



## Main

|                               |   |
|-------------------------------|---|
| Range of Product              | Telemecanique Photoelectric sensors XU      |
| Series name                   | General purpose single mode                 |
| Electronic sensor type        | Photo-electric sensor                       |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18                             |
| Detection system              | Reflex                                      |
| Material                      | Plastic                                     |
| Line of sight type            | Axial                                       |
| Type of output signal         | Discrete                                    |
| Supply circuit type           | DC  |
| Wiring Technique              | 3-wire                                      |
| Discrete output type          | NPN   |
| Discrete output function      | 1 NC  |
| Electrical connection         | 1 male connector M12, 4 pins                |
| Product Specific Application  | -   |
| Emission                      | Infrared reflex                             |
| [Sn] nominal sensing distance | 13.12 ft (4 m) reflex need reflector XUZC50 |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure Material        | PBT  |
| Lens material             | PMMA   |
| Maximum sensing distance  | 18.04 ft (5.5 m) reflex                          |
| Output Type               | Solid state                                      |
| Add on output             | Without  |
| Wire insulation material  | PvR  |
| Status LED                | 1 LED yellow)output state                        |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection         |
| Supply voltage limits     | 10...36 V DC                                     |
| Switching capacity in mA  | <= 100 mA overload and short-circuit protection) |
| Switching frequency       | <= 500 Hz  |
| Maximum voltage drop      | <1.5 V closed state)                             |
| Current consumption       | 35 mA no-load                                    |
| Maximum delay first up    | 15 ms  |
| Maximum delay response    | 1 ms   |
| Maximum delay recovery    | 1 ms   |
| Setting-up                | Without sensitivity adjustment                   |
| Diameter                  | 0.71 in (18 mm)                                  |
| Length                    | 2.44 in (62 mm)                                  |
| Net Weight                | 0.09 lb(US) (0.04 kg)                            |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | CE<br>UL<br>CSA   |
| 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 10...55 Hz) IEC 60068-2-6  |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27   |
| IP degree of protection               | IP67 double insulation IEC 60529<br>IP65 double insulation IEC 60529<br>IP69K double insulation DIN 40050 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22415 - SENSORS, PHOTOELECTRIC, BASIC |
| Discount Schedule     | DS2                                   |
| GTIN                  | 3389110148633                         |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 1.16 oz (33 g)                        |
| Returnability         | Yes                                   |
| Country of origin     | FR                                    |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Package 1 Height             | 1.65 in (4.2 cm) |
| Package 1 width              | 3.78 in (9.6 cm) |
| Package 1 Length             | 2.64 in (6.7 cm) |
| Unit Type of Package 2       | S01              |
| Number of Units in Package 2 | 11               |
| Package 2 Weight             | 20.74 oz (588 g) |
| Package 2 Height             | 5.91 in (15 cm)  |
| Package 2 width              | 5.91 in (15 cm)  |
| Package 2 Length             | 15.75 in (40 cm) |

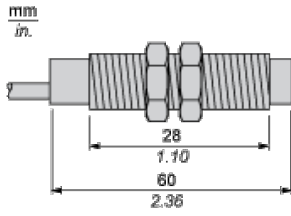
## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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

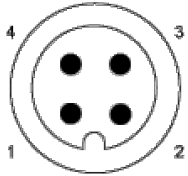
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



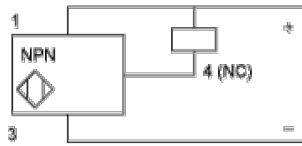
## Wiring Schemes

### M12 Connector

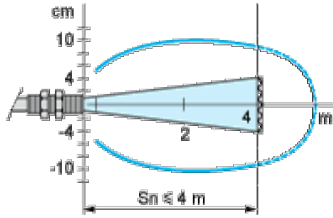


- 1: (+)
- 3: (-)
- 4: OUT/Output

### NPN Outputs



Detection Curves



With reflector XUZC50