

# XUK0ARCTL2

photoelectric sensor - universal - Sn 0..30 m -  
NO or NC - cable 2m



## Main

Range of product	OsiSense XU
Series name	Universal
Specific application of photoelectric detector	Object
Sensor name	XUK
Sensor design	Compact 50 x 50
Material	Plastic
Detection system	Diffuse Diffuse with background suppression Polarised reflex Thru beam
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	0,28 m diffuse with background suppression 0,8 m diffuse 4 m polarised reflex 30 m thru beam
Wiring technique	5 wires
Type of output signal	Discrete
Discrete output function	1 NO or 1 NC programmable
Add on output	With alarm output $\leq 50$ mA overload and short-circuit protection
Electrical connection	Cable
Cable length	2 m
Wire insulation material	PvR
[Us] rated supply voltage	12...240 V DC 24...240 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
Time delay range	0...10 s monostable, on-delay or off-delay (programmable)

## Complementary

Electronic sensor type	Photo-electric sensor
Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	0,28 m diffuse with background suppression 1,2 m diffuse 5,7 m polarised reflex 35 m thru beam
Output type	Relay
Status LED	1 LED yellow output state 1 LED green supply 1 LED red instability
Supply circuit type	AC/DC
Supply voltage limits	10...264 V DC 20...264 V AC
Switching frequency	$\leq 20$ Hz
Voltage drop	$\leq 1,5$ V closed state
Power consumption in W	3 W AC/DC
Delay first up	$< 200$ ms

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Delay response	< 25 ms
Delay recovery	< 25 ms
Setting-up	Self-teaching
Depth	18 mm
Height	50 mm
Width	50 mm
Product weight	0,175 kg

## Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 double insulation IEC 60529
RoHS EUR conformity date	0903
RoHS EUR status	Compliant