Product data sheet
Characteristics

XUYAFV946S
photo-electric sensor - XUY - ampli for fibre - glass - 12..24VDC - cable 2m

Main

Range of product	OsiSense XU
Series name	Application assembly
Specific application of photoelectric detector	Detection in aggressive environments Monitoring position or presence of parts on an assembly or packing machine Detection of presence of parts in a plastic mould Detection of items exiting an oven (high temperature fibers)
Sensor name	XUY
Sensor design	Fiber design
Emission	Red LED

Complementary

Electronic sensor type	Photo-electric sensor
Material	Plastic
Enclosure material	Polycarbonate
Pulse frequency	8 kHz
Type of output signal	Discrete
Output type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP and NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Supply circuit type	DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…30 V DC
Voltage state 0 guaranteed	< 1.4 V
Voltage state 1 guaranteed	> 3 V
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	< 1 kHz
Maximum voltage drop	<2 V (closed state)
Current consumption	<= 40 mA no-load
Maximum delay response	5 ms glass fibre optics 3 mm
Maximum delay recovery	5 ms glass fibre optics 3 mm
Setting-up	Sensitivity adjustment with teach mode
Net Weight	0.27 lb(US) (0.124 kg)

Environment

Product certifications	CE CULus
Ambient air temperature for operation	32…140 °F (0…60 °C)
Ambient air temperature for storage	-4…176 °F (-20…80 °C)
Immunity to ambient light	10000 Lux natural light 20000 lux incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

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.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	03389119009959
Nbr. of units in pkg.	1
Package weight(Lbs)	0.26 lb(US) (0.12 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Weight	10.13 lb(US) (4.595 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

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
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