Product data sheet
Characteristics

XUYPSCO989SP
photo-electric sensor - XUY 989 - BGS - Sn 0.08m - 12..24VDC - M8

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	1 male connector M8, 4 pins
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	PUR
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
Maximum voltage drop	<2 V at 100 mA (closed state) <1 V at 10 mA (closed state)
Current consumption	< 25 mA no-load
Maximum delay response	1 ms
Net weight	0.044 kg

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0…50 °C
Ambient air temperature for storage	-20…80 °C
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

Packing Units

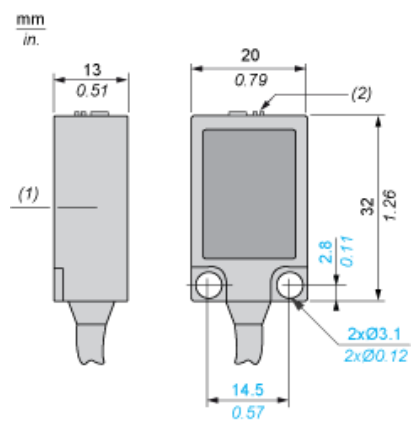|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	40 g
Package 1 Height	3.4 cm
Package 1 width	12.6 cm
Package 1 Length	7.4 cm
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Weight	1.776 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty
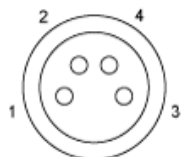
Warranty	18 months

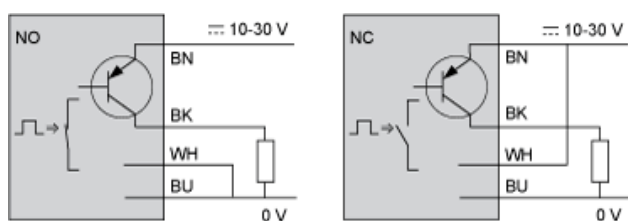## Dimensions

(1)   Optical axis
(2)   Accuracy adjustment

Connections and Schemes

M8

PNP Output

1/ Brown
BN :
2/ White
WH :
3/ Blue
BU :
4/ Black
BK :

Telemecanique
Sensors