

XUK8ARCTL2

photo-electric sensor - XUK - diffuse - Sn 0.7m -
24..240VAC/DC - 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 with background suppression
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 with background suppression
[Sn] nominal sensing distance	0.75 m diffuse with background suppression

Complementary

Enclosure material	PC
Lens material	PMMA
Maximum sensing distance	0.75 m diffuse with background suppression
Output type	Relay
Add on output	Without, <= 50 mA with overload and short-circuit protection
Cable composition	5 x 0.34 mm ²
Wire insulation material	PVC
Cable outer diameter	6 mm
Status LED	1 LED (green) for supply on 1 LED (red) for alignment assistance 1 LED (yellow) for output state
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC 20...264 V DC
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
Delay first up	< 300 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Self-teaching
Electrical durability	500000 cycles, cos φ = 0.4, 60 cyc/mn at 250 V 500000 cycles, cos φ = 1, 60 cyc/mn at 250 V
Depth	18 mm
Height	50 mm
Width	50 mm
Product weight	0.19 kg

Environment

Product certifications	CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...70 °C
Vibration resistance	7 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP30 (with cover open) conforming to IEC 60529 IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 12 double insulation conforming to IEC 60529 NEMA 13 double insulation conforming to IEC 60529 NEMA 4X (indoor use) conforming to IEC 60529