

# 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<br>Detection of items exiting an oven (high temperature fibers)<br>Detection of presence of parts in a plastic mould<br>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<br>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<br><= 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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**Contractual warranty**

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Warranty period

18 months

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