XU1N18NP341

photo-electric sensor - XU1 - reflex - Sn 4m - 12..24VDC - cable 2m



Main

| Range of product | Telemecanique Photoelectric sensors XU |
|-------------------------------|--|
| Series name | Application food and beverage |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XU1 |
| Sensor design | Cylindrical M18 |
| Detection system | Reflex |
| Material | Stainless steel |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 2 m |
| Product specific | - |
| application | |
| Emission | Infrared reflex |
| [Sn] nominal sensing distance | 4 m reflex need reflector XUZC50 |

Complementary

| Complementary | |
|---------------------------|--|
| Enclosure material | Stainless steel : 304 CU |
| Lens material | PMMA |
| Maximum sensing distance | 5.5 m with reflector 50 x 50 mm |
| Output type | Solid state |
| Add on output | Without |
| Add on input | Programmation |
| Cable composition | 4 x 0.34 mm² |
| Wire insulation material | PvR |
| Cable outer diameter | 4.2 mm |
| Status LED | 1 LED (green) for supply on 1 LED (yellow) for output state |
| [Us] rated supply voltage | 1224 V DC with reverse polarity protection |
| Supply voltage limits | 1030 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 500 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | <= 30 mA no-load |
| Maximum delay first up | 15 ms |
| Maximum delay response | 1 ms |
| Maximum delay recovery | 1 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 18 mm |
| Length | 62 mm |
| Net weight | 0.155 kg |
| Kit composition | Reflector XUZC50 Sensor |
| | |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

| Product certifications | CSA[RETURN]UL[RETURN]CE |
|---------------------------------------|---|
| Ambient air temperature for operation | -2555 °C |
| Ambient air temperature for storage | -4070 °C |
| Vibration resistance | 25 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Packing Units

| PCE | |
|---------|--------------------------------|
| 1 | |
| 4.5 cm | |
| 8 cm | |
| 14.8 cm | |
| 163 g | |
| | 1 4.5 cm 8 cm 14.8 cm |

Offer Sustainability

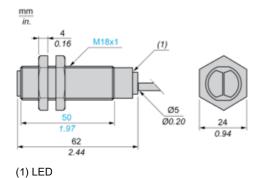
Contractual warranty

| Warranty | 18 months |
|----------|-----------|
| | |

Product data sheet Dimensions Drawings

XU1N18NP341

Dimensions



Product data sheet Mounting and Clearance

XU1N18NP341

Mounting and Clearance

Fixing nut tightening torque: < 15 N.m Connector tightening torque: 2 N.m

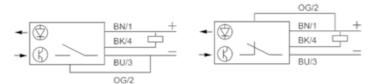


Product data sheet Connections and Schema

XU1N18NP341

Wiring Schemes

3-wire, NPN NO or NC Programmable Function



BN : Brown

BK : Black (out / output)

BU : Blue

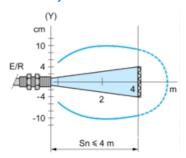
OG: Orange (program)

Product data sheet Performance Curves

XU1N18NP341

Detection Curves

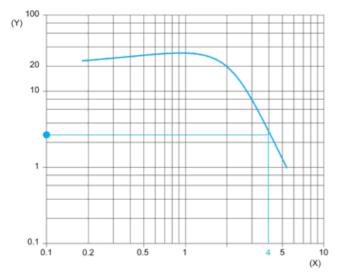
Reflex System with Reflector XUZC50



(y) Ø of beam

Excess Gain Curves (Ambient Temperature: + 25° C)

Reflex System with Reflector XUZC50



- (y) Gain
- (x) Distance (m)