

# XU9M18MB230WK

Photoelectric sensors XU, photo electric sensor, XU9, polarised, 90°, Sn 2 m, 24...240VAC/DC, 1/2"



## Main

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU     |
| Series name                   | General purpose single mode                |
| Electronic sensor type        | Photo-electric sensor                      |
| Sensor name                   | XU9                                        |
| Sensor design                 | Cylindrical M18                            |
| Detection system              | Polarised reflex                           |
| Material                      | Metal                                      |
| Line of sight type            | 90° lateral                                |
| 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                      | Red polarised reflex                       |
| [Sn] nominal sensing distance | 2 m polarised reflex need reflector XUZC50 |

## Complementary

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Enclosure material        | Nickel plated brass                                                         |
| Lens material             | PMMA                                                                        |
| Maximum sensing distance  | 3 m                                                                         |
| Output type               | Solid state                                                                 |
| Add on output             | Without                                                                     |
| Wire insulation material  | PvR                                                                         |
| Status LED                | 1 LED (yellow) for output state<br>1 LED (red) for instability              |
| [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                  | 18 mm                                                                       |
| Length                    | 97 mm                                                                       |
| Net weight                | 0.09 Kg<br>0.095 kg                                                         |
| Kit composition           | Reflector XUZC50<br>Sensor                                                  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| Product certifications                | UL<br>CE<br>CSA                                                           |
| Ambient air temperature for operation | -25...55 °C                                                               |
| Ambient air temperature for storage   | -40...70 °C                                                               |
| Vibration resistance                  | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27                     |
| IP degree of protection               | IP67 double insulation conforming to IEC 60529                            |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.001 kg |
| Package 1 Height | 0.010 dm |
| Package 1 width  | 0.010 dm |
| Package 1 Length | 0.020 dm |

## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                              |
| 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>                                                        |

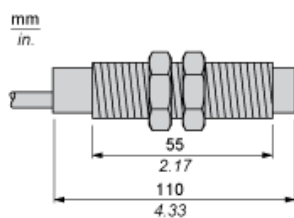
## Contractual warranty

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

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Dimensions

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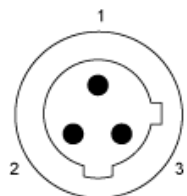


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## Wiring Schemes

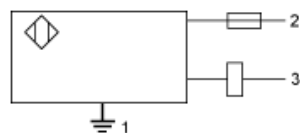
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### Connector



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

### 2-wire AC or DC



With reflector XUZC50