Product datasheet
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 Detection of items exiting an oven (high temperature fibers) Detection of presence of parts in a plastic mould Monitoring position or presence of parts on an assembly or packing machine
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	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 for overload and short-circuit protection
Switching frequency	< 1 kHz
Voltage drop	< 2 V (closed state)
Current consumption	<= 40 mA (no-load)
Delay response	<= 5 ms for glass fibre optics 3 mm
Delay recovery	<= 5 ms for glass fibre optics 3 mm
Setting-up	Sensitivity adjustment with teach mode
Product weight	0.124 kg

Environment

product certifications	CE CULus
ambient air temperature for operation	0...60 °C
ambient air temperature for storage	-20...80 °C
immunity to ambient light	<= 10000 lux with natural light <= 20000 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product

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RoHS (date code: YYWW)	Compliant - since 0727 - Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months