

Product datasheet

Characteristics

XUK5ARCNL2

photo-electric sensor - XUK - diffuse - Sn 1m - 24..240VAC/DC - cable 2m



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	AC/DC
Wiring technique	5-wire
Discrete output function	1 C/O
Electrical connection	Cable
Cable length	2 m
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	1 m diffuse

Disclaimer: 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

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	1.5 m diffuse
Output type	Relay
Cable composition	5 x 0.34 mm ²
Wire insulation material	PVC
Cable outer diameter	6 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 ($\cos \phi = 1$ for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	≤ 20 Hz
Current consumption	≤ 35 mA no-load
Maximum power consumption in W	2 W AC
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
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.035 kg

Environment

Product certifications	Ecolab 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	0.184 kg
Package 1 Height	0.420 dm
Package 1 width	0.950 dm
Package 1 Length	1.320 dm

Offer Sustainability

Sustainable offer status	Green Premium product
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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