



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	DC
Wiring technique	4-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Emission	Red diffuse with background suppression
[Sn] nominal sensing distance	1.2 m diffuse with background suppression

Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	1.2 m diffuse with background suppression
Output type	Solid state
Add on output	Without
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/yellow) for supply on/output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...36 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz

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

Voltage drop	<= 2.4 V (closed state)
Current consumption	<= 30 mA (no-load)
Delay first up	< 300 ms
Delay response	< 0.8 ms
Delay recovery	< 0.8 ms
Setting-up	Using teach button or remote teaching
Depth	50 mm
Height	50 mm
Width	23 mm
Product weight	0.035 kg

Environment

Product certifications	CE Ecolab cULus
Ambient air temperature for operation	-20...50 °C, UL certified -20...60 °C
Ambient air temperature for storage	-20...80 °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	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050