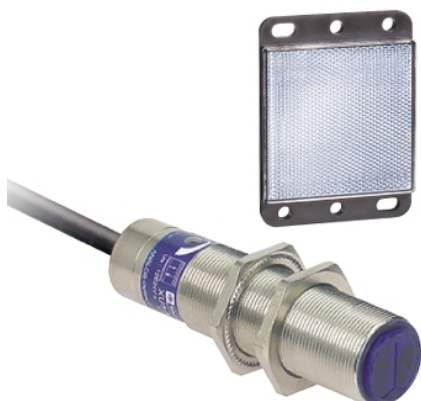


# XU9M18MA230

Photoelectric sensors XU, XU9, polarised, Sn 2 m, 24...240VAC/DC, cable 2 m



## 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            | Axial                                      |
| Type of output signal         | Discrete                                   |
| Supply circuit type           | AC/DC                                      |
| Wiring technique              | 2-wire                                     |
| Discrete output function      | 1 NO                                       |
| Electrical connection         | Cable                                      |
| Cable length                  | 2 m  |
| 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                    | 95 mm   |
| Net weight                | 0.09 Kg<br>0.095 kg   |
| Kit composition           | Reflector XUZC50<br>Sensor  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE[RETURN]CSA[RETURN]UL   |
| 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 conforming to IEC 60529  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 4.2 cm   |
| Package 1 Width              | 9.5 cm   |
| Package 1 Length             | 13.2 cm  |
| Package 1 Weight             | 151.0 g  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 22       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 3.721 kg |

## 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>  |

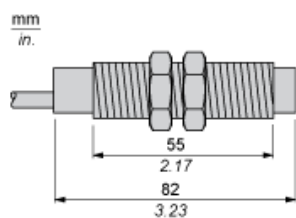
## Contractual warranty

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

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Dimensions

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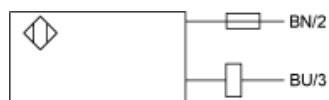


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## Wiring Schemes

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### 2-wire AC or DC



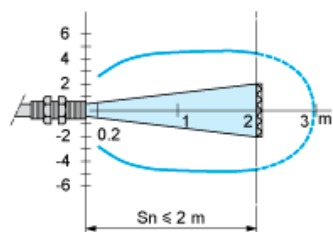
BU : Blue  
BN : Brown

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Detection Curves

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Polarised Reflex System



With reflector XU9M18MA230