

Product data sheet

Specifications



Photoelectric sensors XU, XUM, polarised, Sn 5 m, 12...24 VDC, M8

XUM9APCNM8

 **Discontinued on:** Jan 16, 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	Polarised reflex
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
Product Specific Application	-
Emission	Red polarised reflex
[Sn] Nominal Sensing Distance	5 m polarised reflex need reflector XUZC50

Complementary

Enclosure Material	PBT
Lens Material	PMMA
Output Type	Solid state
Wire Insulation Material	PVC
Status Led	1 LED (green) for instability 1 LED (orange) for output state
[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 (overload and short-circuit protection)
Switching Frequency	<= 1000 Hz
Maximum Voltage Drop	<2 V (closed state)
Current Consumption	<= 10 mA no-load
Maximum Delay First Up	100 ms

Disclaimer: 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

Maximum Delay Response	1 ms
Maximum Delay Recovery	0.5 ms
Setting-Up	Sensitivity adjustment by potentiometer
Depth	20 mm
Height	33 mm
Length	11 mm
Width	11 mm
Net Weight	0.02 kg

Environment

Product Certifications	cURus CE
Ambient Air Temperature For Operation	-25...55 °C
Ambient Air Temperature For Storage	-30...70 °C
Immunity To Ambient Light	3000 lux natural light 3000 lux incandescent light
Vibration Resistance	20 gn, amplitude = +/- 1.5 mm (f = 10...500 Hz) conforming to IEC 60068-2-6
Shock Resistance	50 gn (duration = 11 ms) 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	1.5 cm
Package 1 Width	7.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	12.0 g

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

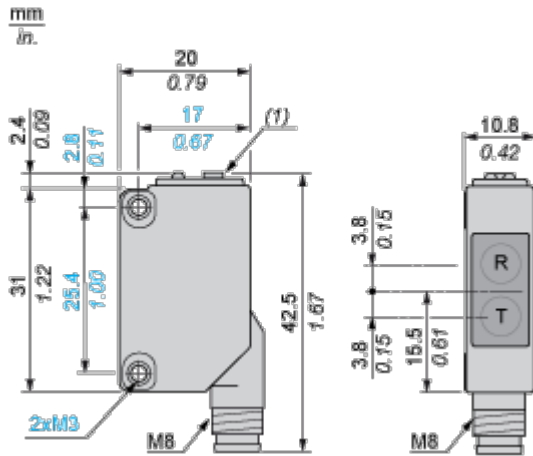
[Guide to assess a product's sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

Dimensions Drawings

Dimensions



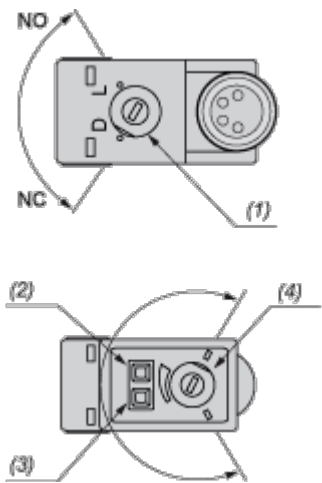
R : Reception

T: Transmission

(1) Potentiometer

Mounting and Clearance

Mounting and Clearance

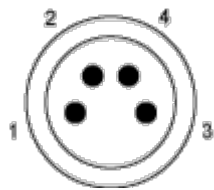


- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED
- (4) Adjustment potentiometer

Connections and Schema

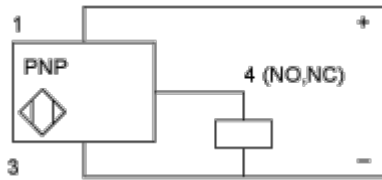
Connections and Schemes

M8 Connector



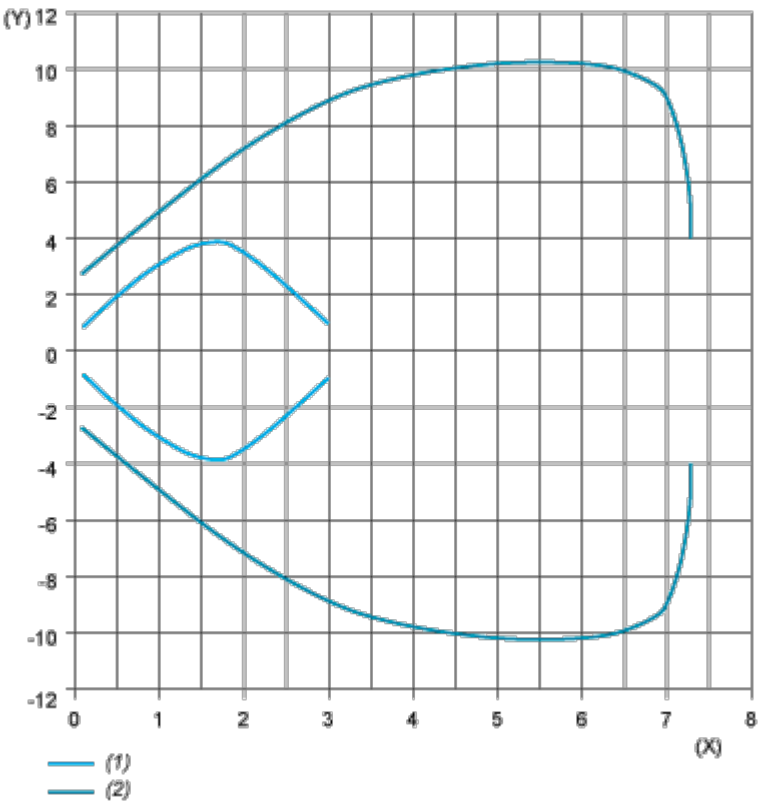
- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP



Performance Curves

Detection Curves



- (1) XUZY08
- (2) XUZY50
- (Y) Parallel movement (cm)
- (X) Distance (m)