

XUB0APSNM12

photo-electric sensor - XUB - multi - Sn 0..20m
- 12..24VDC - M12



Main

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| Range of product | OsiSense XU |
| Series name | General purpose multimode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Multimode |
| 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 or 1 NC programmable |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse |
| [Sn] nominal sensing distance | 20 m thru beam need a transmitter XUB0AKSNM12T 3 m polarised reflex need reflector XUZC50 0.3 m diffuse 0.12 m diffuse with background suppression |

Complementary

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|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 4.5 m polarised reflex 30 m thru beam 0.4 m diffuse 0.12 m diffuse with background suppression |
| Output type | Solid state |
| Add on output | Without |
| Status LED | 1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply |
| [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 | <= 250 Hz |
| Voltage drop | 1.5 V (closed state) |
| Current consumption | 35 mA (no-load) |
| Delay first up | < 200 ms |
| Delay response | < 2 ms |
| Delay recovery | < 2 ms |
| Setting-up | Self-teaching |
| Diameter | 18 mm |

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| Length | 78 mm |
| Product weight | 0.045 kg |

Environment

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

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0814 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |