

XUK5APBNM12

photo-electric sensor - XUK - diffuse - Sn 1m -
12..24VDC - M12



Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	1 m diffuse

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	1.5 m diffuse
Output type	Solid state
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.19 kg

Environment

Product certifications	CSA UL 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	IP65 double insulation conforming to IEC 60529

Packing Units

Package 1 Weight	0.058 kg
Package 1 Height	0.420 dm
Package 1 width	0.960 dm
Package 1 Length	0.660 dm

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
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Dimensions



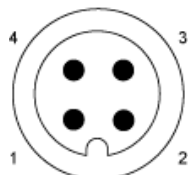
Mounting and Clearance

Possible Orientation of Elbowed Connector



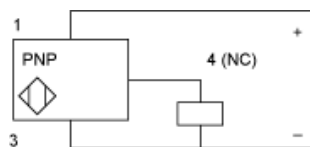
Wiring Schemes

M12 Connector

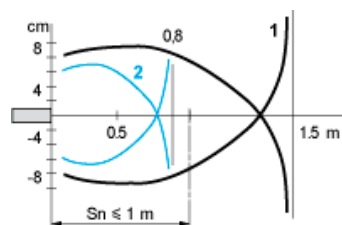


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP Outputs



Detection Curves



1 : White 90%
2 : Grey 18%
Object 10 x 10 cm