

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



## Main

|                                                |                                                                                                                                                                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                               | Telemecanique Photoelectric sensors XU                                                                                                                                                                                                     |
| Series name                                    | Application assembly                                                                                                                                                                                                                       |
| Specific application of photoelectric detector | Monitoring position or presence of parts on an assembly or packing machine<br>Detection of reference and colour marks in packaging<br>Detection of objects on small conveyor<br>Use of fiber optics in vibratory environments (robot arms) |
| 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                                          |
| 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 plastic fibre optics 2.2 mm           |
| Maximum delay recovery     | 5 ms plastic fibre optics 2.2 mm               |
| Setting-up                 | Sensitivity adjustment using +/- teach mode    |
| Display type               | Bar graph                                      |
| Net weight                 | 0.124 kg                                       |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Product certifications                | CE[RETURN]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<br>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 Height             | 3.400 cm  |
| Package 1 Width              | 7.200 cm  |
| Package 1 Length             | 13.000 cm |
| Package 1 Weight             | 120.000 g |
| Unit Type of Package 2       | S01       |
| Number of Units in Package 2 | 15        |
| Package 2 Height             | 15 cm     |
| Package 2 Width              | 15 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 1.997 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|