETURN]CE[RETURN]RCM
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	16 cm
Package 1 Width	4 cm
Package 1 Length	11 cm
Package 1 Weight	99 g

Offer Sustainability

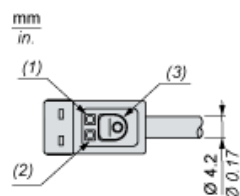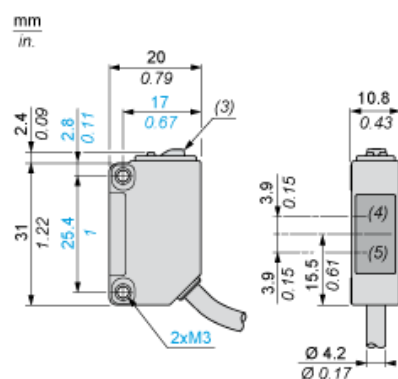|	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

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Dimensions

Pre-cable Version

Description

Dimensions

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

XUM6APSBL5

Connections and Schema
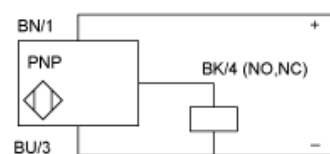
Pre-cabled

(-) : BU (Blue)
(+) : BN (Brown)
OUT/Output : BK (Black)

Connections and Schema

PNP

BN : Brown
BU : Blue
BK : Black

Mounting and Clearance

Tightening Torque
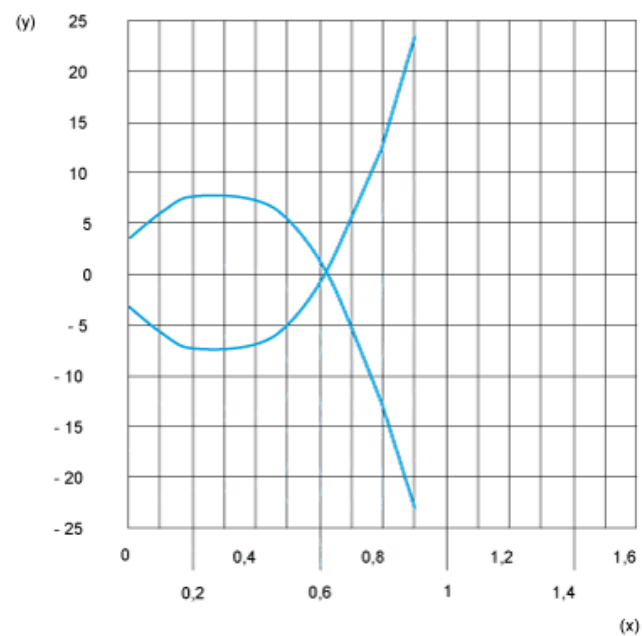

0.8 Nm *(8.9 lb-in)*

(1)   Base mounting fixing bracket

Performance Curves

Diffuse System

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

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