

# Product datasheet

Specifications



photo-electric sensor - XUX -  
polarised - Sn 11m - 24..240VAC/  
DC - terminals

XUX9ARCNT16

## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	5-wire
Discrete output function	1 C/O
Electrical connection	Screw-clamp terminals, 1 x 1.5 mm² or 1 x 0.75 mm² with adaptor
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	11 m polarised reflex need reflector XUZC50

## Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	15 m polarised reflex
Output type	Relay
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 7...10 mm
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC
Switching capacity in mA	3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) 0.5 A (cos φ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	<= 20 Hz
Maximum voltage drop	<1.5 V (closed state)

Current consumption	<= 35 mA no-load
Maximum power consumption in W	2 W AC/DC
Maximum delay first up	60 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Setting-up	Sensitivity adjustment
Electrical durability	500000 cycles, cos f = 1, operating rate <60 cyc/mn at 250 V 500000 cycles, cos f = 0.4, operating rate <60 cyc/mn at 250 V
Depth	77 mm
Height	92 mm
Width	31 mm
Net weight	0.2 kg

## Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...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

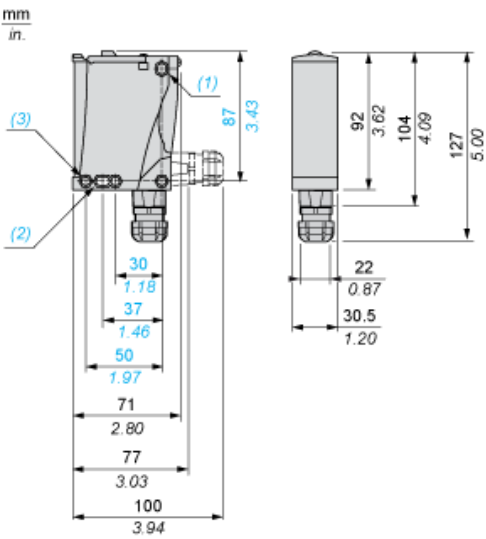
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.4 cm
Package 1 Width	9.8 cm
Package 1 Length	13.0 cm
Package 1 Weight	196.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.874 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
<b>Contractual warranty</b>	
Warranty	18 months

Dimensions



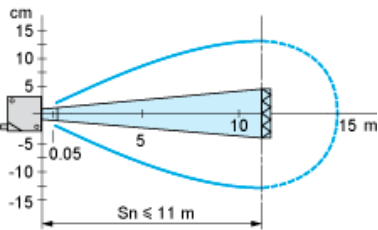
- (1) Elongated hole Ø 5.5 x 7
- (2) Elongated hole Ø 5.5 x 9
- (3) Ø 5.5 hole

Wiring Schemes

Relay Output AC/DC

Terminals		
1		AC/DC
2		AC/DC
3		NO
4		Relay common
5		NC

Detection Curves



With reflector XUZC50

Recommended replacement(s)