

Photoelectric sensors XU, Photo electric sensor, Cylindrical, Metal, Angled, Thru-beam, Transmitter, Smax 30m, Connector M12



Main

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| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor transmitter |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Thru beam |
| Material | Metal |
| Line of sight type | 90° lateral |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 2-wire |
| Electrical connection | Cable |
| Cable length | 2 m |
| Emission | Red LED thru beam |
| [Sn] nominal sensing distance | 12 m thru beam need a receiver |

Complementary

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| Enclosure material | PC/PBT |
| Lens material | PMMA |
| Maximum sensing distance | 17 m thru beam |
| Output type | Discrete |
| Status LED | 1 LED (green) for supply on 1 LED (orange) for output state |
| [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 | <= 1000 Hz |
| Maximum voltage drop | <2 Vno-load |
| Current consumption | < 20 mA no load |
| Maximum delay first up | 100 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 0.5 ms |
| Diameter | 18 mm |
| Length | 55.2 mm |
| Net weight | 0.050 kg |

Environment

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| Product certifications | CE[RETURN]cULus[RETURN]UKCA[RETURN]RoHS |
| Ambient air temperature for operation | -30...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Relative humidity | 35...95 % |
| Immunity to ambient light | 40000 Lux sunlight 10000 lux incandescent light |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz)for every axis conforming to IEC 60068-2-6 |

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| Shock resistance | 30 gn (duration = 11 ms) for every axis conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050-9 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.8 cm |
| Package 1 Width | 1.6 cm |
| Package 1 Length | 4.4 cm |
| Package 1 Weight | 40 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 48 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 2.235 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 768 |
| Package 3 Height | 70 cm |
| Package 3 Width | 60 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 44.26 kg |

Contractual warranty

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| Warranty | 18 months |
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