



Main

| | |
|-------------------------------|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | Application |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Infrared, continuous |
| Passage width | 2 mm |
| Passage depth | 40 mm |
| Material | Metal |
| Supply circuit type | DC |
| Wiring technique | 4-wire |
| Discrete output type | PNP/NPN |
| Electrical connection | 1 male connector M8, 4 pins |
| Product specific application | Control of tools travel Detection on a labelling machine Lateral shift control of a belt Detection of sheets overlapping Lift cage position control Detection of marks on a translucent film |
| [Sn] nominal sensing distance | 2 mm |

Complementary

| | |
|---------------------------|---|
| Enclosure material | Painted aluminium strong housing |
| Type of output signal | Discrete |
| Output type | Solid state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | 100 mA (overload and short-circuit protection) |
| Switching frequency | 10 kHz |
| Maximum voltage drop | <1 V at 10 mA (closed state) <2 V at 100 mA (closed state) |
| Current consumption | 40 mA no-load |
| Time response | 30 µs |
| Maximum delay recovery | 30 µs |
| Depth | 12 mm |
| Length | 60 mm |
| Width | 40 mm |

Environment

| | |
|---------------------------------------|--|
| Product certifications | cULus[RETURN]CE |
| Ambient air temperature for operation | -20...60 °C |
| Ambient air temperature for storage | -20...80 °C |
| Immunity to ambient light | 3000 Lux incandescent bulb 3000 lux natural light |
| IP degree of protection | IP65 conforming to IEC 60529 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.400 cm |
| Package 1 Width | 7.400 cm |
| Package 1 Length | 13.000 cm |
| Package 1 Weight | 55.000 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 15.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 996.000 g |

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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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