

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

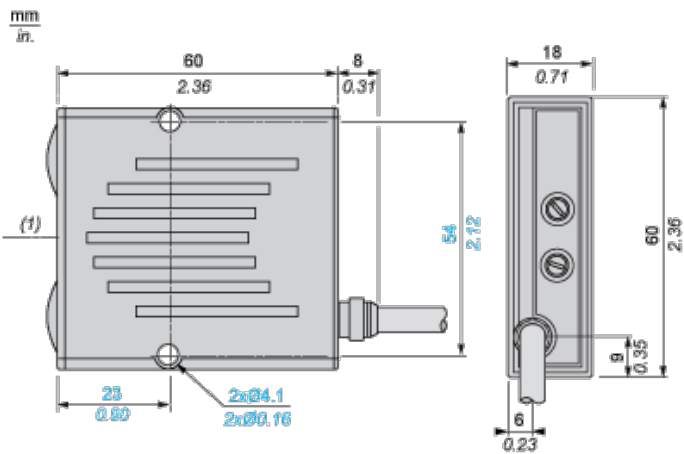
product certifications	CE
ambient air temperature for operation	0...50 °C
ambient air temperature for storage	-20...60 °C
immunity to ambient light	10000 lux with natural light 1300 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Offer Sustainability

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

Warranty period	18 months
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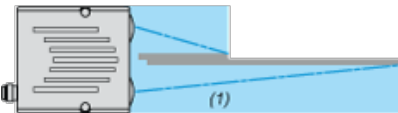
Dimensions



(1) Optical axis

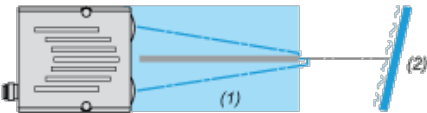
Mounting and Clearance

Two independent sensors with triangulation: A, B



(1) Detected zones

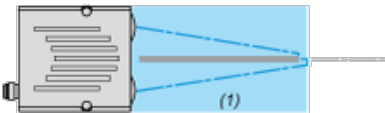
Immunity to reflection: A and B



(1) Detected zones

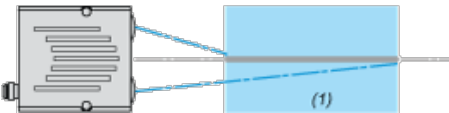
(2) Mirror

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