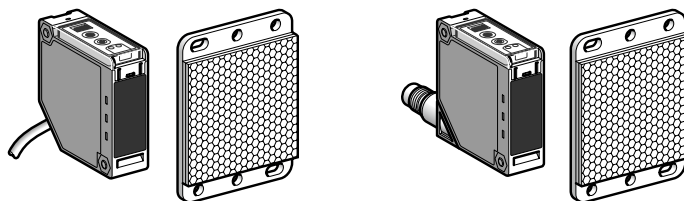


Photo-electric sensors

OsiSense XU Application, packaging series
For detection of transparent materials, with teach mode
and automatic compensation for accumulation of dirt ⁽¹⁾
Solid-state output

Compact design



System	Reflex
Type of transmission	Red
Nominal sensing distance (Sn)	1.5 m (with 50 x 50 mm reflector)

References

3-wire, PNP or NPN	NO or NC programmable function	XUKT1KSML2 (2)	XUKT1KSMM12 (2)
Weight (kg)		0.280	0.120

Characteristics

Product certifications	CE, UL, CSA	
Ambient air temperature	For operation	- 25...+ 55 °C
	For storage	- 30...+ 70 °C
Vibration resistance	Conforming to IEC 60068-2-6	7 gn (f = 10...55 Hz)
Shock resistance	Conforming to IEC 60068-2-27	10 gn, duration 11 ms
Degree of protection	Conforming to IEC 60529	IP 65
Materials	Case	PC
	Lenses	PMMA
	Cable	PVC
Connection	Pre-cabled, diameter 6 mm, length 2 m, wire c.s.a.: 4 x 0.34 mm ²	M12 male connector, can be set at 2 positions (suitable female connectors, including pre-wired versions)
Rated supply voltage	--- 12...24 V with protection against reverse polarity	
Voltage limits	--- 10...30 V (including ripple)	
Switching capacity (sealed)	≤ 100 mA with overload and short-circuit protection	
Voltage drop, closed state	≤ 2 V	
Current consumption, no-load	≤ 35 mA	
Maximum switching frequency	1500 Hz	
Delays	First-up	≤ 80 ms
	Response	≤ 0.3 ms
	Recovery	≤ 0.3 ms
Time delay	Monostable, on-delay or off-delay (programmable) adjustable from 0.1 to 5 seconds	

Function table	Function	Reflex system	
		No object present in the beam	Object present in the beam
Output state (PNP or NPN) indicator: yellow LED (illuminated when sensor output is ON)	NC		
	NO		

(1) Sensor memorises, in teach mode, the environmental conditions in which the object is to be detected and adapts to any variations.
(2) 50 x 50 mm reflector **XUZC50** included with the sensor.