

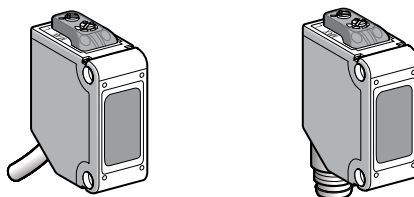
Photo-electric sensors

OsiSense XU, Application, packaging series

For detection of transparent materials

DC supply. Solid-state output

Compact design



System	Reflex
Type of transmission	Infra-red
Nominal sensing distance (Sn)	0.1...1 m with reflector XUZC50CR (1) 0.8...2 m with reflector XUZC50 (1)
Adjustment	270° potentiometer

References

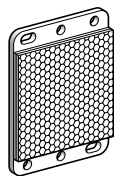
3-wire	NO or NC programmable function	PNP XUMTAPCNL2	NPN XUMTANCNL2	PNP XUMTAPCNM8	NPN XUMTANCNM8	PNP XUMTAPCNL03M12
Weight (kg)		0.155	0.155	0.055	0.055	0.055

Characteristics

Product certifications	CE, cURus		
Ambient air temperature	For operation: -25...+55°C. For storage: -30...+70°C		
Vibration resistance	Conforming to IEC 60068-2-8	20 gn max., amplitude: 3 mm, frequency: 10...500 Hz	
Shock resistance	Conforming to IEC 60068-2-27	50 gn	
Degree of protection	Conforming to IEC 60529	IP 67	
Material	Case: PBT Lenses: polycarbonate		
Indicator lights	Output state Power on, help with setting	Orange LED Green LED	
Connection	2 m cable Conductor c.s.a.: 0.2 mm ²	M8 4-pin connector	Remote M12 connector 0.3 m cable Conductor c.s.a.: 0.2 mm ²
Rated supply voltage	12...24 V with protection against reverse polarity		
Voltage limits	10...30 V (including ripple)		
Switching capacity	≤ 100 mA with overload and short-circuit protection		
Immunity to ambient light	Natural light	3000 lux	
	Incandescent bulb	3000 lux	
Voltage drop, closed state	< 2 V		
Current consumption	≤ 10 mA		
Response time	≤ 1 ms		

Function table	Function	Diffuse system	
		No object present in the beam	Object present in the beam
State of output (PNP or NPN) and orange LED (illuminated when sensor output is ON)	NO (position D)		
	NC (position L)		

Accessories



XUZC50
XUZC50CR

Description	Dimensions	Reference	Weight kg
Standard reflector Reflector distance from the product: 0.8 to 2 m	50 x 50 mm	XUZC50	0.020
Application reflector Reflector distance from the product: 0.2 to 1 m	50 x 50 mm	XUZC50CR	0.020

(1) Reflector to be ordered separately.