

Product datasheet

Specifications



photo-electric sensor - XUX - diffuse
- Sn 2.1m - 24..240VAC/DC -
terminals

XUX5ARCNT16

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 Diffuse

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 Infrared diffuse

[Sn] nominal sensing distance 2.1 m diffuse

Complementary

Enclosure material PBT

Lens material PMMA

Maximum sensing distance 3 m diffuse

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 (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)

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	4.2 cm
Package 1 Width	9.2 cm
Package 1 Length	13.3 cm
Package 1 Weight	200.0 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	4.71 kg

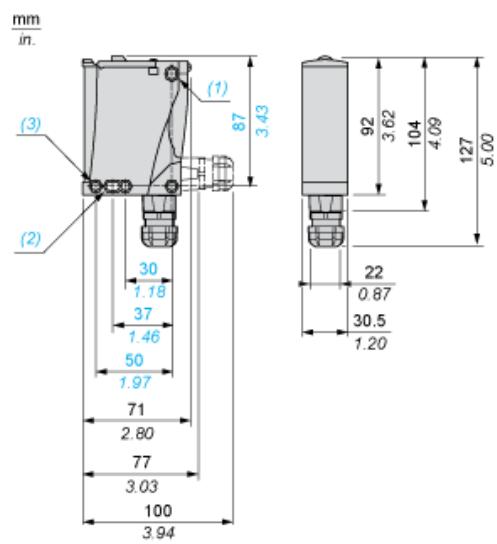
Offer Sustainability

Sustainable offer status	Green Premium product
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

Contractual warranty**Warranty**

18 months

Dimensions



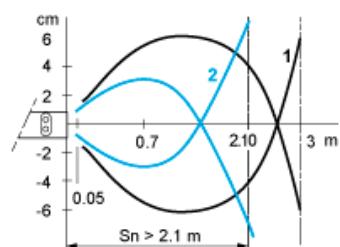
- (1) Elongated hole Ø 5.5 x 7
- (2) Elongated hole Ø 5.5 x 9
- (3) Ø 5.5 hole

Wiring Schemes

Relay Output AC/DC

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

Detection Curves



1 : White 90%

2 : Grey 18%

Object 10 x 10 cm

Recommended replacement(s)