

# Product data sheet

Specifications



## Photoelectric sensors XU, 24 VDC PNP 1 NO / 1 NC

XUN0APSNM12

### Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	American form
Detection system	Multimode
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 M12, 4 pins
Product specific application	-
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	3 m polarised reflex need reflector XUZC50 0.12 m diffuse with background suppression 0.3 m diffuse 20 m thru beam need a transmitter XUN0SKSNM12T

### Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	0.12 m diffuse with background suppression 0.4 m diffuse 30 m thru beam 4.5 m polarised reflex
Output type	Solid state
Add on output	With alarm output, <= 50 mA with overload and short-circuit protection
Status LED	1 LED (green) for supply 1 LED (red) for instability 1 LED (yellow) for output state

<b>[Us] rated supply voltage</b>	12...24 V DC with reverse polarity protection
<b>Supply voltage limits</b>	10...36 V DC
<b>Switching capacity in mA</b>	<= 100 mA (overload and short-circuit protection)
<b>Switching frequency</b>	<= 250 Hz
<b>Maximum voltage drop</b>	<1.5 V (closed state)
<b>Current consumption</b>	<= 35 mA no-load
<b>Maximum delay first up</b>	200 ms
<b>Maximum delay response</b>	2 ms
<b>Maximum delay recovery</b>	2 ms
<b>Setting-up</b>	Self-teaching
<b>Diameter</b>	18 mm
<b>Depth</b>	66 mm
<b>Height</b>	45 mm
<b>Width</b>	18 mm
<b>Product weight</b>	0.09 kg

## Environment

<b>Product certifications</b>	CE UL CSA
<b>Ambient air temperature for operation</b>	-25...55 °C
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Vibration resistance</b>	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
<b>IP degree of protection</b>	IP65 double insulation conforming to IEC 60529

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.412 cm
<b>Package 1 Width</b>	8.412 cm
<b>Package 1 Length</b>	8.412 cm
<b>Package 1 Weight</b>	58.967 g

## Offer Sustainability

<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Not applicable, out of EU RoHS legal scope
<b>California proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Recommended replacement(s)