



Main

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|------------------------------------|--|
| Range of product | OsiSense XT |
| Sensor type | Capacitive proximity sensor |
| Product specific application | Detection of insulated or conductive materials |
| Sensor name | XT2 |
| Sensor design | Cylindrical M18 |
| Size | 78 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Plastic |
| Enclosure material | Plastic |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 8 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Maximum delay response | 15 ms |
| IP degree of protection | IP67 double insulation IEC 60529 |

Complementary

| | |
|---------------------------------|-----------------------------|
| ISO thread | M18 x 1 |
| Detection face | Frontal |
| [Sa] assured operating distance | 0.00...0.23 in (0...5.8 mm) |
| Adjustment zone | 0.00...0.47 in (0...12 mm) |
| Differential travel | < 1...20 % Sr |
| Repeat accuracy | < 5 % Sr |
| Wire insulation material | PVC |

| | |
|---------------------------|---------------------------------------|
| Status LED | Output state indication 1 LED yellow) |
| Supply voltage limits | 10...30 V DC |
| Maximum residual current | 100 mA open state |
| Protection type | Short-circuit protection |
| Switching frequency | <= 200 Hz |
| Maximum voltage drop | <2.5 V closed) |
| Current consumption | < 15 mA |
| Maximum delay first up | 100 ms |
| Maximum delay recovery | 15 ms |
| Maximum switching current | 200 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |
| Threaded length | 1.85 in (47 mm) |
| Length | 3.07 in (78 mm) |
| Net weight | 0.33 lb(US) (0.15 kg) |

Environment

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|---------------------------------------|--|
| Standards | EN/IEC 60947-5-2 |
| Product certifications | CULus |
| Ambient air temperature for operation | 14...140 °F (-10...60 °C) |
| Vibration resistance | 10 gn 1 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms IEC 60068-2-27 |
| Resistance to electrostatic discharge | 4 kV contact IEC 61000-4-2 8 kV air IEC 61000-4-2 |
| Resistance to electromagnetic fields | 2.74 V/yd (3 V/m) IEC 61000-4-3 |
| Resistance to fast transients | 2 kV conforming to IEC 61000-4-4 |

Packing Units

| | |
|------------------|------------------------|
| Package 1 Weight | 0.26 lb(US) (0.120 kg) |
| Package 1 Height | 0.200 dm |
| Package 1 width | 1.350 dm |
| Package 1 Length | 1.400 dm |

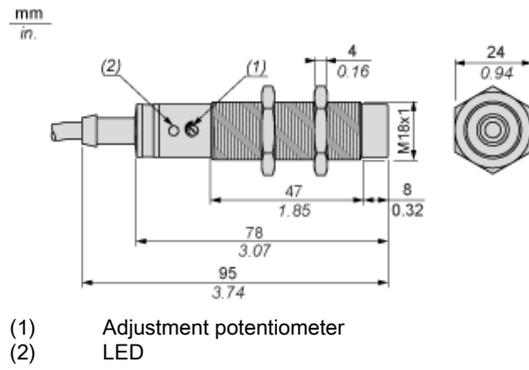
Offer Sustainability

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

Contractual warranty

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

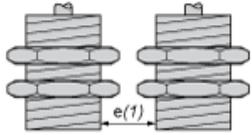
Dimensions



Setting-up

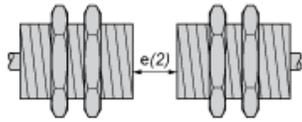
Minimum Mounting Distances (mm)

Side by side



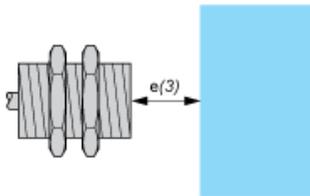
$$e(1) \geq 40$$

Face to face



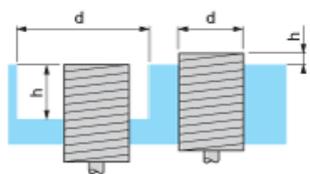
$$e(2) \geq 48$$

Facing a metal object



$$e(3) \geq 24$$

Mounted in support



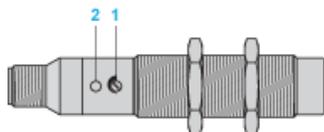
$$d \geq 60$$

$$h \geq 20$$

Fixing nut tightening torque: 3 N.m

Adjustment

Sensitivity Adjustment

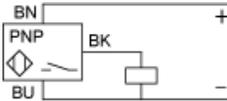


- (1) Adjustment potentiometer
- (2) LED

Wiring Diagram

Pre-cabled

3-wire DC, PNP NO Output



- (BU) Blue
- (BN) Brown
- (BK) Black