



Main

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|-------------------------------|--|
| Range of Product | Telemecanique Photoelectric sensors XU |
| Series name | Application packaging |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUK |
| Sensor design | Compact 50 x 50 |
| Detection system | Reflex |
| 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 | 6.56 ft (2 m) |
| Product Specific Application | Detection of transparent object |
| Emission | Red reflex |
| [Sn] nominal sensing distance | 4.92 ft (1.5 m) reflex need reflector XUZC50 |

Complementary

| | |
|----------------------------|--|
| Enclosure Material | PC |
| Lens material | PMMA |
| Output Type | Solid state |
| Output function governance | Dark |
| Add on output | Without |
| Cable composition | 2 x 0.34 mm ² |
| Wire insulation material | PVC |
| Cable outer diameter | 0.24 in (6 mm) |
| Status LED | 1 LED Output state |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Supply voltage limits | 10...30 V AC/DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 1.5 kHz |
| Maximum voltage drop | <2 V (closed state) |
| Current consumption | <= 35 mA no-load |
| Time delay range | 0.1...5 s monostable, on-delay or off-delay (programmable) |
| Maximum delay first up | 80 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.3 ms |
| Setting-up | Sensitivity adjustment by potentiometer |
| Depth | 1.97 in (50 mm) |
| Height | 1.97 in (50 mm) |
| Width | 0.71 in (18 mm) |
| Net Weight | 0.08 lb(US) (0.035 kg) |
| Kit composition | Bracket XULZ41 Sensor |

Environment

| | |
|---------------------------------------|---|
| Product Certifications | CE UL CSA |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 7 gn +/- 2 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance | 20 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP65 IEC 60529 IP651 NF C 20-010 |

Ordering and shipping details

| | |
|-------------------|------------------------------|
| Category | 22481-SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 3389110077216 |
| Returnability | No |
| Country of origin | ID |

Packing Units

| | |
|------------------------------|-----------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.65 in (4.2 cm) |
| Package 1 Width | 3.82 in (9.7 cm) |
| Package 1 Length | 5.20 in (13.2 cm) |
| Package 1 Weight | 8.96 oz (254.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 7.61 lb(US) (3.45 kg) |

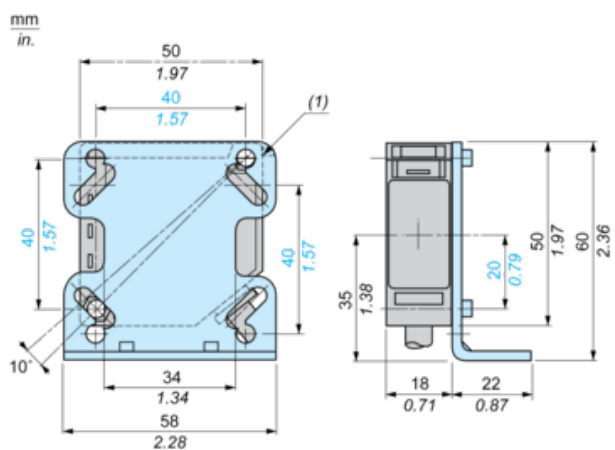
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

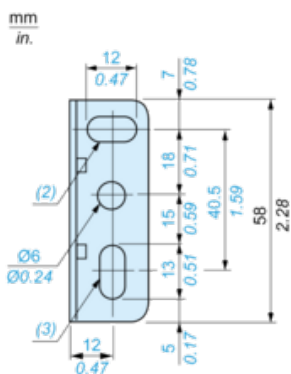
| | |
|----------|-----------|
| Warranty | 18 months |
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Dimensions



(1) Cover locking tongue

Bracket Fixing

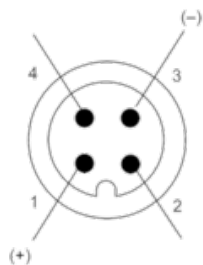


(2) 1 elongated hole Ø 6 x 12

(3) 1 elongated hole Ø 6 x 13

Wiring Schemes

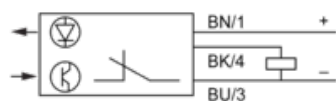
Connector Scheme



- 1 : (+)
- 2 : Alarm output
- 3 : (-)
- 4 : Output signal

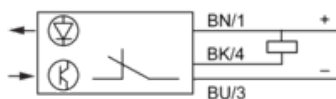
NC Programmed

PNP programmed output



- BN : Brown
- BK : Black
- BU : Blue

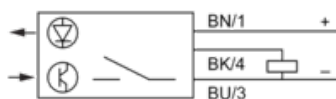
NPN programmed output



- BN : Brown
- BK : Black
- BU : Blue

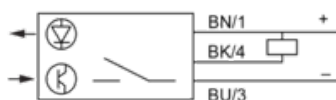
NO Programmed

PNP programmed output



- BN : Brown
- BK : Black
- BU : Blue

NPN programmed output



- BN : Brown
- BK : Black
- BU : Blue

Alarm Output

PNP programmed