

# XU2M18MA230

photo-electric sensor - XU2 - thru beam - Sn  
15m - 24..240VAC/DC - cable 2m



## Main

|                               |                             |
|-------------------------------|-----------------------------|
| Range of product              | OsiSense XU                 |
| Series name                   | General purpose single mode |
| Electronic sensor type        | Photo-electric sensor       |
| Sensor name                   | XU2                         |
| Sensor design                 | Cylindrical M18             |
| Detection system              | Thru beam                   |
| 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                      | Infrared thru beam          |
| [Sn] nominal sensing distance | 15 m thru beam              |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | Nickel plated brass   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 20 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  |
| 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  |
| Voltage drop              | 6 V (closed state)  |
| Delay first up            | < 300 ms  |
| Delay response            | < 20 ms   |
| Delay recovery            | < 20 ms   |
| Setting-up                | Sensitivity adjustment  |
| Diameter                  | 18 mm   |
| Length                    | 82 mm   |
| Product weight            | 0.285 kg  |
| Kit composition           | Transmitter + receiver XU2M18MC230T + XU2M18MA230R                          |

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                | CE<br>CSA<br>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 double insulation conforming to IEC 60529                            |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0924 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |