Product datasheet

Specifications



Photoelectric sensors XU, XUY, ampli for fibre, glass, 12...24 VDC, cable 2 m

XUYAFV946S

Main

Range of product	Telemecanique Photoelectric sensors 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	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 for glass fibre optics 3 mm

Disclaimer: 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

Maximum delay recovery	5 ms glass fibre optics 3 mm
Setting-up	Sensitivity adjustment with teach mode
Net 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 natural light 20000 lux incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	118.0 g
Package 1 Height	3.5 cm
Package 1 width	7 cm
Package 1 Length	13 cm
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Weight	4.595 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