Product data sheet
Characteristics

XUVK0252S

photoelectric sensor - thru-beam - Sn 2 mm - NO or NC - M8 connector

Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUV
Sensor design	Fork
Detection system	Thru beam
Emission	Infrared
Type of setting	Without
Passage width	0.08 in (2 mm)
Passage depth	1.97 in (50 mm)
Material	Metal
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP and NPN
Discrete output function	2 NO/NC programmable
Electrical connection	1 male connector M8 adjustable through 90°, 4 pins
Product specific application	Detection of labels
[Sn] nominal sensing distance	0.08 in (2 mm)

Complementary

Setting-up	Teach mode
Enclosure material	Zinc alloy
Lens material	Glass
Type of output signal	Discrete
Output type	Solid state
Status LED	Sensor ready 1 LED green) Read error 1 LED red) Output state: 1 LED (yellow)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10…30 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection)

Switching frequency	<= 25 kHz
Maximum voltage drop	<1.5 V closed state)
Output clamping resistor	10 kOhm
Current consumption	<= 50 mA no-load
Maximum delay first up	30 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Depth	3.54 in (90 mm)
Height	0.79 in (20 mm)
Width	0.79 in (20 mm)
Net weight	0.19 lb(US) (0.085 kg)

Environment

Product certifications	CE
Ambient air temperature for operation	32…131 °F (0…55 °C)
Ambient air temperature for storage	-4…158 °F (-20…70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IEC 60529

Packing Units

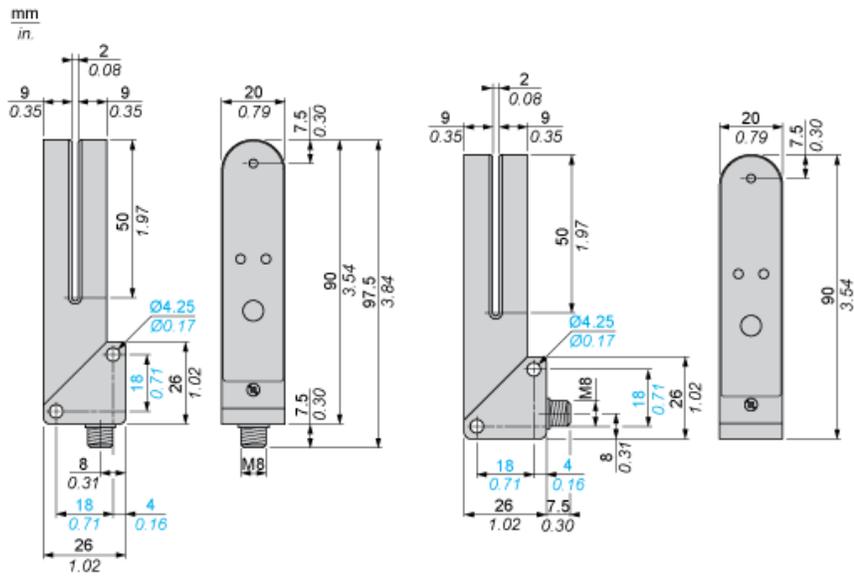|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	4.59 oz (130 g)
Package 1 Height	3.23 in (8.2 cm)
Package 1 width	3.15 in (8 cm)
Package 1 Length	1.42 in (3.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Weight	13.99 lb(US) (6.344 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

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

Contractual warranty

Warranty	18 months

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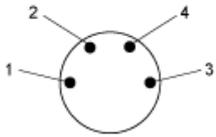
Dimensions

M8 Connector Adjustable Through 90°

Connector Scheme

3-wire, PNP and NPN

NO or NC Programmable Function

1 :   +
2 :   NPN Output
3 :   -
4 :   PNP Output