Product data sheet
Characteristics

XUVK0252VS
Photoelectric sensors XU, thru beam, Sn 2 mm, NO or NC, M8 connector



Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUV
Sensor design	Fork
Detection system	Thru beam
Emission	Red or green
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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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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

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389110732917
Returnability	No
Country of origin	HU

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.42 in (3.6 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	3.35 in (8.5 cm)
Package 1 Weight	4.69 oz (133.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	14.16 lb(US) (6.421 kg)

Offer Sustainability

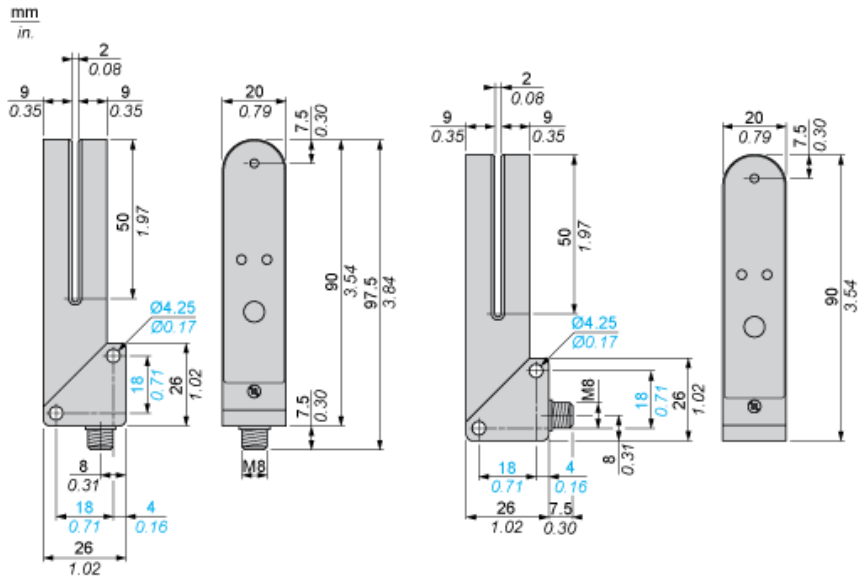
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
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

Dimensions

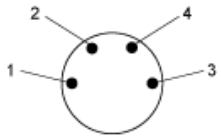
M8 Connector Adjustable Through 90°



Connector Scheme

3-wire, PNP and NPN

NO or NC Programmable Function



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