

Product data sheet

Specifications



Photoelectric sensors XU, XUM, diffuse, Sn 1 m, 12...24 VDC, cable 2 m

XUM5APCNL2

⚠ 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	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	2 m
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	1 m diffuse

Complementary

Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state 1 LED (red) for instability
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz

Maximum voltage drop	<1.5 V (closed state)
Current consumption	35 mA no-load
Maximum delay first up	30 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment
Depth	27 mm
Height	38 mm
Width	12 mm
Net weight	0.08 kg

Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 double insulation conforming to IEC 60529 IP65 double insulation 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	14.0 cm
Package 1 Length	14.0 cm
Package 1 Weight	63.0 g
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Height	1.5 cm
Package 2 Width	15.0 cm
Package 2 Length	15.0 cm
Package 2 Weight	63.0 g
Unit Type of Package 3	S01
Number of Units in Package 3	30
Package 3 Height	15.0 cm
Package 3 Width	15.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	2.038 kg

Offer Sustainability

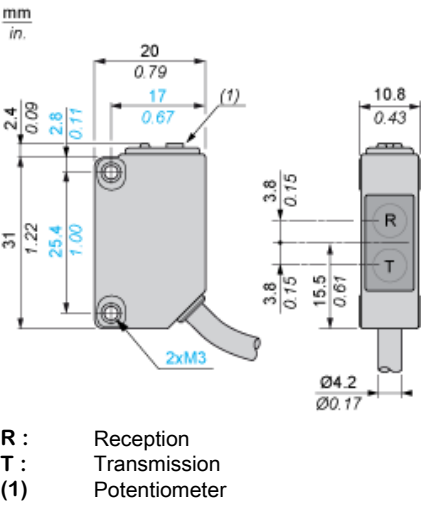
REACH Regulation	REACH Declaration
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
California proposition 65	WARNING: This product can expose you to chemicals 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

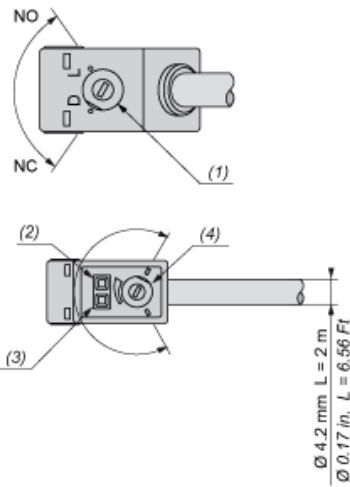
Contractual warranty

Warranty	18 months
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Dimensions



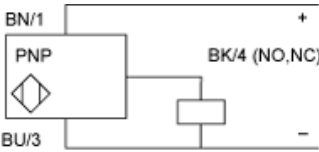
Mounting and Clearance



- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED
- (4) Adjustment potentiometer

Connections and Schemes

PNP



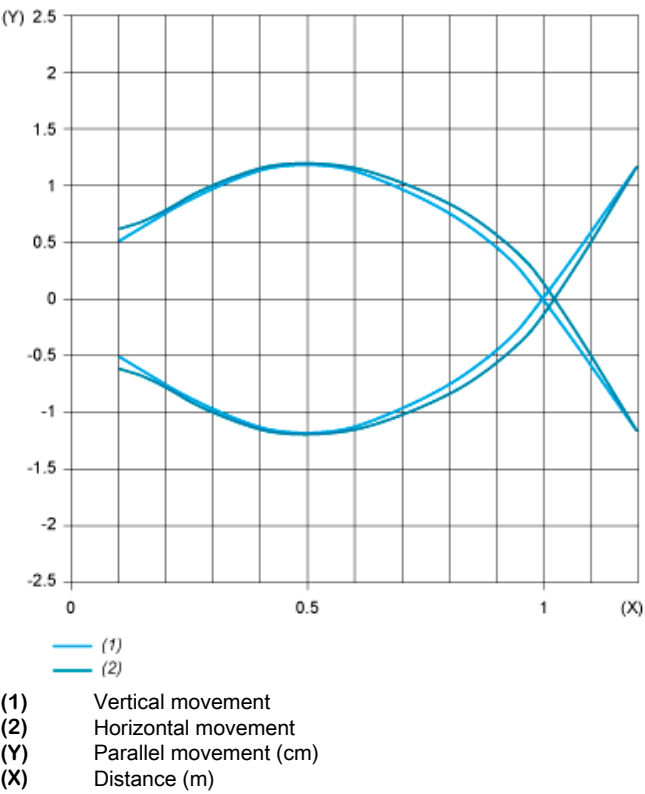
- BN :

Brown
- BU :

Blue
- BK :

Black

Detection Curves



Recommended replacement(s)

XUM5APCNL2 is replaced by:

1x		Photoelectric sensors XU, miniature, diffuse long, Smax=1.9 m, PNP, cable 2 m XUM5APXBL2
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