

Product data sheet

XUM8APXBL2

Photoelectric miniature sensor XUM, BGS, Smax 0.3 m, 24 V, cable 2 m, PNP, NO/NC

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Sensor name	XUM
Electronic sensor type	Photo-electric sensor
Sensor design	Miniature
ETIM classification	ETIM 9 - EC001821 - Diffuse reflective photoelectric sensor
Material	Plastic
Lens material	PMMA
Enclosure material	PBT
[Sn] nominal sensing distance	0.20-0.20 m
Maximum sensing distance	0.30 m
Wiring technique	3-wire
Detection system	Diffuse with background suppression
Delay response	0.5 ms
Indivisible sale quantity	1

Complementary

Sensing range	0...30 m
Electrical connection	Cable
Cable length	2 m
Supply voltage limits	10-30 V DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply circuit type	DC
Switching capacity in mA	<= 100 mA with overload and short-circuit protection
Maximum voltage drop	<2 V (closed state)
Current consumption	30 mA no-load
Emission	-
Setting-up	Sensitivity by potentiometer
Status LED	-

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Output type	Solid state
Type of output signal	Discrete
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Switching frequency	1000 Hz
Delay first up	100 ms
Delay recovery	0.5 ms
Height	33 mm
Width	10 mm
Depth	27 mm
Product weight	0.063 kg

Environment

IP degree of protection	IP67 conforming to IEC 60529, IP65 conforming to IEC 60529
Ambient air temperature for storage	-40...70 °C
Shock resistance	100 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27
Vibration resistance	9 gn, amplitude = +/- 1.5 mm (f = 10-500 Hz)for every axis conforming to IEC 60068-2-6
Relative humidity	35-95 %
Immunity to ambient light	40000 lux sunlight, 10000 lux incandescent light

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

Warranty

Warranty	18 months

Packing Units

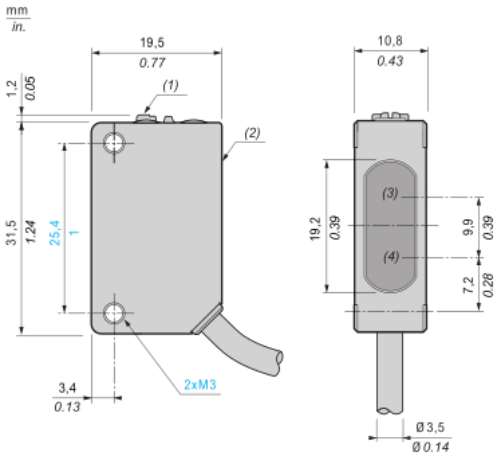
Country of origin	ID (Indonesia) JP (Japan)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916000052
Package 1 height	1.5 cm
Package 1 width	18 cm
Package 1 length	24.5 cm
Package 1 weight	0.063 kg
Unit type of package 2	S04
Number of units in package 2	160

New Package 2 GTIN 14	13666916000059
Package 2 height	30 cm
Package 2 width	40 cm
Package 2 length	60 cm
Package 2 weight	9.83 kg
New Package 3 GTIN 14	23666916000056

Technical Drawings

Dimensions

Dimensions

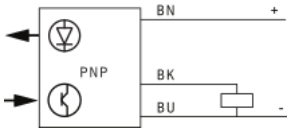


(1) :
(2) :
(3) :
(4) :

Connection and schema

Connection and schema

Wiring diagram

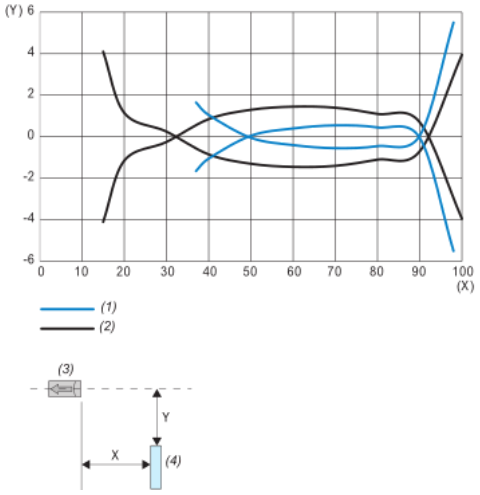


BN (Brown) :
BK (Black) :
BU (Blue) :

Detection curves

Detection curves

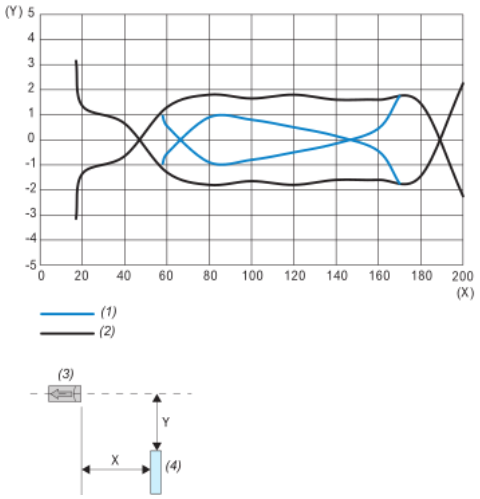
Lateral displacement (preset 100 mm)



(1) :
(2) :
(3) :
(4) :
(X) :
(Y) :

Detection curves

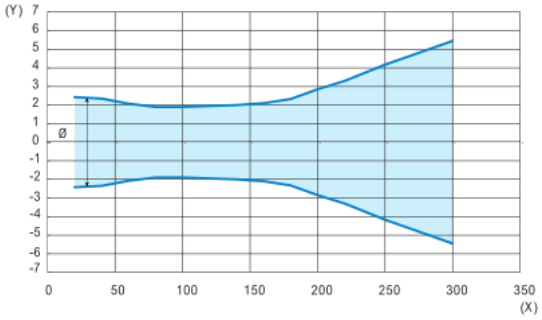
Lateral displacement (preset 200 mm)



(1) :
(2) :
(3) :
(4) :
(X) :
(Y) :

Detection curves

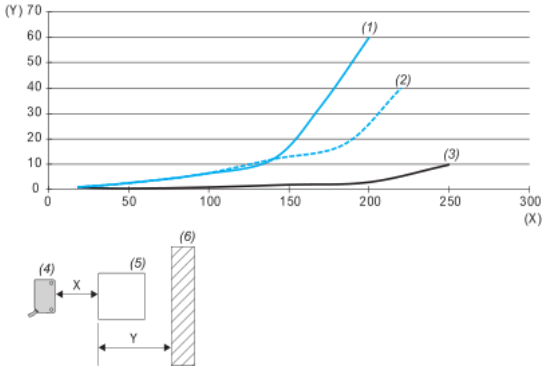
Light beam diameter



(X) :
(Y) :

Detection curves

Minimum distance between the object to detect and white background



(1) :
(2) :
(3) :
(4) :
(5) :
(6) :
(X) :
(Y) :