



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 | XU2 |
| Sensor design | Cylindrical M18 |
| Detection system | Thru beam |
| Material | Metal |
| Line of sight type | 90° lateral |
| Type of output signal | Discrete |
| Supply circuit type | AC/DC |
| Wiring technique | 2-wire |
| Discrete output function | 1 NO |
| Electrical connection | 1 male connector 1/2"20 UNF, 3 pins |
| Product specific application | - |
| Emission | Infrared thru beam |
| [Sn] nominal sensing distance | 15 m thru beam |

Complementary

| | |
|---------------------------|-----------------------------------------------------------------------------|
| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 20 m |
| Output type | Solid state |
| Add on output | Without |
| Status LED | 1 LED (yellow) for output state 1 LED (red) for instability |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 1.5 mA open state |
| Switching capacity in mA | 10...200 mA (to be used with 0.4 A quick-blow fuse in series with the load) |
| Switching frequency | <= 25 Hz |
| Maximum voltage drop | <6 V (closed state) |
| Maximum delay first up | 300 ms |
| Maximum delay response | 20 ms |
| Maximum delay recovery | 20 ms |
| Setting-up | Sensitivity adjustment |
| Diameter | 18 mm |
| Length | 110 mm |
| Net weight | 0.155 kg |
| Kit composition | Transmitter + receiver XU2M18MC230WKT + XU2M18MA230WKR |

Environment

| | |
|---------------------------------------|---------------------------------------------------------------------------|
| Product certifications | CSA[RETURN]UL[RETURN]CE |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 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 | IP67 conforming to IEC 60529 |

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.1 cm |
| Package 1 Width | 9.4 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 200.0 g |

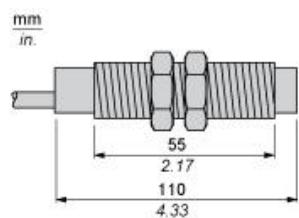
Offer Sustainability

| | |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

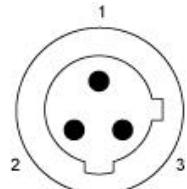
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



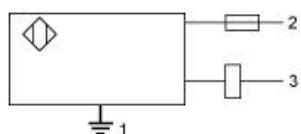
Wiring Schemes

Connector

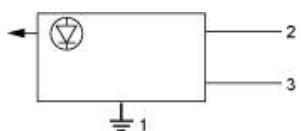


1 : Grounding
2 : AC/DC
3 : AC/DC

2-wire AC or DC



Transmitter



Detection Curves

Thru-beam System

