

# XUVK0252S

photoelectric sensor - thru-beam - Sn 2 mm -  
NO or NC - M8 connector

Product availability: Stock - Normally stocked in distribution facility



## Main

|                               |  |
|-------------------------------|--|
| Commercial Status             | Commercialised                                     |
| Range of product              | OsiSense XU  |
| Series name                   | Application packaging                              |
| Electronic sensor type        | Photo-electric sensor                              |
| Sensor name                   | XUV  |
| Sensor design                 | Fork   |
| Detection system              | Thru beam  |
| Emission                      | Infrared   |
| Type of setting               | Without  |
| Passage width                 | 0.08 in (2 mm)                                     |
| Passage depth                 | 1.97 in (50 mm)                                    |
| Material                      | Metal  |
| Supply circuit type           | DC   |
| Wiring technique              | 3-wire   |
| Discrete output type          | PNP and NPN  |
| Discrete output function      | 2 NO/NC programmable                               |
| Electrical connection         | 1 male connector M8 adjustable through 90°, 4 pins |
| Product specific application  | Detection of labels                                |
| [Sn] nominal sensing distance | 0.08 in (2 mm)                                     |

## Complementary

|                           |   |
|---------------------------|---|
| Setting-up                | Teach mode  |
| Enclosure material        | Zinc alloy  |
| Lens material             | Glass   |
| Type of output signal     | Discrete  |
| Output type               | Solid state   |
| Status LED                | 1 LED (yellow) for output state<br>1 LED (red) for read error<br>1 LED (green) for sensor ready |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection   |
| Supply voltage limits     | 10...30 V DC  |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)   |
| Switching frequency       | <= 25 kHz   |
| Voltage drop              | <= 1.5 V (closed state)   |
| Output clamping resistor  | 10 kOhm   |
| Current consumption       | <= 50 mA (no-load)  |
| Delay first up            | <= 30 ms  |
| Delay response            | < 0.1 ms  |
| Delay recovery            | < 0.1 ms  |
| Depth                     | 3.54 in (90 mm)   |
| Height                    | 0.79 in (20 mm)   |
| Width                     | 0.79 in (20 mm)   |
| Product weight            | 0.19 lb(US) (0.085 kg)  |

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## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE  |
| Ambient air temperature for operation | 32...131 °F (0...55 °C)   |
| Ambient air temperature for storage   | -4...158 °F (-20...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               | IP65 conforming to IEC 60529  |

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22481 - SENSORS, PHOTOELECTRIC                    |
| Discount Schedule     | DS2   |
| GTIN                  | 00785901654179                                    |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.29  |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | IT  |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS                     | Compliant - since 0623 - <a href="#">Schneider Electric declaration of conformity</a> |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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