Product data sheet
Characteristics

XUX9ARCNM12
photo-electric sensor - XUX - polarised - Sn 11m - 24..110VAC/DC - M12

Main

Range of product	OsiSense 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	4-wire
Discrete output function	1 C/O
Electrical connection	1 male connector M12, 4 pins
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
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	24...120 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 150 V) 0.5 A (cos φ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 150 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 = 0.4, operating rate <60 cyc/mn at 150 V 500000 cycles, cos f = 1, operating rate <60 cyc/mn at 150 V
Depth	77 mm
Height	92 mm
Width	31 mm

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product certifications	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 Weight	198 g
Package 1 Height	4.2 cm
Package 1 width	9.5 cm
Package 1 Length	13 cm
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	4.762 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

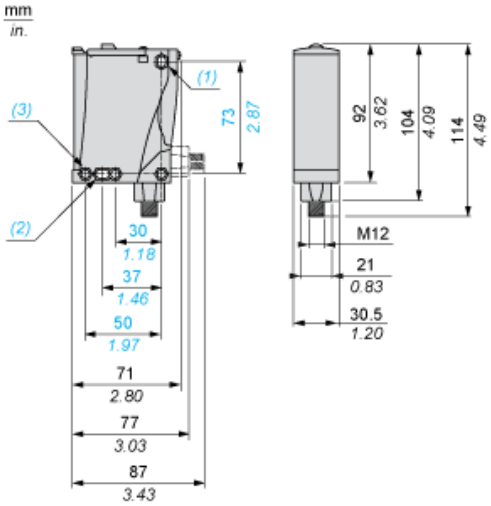
Offer Sustainability

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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

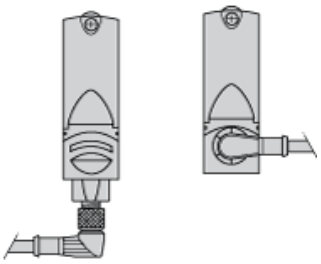
Dimensions



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

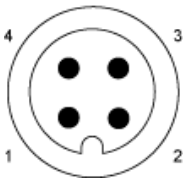
Mounting and Clearance

Possible Orientation of Elbowed Connector (Rear View)



Wiring Schemes

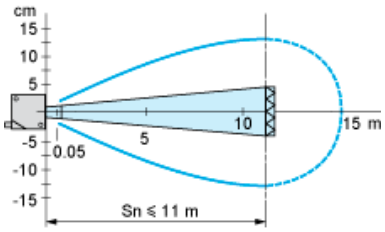
M12 Connector



PNP/NPN DC

M12		Terminals		
1	●	1	⊘	+
3	●	2	⊘	-
4	●	3	⊘	Output

Detection Curves



With reflector XUZC50