

XUB4APANM12

photo-electric sensor - XUB - diffuse - Sn 0.1m - 12..24VDC - M12



Main

| | |
|-------------------------------|------------------------------|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| Material | Plastic |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Infrared diffuse |
| [Sn] nominal sensing distance | 0.1 m diffuse |

Complementary

| | |
|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 0.15 m diffuse |
| Output type | Solid state |
| Add on output | Without |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...36 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 500 Hz |
| Voltage drop | 1.5 V (closed state) |
| Current consumption | 35 mA (no-load) |
| Delay first up | < 15 ms |
| Delay response | < 1 ms |
| Delay recovery | < 1 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 18 mm |
| Length | 62 mm |
| Product weight | 0.04 kg |

Environment

| | |
|---------------------------------------|---|
| product certifications | CE CSA 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 |

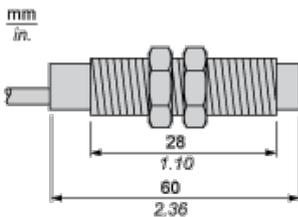
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| | |
|-------------------------|---|
| shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529 IP69K double insulation conforming to DIN 40050 |

Offer Sustainability

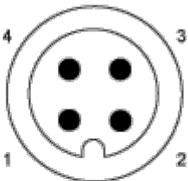
| | |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0903 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |

Dimensions



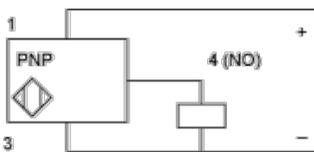
Wiring Schemes

M12 Connector

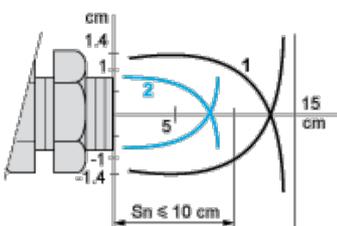


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP Outputs



Detection Curves



- 1 : White 90%
 - 2 : Grey 18%
- Object 10 x 10 cm