

## XUYPS2945S

photo-electric sensor - XUY - BGS - 2 channels - Sn  
600mm - 12..24VDC - cable 2m



### Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
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 and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	2 m
Product specific application	2 channels triangulation Control of filling Detection of object on conveyor against reflective background
Emission	Infrared LED, modulated
[Sn] nominal sensing distance	50...600 mm

### Complementary

Enclosure material	Glass impregnated nylon
Output type	Solid state
Status LED	1 LED (green) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	> 370 Hz
Voltage drop	< 2 V (closed state)
Current consumption	< 1.5 mA (no-load)
Delay response	< 1.8 ms
Delay recovery	< 1.8 ms
Product weight	0.135 kg

### Environment

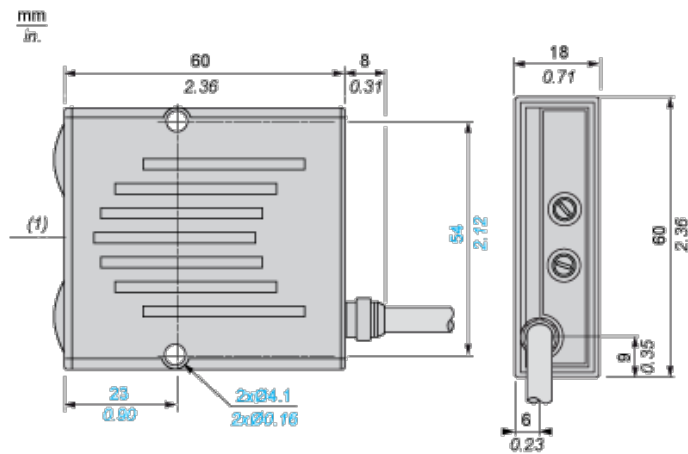
product certifications	CE
ambient air temperature for operation	0...50 °C
ambient air temperature for storage	-20...60 °C
immunity to ambient light	10000 lux with natural light 1300 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

### Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0727 - Schneider Electric declaration of conformity

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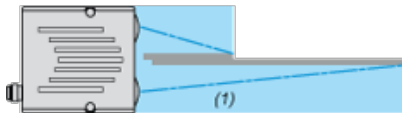
## Dimensions



(1) Optical axis

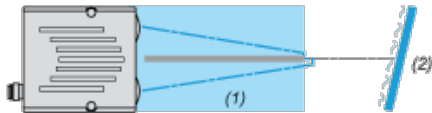
## Mounting and Clearance

### Two independent sensors with triangulation: A, B



(1) Detected zones

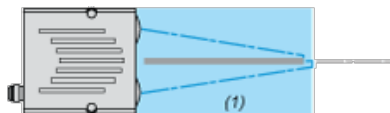
### Immunity to reflection: A and B



(1) Detected zones

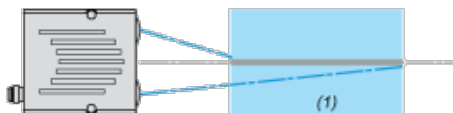
(2) Mirror

### Detection of contrasting objects: A or B



(1) Detected zones

### Monitoring of distance: A xor B



(1) Detected zones

## Wiring Schemes and Outputs

### Two Independent Sensors with Triangulation: A, B

NO Output