

Product data sheet

Specifications



photo-electric sensor - XUC - BGS - Sn 1.2m - 12..24VDC - cable 5m

XUC8AKSNL5

⚠ Discontinued

XUC8AKSNL5 has not been replaced. Please contact your customer care center for more information.

Main

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| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUC |
| Sensor design | Compact |
| Detection system | Diffuse with background suppression |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP or NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 5 m |
| Product specific application | - |
| Emission | Infrared diffuse with background suppression |
| [Sn] nominal sensing distance | 1.2 m diffuse with background suppression |

Complementary

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|----------------------------|----------------------------|
| Enclosure material | PC |
| Lens material | PMMA |
| Maximum sensing distance | 1.2 m |
| Output type | Relay |
| Output function governance | Light or dark programmable |
| Add on output | Without |
| Cable composition | 5 x 0.34 mm ² |
| Wire insulation material | PvR |
| Cable outer diameter | 6 mm |

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| Status LED | 1 LED (yellow) for output state 1 LED (red) for stability |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC |
| Output voltage | <= 250 V AC |
| Switching capacity in mA | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) |
| Switching frequency | <= 20 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | 35 mA no-load |
| Maximum power consumption in W | 2 W |
| Time delay range | 0...15 s monostable, on-delay or off-delay (programmable) delay |
| Maximum delay first up | 60 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 25 ms |
| Setting-up | Sensitivity adjustment with potentiometer |
| Electrical durability | 500000 cycles, switching capacity: 3000 mA, cos f = 1, operating rate <60 cyc/mn at 250 V |
| Depth | 44 mm |
| Height | 99 mm |
| Width | 45 mm |
| Net weight | 0.26 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 (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 20 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 12 conforming to IEC 60529 NEMA 13 conforming to IEC 60529 NEMA 3 conforming to IEC 60529 NEMA 4 conforming to IEC 60529 NEMA 4X conforming to IEC 60529 NEMA 6 conforming to IEC 60529 NEMA 6P conforming to IEC 60529 |

Packing Units

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| Package 1 Weight | 0.400 kg |
| Package 1 Height | 1.450 dm |
| Package 1 width | 0.780 dm |
| Package 1 Length | 0.800 dm |

Contractual warranty

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| Warranty | 18 months |
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