

# XUYFALNEP60015

Photoelectric sensors XU, XUY, fork, laser, teach, 15X59mm, 12...24 VDC, M8



## 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 laser, modulated - class 1 IEC 825-1   |
| Passage width                 | 0.59 in (15 mm)   |
| Passage depth                 | 2.32 in (59 mm)   |
| Material                      | Metal/plastic   |
| Supply circuit type           | DC  |
| Wiring Technique              | 4-wire  |
| Discrete output type          | PNP and NPN   |
| Discrete output function      | 1 NO or 1 NC programmable   |
| Electrical connection         | 1 male connector M8, 4 pins   |
| Product Specific Application  | Detection of reference marks<br>Detection on small conveyor<br>Detection of transparent object<br>Detection on vibrating rail |
| [Sn] nominal sensing distance | 0.59 in (15 mm)   |

## Complementary

|                                       |   |
|---------------------------------------|---|
| Enclosure Material                    | Painted aluminium and polyamide/glass                                       |
| Keypad Type                           | Yellow  |
| Minimum object diameter for detection | 0.00 in (0.05 mm)   |
| Type of output signal                 | Discrete  |
| Output Type                           | Solid state   |
| Status LED                            | Adjustment mode and keypad locking 1 LED red)<br>Output state 1 LED yellow) |
| [Us] rated supply voltage             | 12...24 V DC 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                  | <2 V closed state)  |
| Current consumption                   | 40 mA no-load   |
| Load capacitance                      | 330 nF  |
| Time response                         | -20...20 µs   |
| Setting-up                            | Self teaching   |
| Net Weight                            | 0.42 lb(US) (0.19 kg)   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | CULus<br>CE   |
| Ambient Air Temperature for Operation | -4...140 °F (-20...60 °C)                             |
| Ambient Air Temperature for Storage   | -22...176 °F (-30...80 °C)                            |
| Immunity to ambient light             | 10000 Lux natural light<br>5000 lux incandescent bulb |
| Vibration resistance                  | 7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6            |

|                         |                             |
|-------------------------|-----------------------------|
| Shock resistance        | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP65 IEC 60529              |




### Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 22481-SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                          |
| GTIN                  | 3389119006705                |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 2.82 oz (80.0 g)             |
| Returnability         | No                           |
| Country of origin     | FR                           |

### Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 0.59 in (1.5 cm) |
| Package 1 width        | 6.30 in (16 cm)  |
| Package 1 Length       | 5.12 in (13 cm)  |

### 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> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| RoHS exemption information |  <a href="#">Yes</a>   |

### Contractual warranty

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

Dimensions



(1) Optical axis

Dimensions in mm

| A  | B  | b1 | C  |
|----|----|----|----|
| 15 | 59 | 74 | 27 |

Dimensions in in.

| A    | B    | b1   | C    |
|------|------|------|------|
| 0.59 | 2.32 | 2.91 | 1.06 |