

Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Multimode
Material	Plastic
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	5-wire
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	10 m
Product specific application	-
Emission	Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse
[Sn] nominal sensing distance	30 m thru beam need a transmitter XUK0ARCTL10T 4 m polarised reflex need reflector XUZC50 0.8 m diffuse 0.28 m diffuse with background suppression

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	5.7 m polarised reflex 1.2 m diffuse 0.28 m diffuse with background suppression 35 m thru beam
Output type	Relay
Add on output	Without, <= 50 mA with overload and short-circuit protection
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	24...240 V DC 24...240 V AC
Supply voltage limits	20...264 V DC 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
Voltage drop	<= 1.5 V (closed state)
Power consumption in W	3 W AC/DC
Time delay range	0...10 s monostable, on-delay or off-delay (programmable) delay
Delay first up	< 300 ms
Delay response	< 25 ms
Delay recovery	< 25 ms
Setting-up	Self-teaching

Electrical durability	500000 cycles, $\cos \phi = 1$, 60 cyc/mn at 250 V
Depth	18 mm
Height	50 mm
Width	50 mm

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, 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

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0903

Contractual warranty

Period	18 months
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