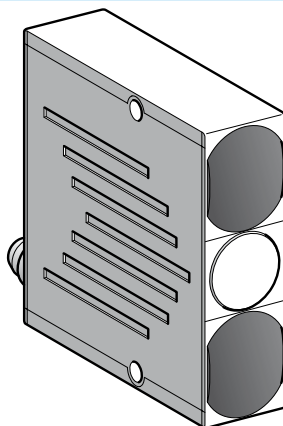


Photo-electric sensors

OsiSense XU Application, material handling series
Diffuse, with 2 channels using triangulation
with background suppression
DC supply. Solid-state output

Compact design



System	Diffuse with background suppression		
Type of transmission	Infrared LED, modulated, Ø 15 mm beam		
Detection distance	Adjustable from 50 to 600 mm		
References			
4-wire, PNP and NPN output	NO/NC programmable function	XUYPS2945S	XUYPS2C0945S
Weight (kg)		0.135	0.055
Characteristics			
Product certifications	CE, cULus (1)		
Ambient air temperature	For operation	0...+ 50 °C	
	For storage	- 20...+ 80 °C	
Degree of protection	Conforming to IEC 60529	IP 65	
Connection		Pre-cabled, length 2 m	M8, 4-pin male connector
Materials	Case	Glass impregnated nylon	
Rated supply voltage	⎓ 12...24 V with protection against reverse polarity		
Voltage limits (including ripple)	⎓ 10...30 V		
Immunity to ambient light	Incandescent bulb	1300 lux	
	Natural light	10 000 lux	
Switching capacity	100 mA with overload and short-circuit protection		
Voltage drop, closed state	< 2 V		
Current consumption, no-load	< 1.5 W		
Maximum switching frequency	370 Hz		
Delay	Response and recovery	< 1.8 ms	
Output signal time delay	For A and B/A or B (2)	Determined by wiring	
Indicator light	Output signal	Green LED	

(1) This product is UL Listed if supplied by a class II or isolated supply delivering ⎓ 30 V max. (isolated transformer for example) and protected by a UL fuse rated at 3 A max.

(2) See next page

■ Applications:

- Control of filling, detection of object on conveyor against reflective background.

Accessories

Description	Details	Length of cable	References	Weight
		m		kg
Pre-wired M8 connector	Straight	2	XZCP0941L2	0.080
	Elbowed (90°)	2	XZCP1041L2	0.080
	Straight	5	XZCP0941L5	0.180
	Elbowed (90°)	5	XZCP1041L5	0.180