

Product data sheet

Specifications



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

XUM9APCNM8

ⓘ 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	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
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

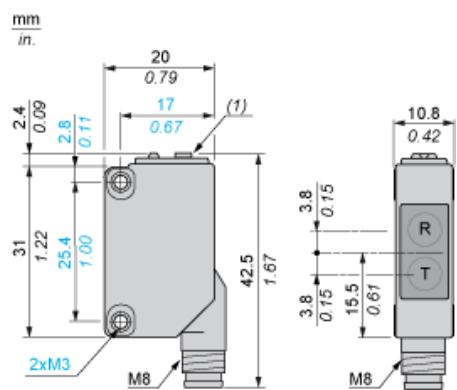
Offer Sustainability

REACH Regulation	REACH Declaration
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: Diisobutyl 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

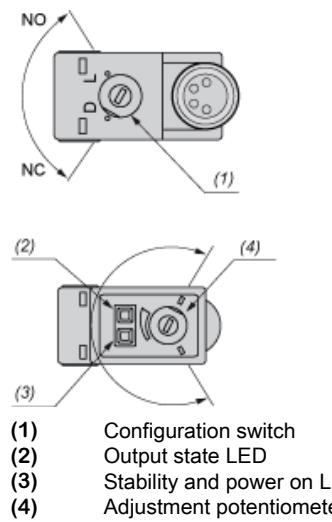
Contractual warranty

Warranty	18 months
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Dimensions

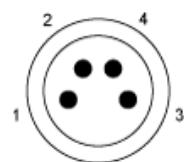


Mounting and Clearance



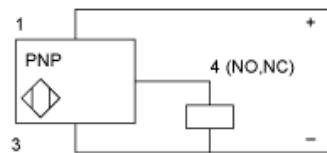
Connections and Schemes

M8 Connector

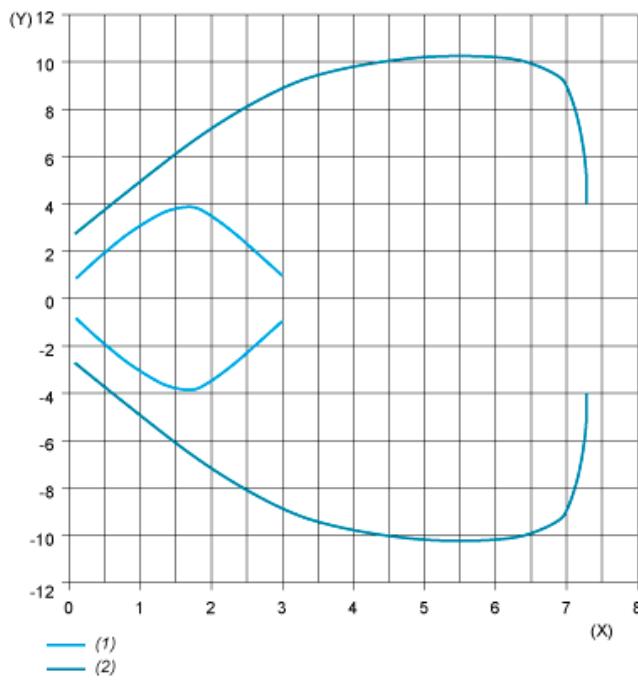


1 : (+)
3 : (-)
4 : OUT/Output

PNP



Detection Curves



(1) XUZC08
(2) XUZC50
(Y) Parallel movement (cm)
(X) Distance (m)

Recommended replacement(s)

XUM9APCNM8 is replaced by:

1x



Photoelectric sensors XU, miniature, polarised, Smax=8 m, PNP, connector M8
XUM9APXBM8