

XUM9APCNL2

photo-electric sensor - XUM - polarised - Sn
5m - 12..24VDC - cable 2m



Main

| | |
|-----------------------------------|--|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUM |
| Sensor design | Miniature |
| Detection system | Polarised reflex |
| Material | Plastic |
| 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 | Cable |
| Cable length | 2 m |
| Product specific appli- cation | - |
| Emission | Red polarised reflex |
| [Sn] nominal sensing distance | 5 m polarised reflex need reflector XUZC50 |

Complementary

| | |
|---------------------------|--|
| Enclosure material | PBT |
| Lens material | PMMA |
| Output type | Solid state |
| Wire insulation material | PVC |
| Status LED | 1 LED (green) for instability 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 |
| Voltage drop | <= 2 V (closed state) |
| Current consumption | <= 10 mA (no-load) |
| Delay first up | < 100 ms |
| Delay response | < 1 ms |
| Delay recovery | 0.5 ms |
| Setting-up | Sensitivity adjustment by potentiometer |
| Depth | 20 mm |
| Height | 33 mm |
| Length | 11 mm |
| Width | 11 mm |
| Product weight | 0.063 kg |

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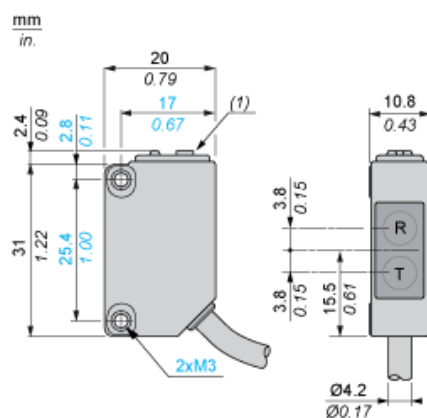
Environment

| | |
|---------------------------------------|---|
| Product certifications | CE CURus |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -30...70 °C |
| Immunity to ambient light | 3000 lux with natural light 3000 lux with incandescent light |
| Vibration resistance | 20 gn, amplitude = +/- 1.5 mm (f = 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Offer Sustainability

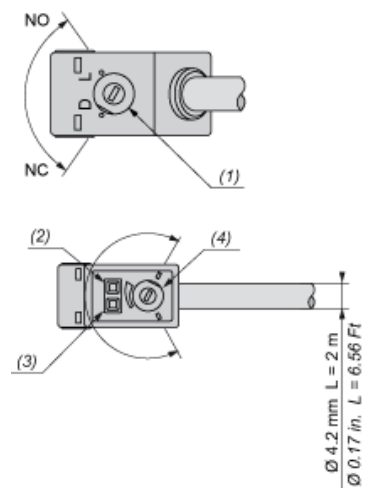
| | |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1152 - Schneider Electric declaration of conformity |

Dimensions



R : Reception
T : Transmission
(1) Potentiometer

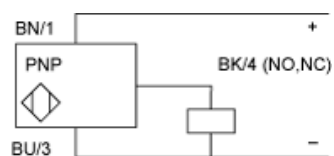
Mounting and Clearance



- (1) Configuration switch
- (2) Output state LED
- (3) Stability and power on LED
- (4) Adjustment potentiometer

Connections and Schemes

PNP

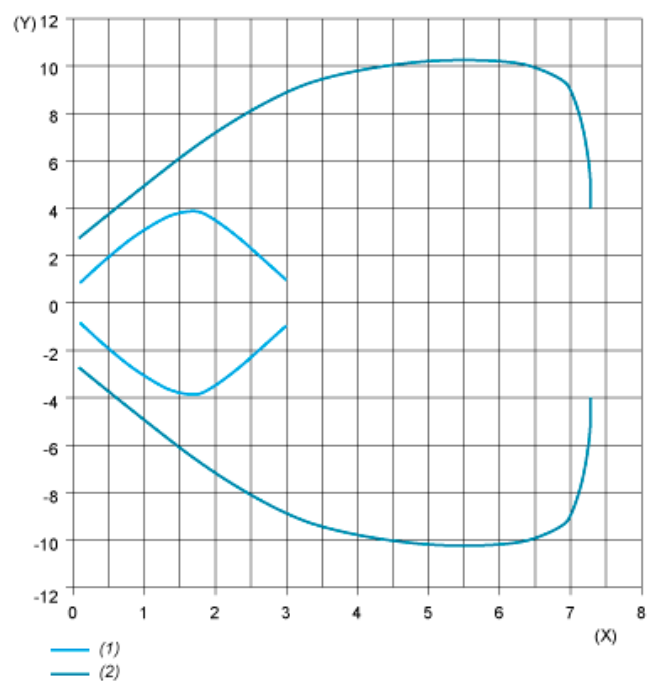


BN : Brown

BU : Blue

BK : Black

Detection Curves



- (1) XUZY08
(2) XUZY50
(Y) Parallel movement (cm)
(X) Distance (m)