Product data sheet

Specifications

Photoelectric sensors XU, XUM, polarised, Sn 5 m, 12...24 VDC, cable 2 m

XUM9APCNL2

⚠ 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	Cable
Cable Length	2 m
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
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	0.063 kg

Environment

Product Certifications	CE cURus
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	15.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	60.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	30
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.025 kg
Unit Type Of Package 3	PAL
Number Of Units In Package 3	960
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	960.0 cm
Package 3 Weight	60.48 kg

Contractual warranty

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Warranty   18 months

Sustainability

Green Premium^{TM} 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-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
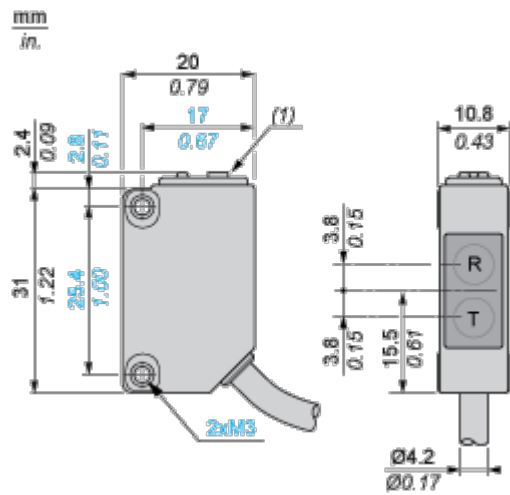
Learn more about Green Premium ⟩

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 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
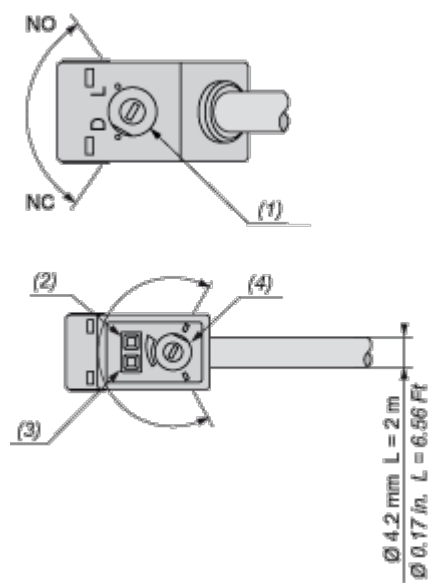

Dimensions Drawings

Dimensions

R :   Reception

T :   Transmission

(1)   Potentiometer

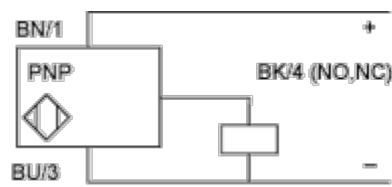Mounting and Clearance

Mounting and Clearance

(1)   Configuration switch

(2)   Output state LED

(3)   Stability and power on LED

(4)   Adjustment potentiometer
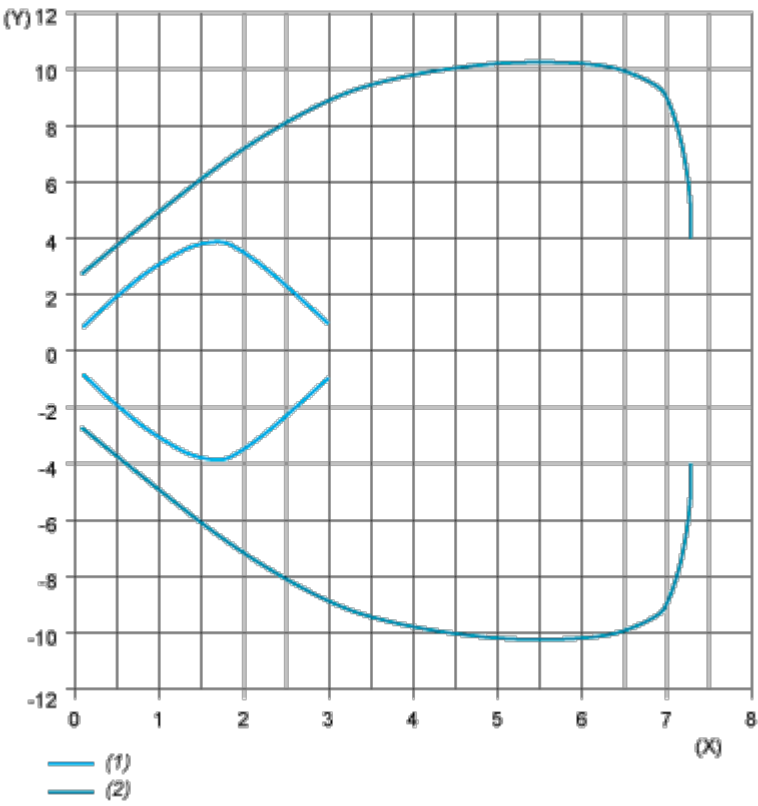
Connections and Schema

Connections and Schemes

PNP

BN :   Brown

BU :   Blue

BK :   Black

Performance Curves

Detection Curves

(1)   XUZC08

(2)   XUZC50

(Y)   Parallel movement (cm)

(X)   Distance (m)