

# XUDA1PSML2

Photoelectric sensors XU, XUD, precabled,  
PVC, PNP, discrete solid state



## Main

|  |  |
|--|--|
| Range of Product                               | Telemecanique Photoelectric sensors XU |
| Series name                                    | Application assembly                   |
| Specific application of photoelectric detector | Object                                 |
| Sensor name                                    | XUD                                    |

## Complementary

|                           |   |
|---------------------------|---|
| Electronic sensor type    | Photo-electric sensor   |
| Sensor design             | Fiber design  |
| Enclosure Material        | PBT   |
| Wiring Technique          | 3-wire  |
| Supply circuit type       | DC  |
| Type of output signal     | Discrete  |
| Output Type               | Solid state   |
| Discrete output function  | 1 NO or 1 NC programmable   |
| Discrete output type      | PNP   |
| Electrical connection     | Cable   |
| Cable length              | 6.56 ft (2 m)   |
| Cable material            | PVC   |
| Status LED                | Instability 1 LED red)<br>Output state 1 LED yellow)                    |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection                                |
| Supply voltage limits     | 10.8...26.4 V DC  |
| Current consumption       | <= 50 mA no-load  |
| Switching capacity in mA  | <= 100 mA (overload protection)<br><= 100 mA (short-circuit protection) |
| Maximum voltage drop      | <2 V (closed)   |
| Switching frequency       | <= 1 kHz  |
| Add on output             | Without   |
| Maximum delay first up    | 120 ms  |
| Maximum delay response    | 0.5 ms  |
| Maximum delay recovery    | 0.5 ms  |
| Product Compatibility     | Glass or plastic fibre optics 1 mm or 2.2 mm                            |
| Setting-up                | Sensitivity adjustment with teach mode                                  |
| Lens material             | PMMA  |
| Depth                     | 0.39 in (10 mm)   |
| Height                    | 2.56 in (65 mm)   |
| Width                     | 1.57 in (40 mm)   |
| Net Weight                | 0.09 lb(US) (0.04 kg)   |

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

|                                       |   |
|---------------------------------------|---|
| Emission                              | Red   |
| Interference protection               | Without   |
| Product Certifications                | CULus<br>CE   |
| IP degree of protection               | IP64 optic fiber Ø 1 mm IEC 529<br>IP65 optic fiber Ø 2 mm IEC 529  |
| Ambient air temperature for operation | 14...131 °F (-10...55 °C)   |
| Ambient Air Temperature for Storage   | -22...158 °F (-30...70 °C)  |
| Vibration resistance                  | +/-0.5 mm 10...55 Hz)IEC 60068-2-6<br>7 gn 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27   |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                            |
| GTIN                  | 3389110160369                  |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 2.68 oz (76 g)                 |
| Returnability         | Yes                            |
| Country of origin     | HU                             |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 3.15 in (8 cm)         |
| Package 1 width              | 3.23 in (8.2 cm)       |
| Package 1 Length             | 1.38 in (3.5 cm)       |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 45                     |
| Package 2 Weight             | 8.24 lb(US) (3.738 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |

## Contractual warranty

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