

XUVR1218NANM8

Photoelectric sensors XU, XUV, fork,
180X120mm, 12...24 VDC, M8



Main

| | |
|-------------------------------|--|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUVR |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Red LED, modulated |
| Passage width | 180 mm |
| Passage depth | 120 mm |
| Material | Metal/plastic |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO |
| Electrical connection | 1 male connector M8, 3 pins |
| Product specific application | Detection on small conveyor |
| [Sn] nominal sensing distance | 180 mm |

Complementary

| | |
|---------------------------|--|
| Enclosure material | Painted aluminium and polyamide/glass |
| Spot diameter | 1 mm |
| Type of output signal | Discrete |
| Output type | Solid state |
| Status LED | Output state: 1 LED (yellow) |
| [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 | 4000 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | < 20 mA no-load |
| Net weight | 0.19 kg |



Environment

| | |
|---------------------------------------|--|
| Product certifications | CE[RETURN]UL[RETURN]CSA |
| Ambient air temperature for operation | -10...60 °C |
| Ambient air temperature for storage | -40...80 °C |
| Immunity to ambient light | 10000 Lux natural light 5000 lux incandescent bulb |
| Vibration resistance | 7 gn, amplitude = +/- 0.75 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 IP67 |

Packing Units

| | |
|------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

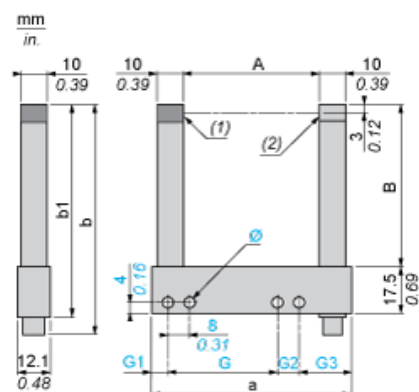
Offer Sustainability

| | |
|----------------------------|---|
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| 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 |

Contractual warranty

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

Dimensions



- (1) Transmission LED
(2) Yellow LED: output signal

Dimensions in mm

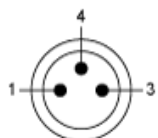
| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | Ø |
|--------------|---------|-----|-------|-----|-----|----|----|----|---------|
| 180 | 124.3 | 204 | 150.2 | 142 | 152 | 22 | 8 | 22 | 4 x 4.3 |

Dimensions in in.

| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | Ø |
|--------------|---------|------|------|------|------|------|------|------|-------------|
| 7.09 | 4.89 | 8.03 | 5.91 | 5.59 | 5.98 | 0.87 | 0.31 | 0.87 | 0.16 x 0.17 |

Wiring Schemes

M8 Connector



- 1 : BN: Brown
- 3 : BU: Blue
- 4 : BK: Black

NPN Output

