



## Main

|                               |  |
|-------------------------------|--|
| Range of Product              | Telemecanique Photoelectric sensors XU |
| Series name                   | General purpose single mode            |
| Electronic sensor type        | Photo-electric sensor                  |
| Sensor name                   | XU5                                    |
| Sensor design                 | Cylindrical M18                        |
| Detection system              | Diffuse                                |
| Material                      | Metal                                  |
| Line of sight type            | Axial                                  |
| Type of output signal         | Discrete                               |
| Supply circuit type           | AC/DC                                  |
| Wiring Technique              | 2-wire                                 |
| Discrete output function      | 1 NC                                   |
| Electrical connection         | 1 male connector 1/2"20 UNF, 3 pins    |
| Product Specific Application  | -                                      |
| Emission                      | Infrared diffuse                       |
| [Sn] nominal sensing distance | 1.31 ft (0.4 m) diffuse                |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure Material        | Nickel Plated Brass  |
| Lens material             | PMMA   |
| Maximum sensing distance  | 1.97 ft (0.6 m)  |
| Output Type               | Solid state  |
| Add on output             | Without  |
| Status LED                | 1 LED yellow)output state  |
| [Us] rated supply voltage | 24...240 V AC/DC   |
| Supply voltage limits     | 20...264 V AC/DC   |
| Maximum residual current  | 1.5 mA open state  |
| Switching capacity in mA  | 10...200 mA to be used with 0.4 A quick-blow fuse in series with the load) |
| Switching frequency       | <= 25 Hz   |
| Maximum voltage drop      | <6 V closed state)   |
| Maximum delay first up    | 300 ms   |
| Maximum delay response    | 20 ms  |
| Maximum delay recovery    | 20 ms  |
| Setting-up                | Sensitivity adjustment   |
| Diameter                  | 0.71 in (18 mm)  |
| Length                    | 3.74 in (95 mm)  |
| Net Weight                | 0.17 lb(US) (0.075 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Product Certifications                | CSA<br>UL<br>CE                          |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)               |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)               |
| Vibration resistance                  | 7 gn +/- 1.5 mm 10...55 Hz IEC 60068-2-6 |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27              |
| IP degree of protection               | IP67 IEC 60529                           |

## Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 22481-SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                          |
| GTIN                  | 3389110736601                |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 3.00 oz (85.0 g)             |
| Returnability         | No                           |
| Country of origin     | FR                           |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Package 1 Height             | 1.65 in (4.2 cm)      |
| Package 1 width              | 2.60 in (6.6 cm)      |
| Package 1 Length             | 3.74 in (9.5 cm)      |
| Unit Type of Package 2       | S01                   |
| Number of Units in Package 2 | 11                    |
| Package 2 Weight             | 2.56 lb(US) (1.16 kg) |
| Package 2 Height             | 5.91 in (15 cm)       |
| Package 2 width              | 5.91 in (15 cm)       |
| Package 2 Length             | 15.75 in (40 cm)      |

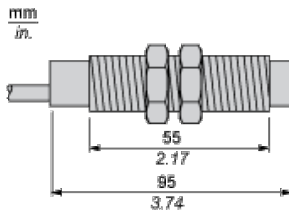
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End Of Life Information</a>   |

## Contractual warranty

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

Dimensions

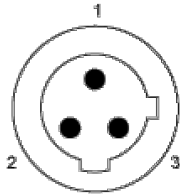


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## Wiring Schemes

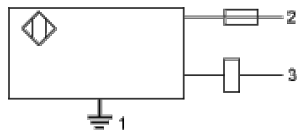
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### Connector



- 1 : Grounding
- 2 : AC/DC
- 3 : AC/DC

### 2-wire AC or DC

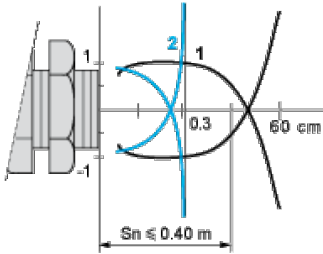


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Detection Curves

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Diffuse System



- 1 : White 90%
  - 2 : Grey 18%
- Object 10 x 10 cm