

XUYPS989SP

photo-electric sensor - XUY 989 - BGS - Sn 0.08m - 12..24VDC - cable 2m



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Miniature
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
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	2 m
Product specific application	Conveyor system and access control series
Emission	Red LED, pulsed
[Sn] nominal sensing distance	1 m polarised reflex 4 m thru beam 0.08 m diffuse with background suppression 0.25 m diffuse with adjustable sensitivity

Complementary

Enclosure material	ABS
Lens material	PMMA
Cover material	PVC
Pulse frequency	6 kHz
Output type	Solid 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	500 Hz
Voltage drop	< 2 V at 100 mA (closed state) <= 1 V at 10 mA (closed state)
Current consumption	< 25 mA (no-load)
Delay response	1 ms
Product weight	0.075 kg

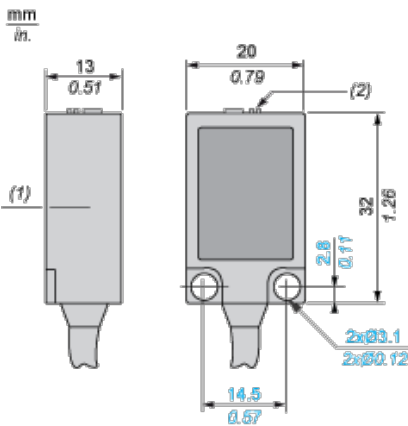
Environment

product certifications	CE CULus
ambient air temperature for operation	0...50 °C
ambient air temperature for storage	-20...80 °C
immunity to ambient light	<= 10000 lux with natural light <= 5000 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

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Warranty period	18 months
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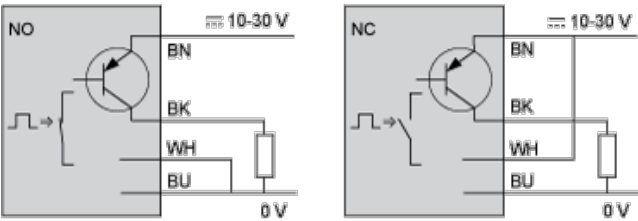
Dimensions



- (1) Optical axis
- (2) Accuracy adjustment

Connections and Schemes

PNP Output



- BN : Brown
- BU : Blue
- BK : Black
- WH : White