

Capacitive proximity sensors XT, cylindrical
M30, plastic, Sn 15 mm, cable 2 m

Main

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|------------------------------------|--|
| Range of product | Telemecanique Capacitive proximity sensors XT |
| Sensor type | Capacitive proximity sensor |
| Product specific application | Detection of insulated or conductive materials |
| Sensor name | XT2 |
| Sensor design | Cylindrical M30 |
| Size | 74.5 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Plastic |
| Enclosure material | Plastic |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 15 mm |
| Discrete output function | 1 NC |
| Output circuit type | AC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC 50...60 Hz |
| Maximum delay response | 30 ms |
| IP degree of protection | IP67 double insulation conforming to IEC 60529 |

Complementary

| | |
|---------------------------------|---|
| ISO thread | M30 x 1.5 |
| Detection face | Frontal |
| [Sa] assured operating distance | 0...11 mm |
| Adjustment zone | 0...17 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 | 20...265 V AC |
| Switching frequency | <= 25 Hz |
| Maximum voltage drop | <10 V (closed) |
| Current consumption | < 4 mA |
| Maximum delay first up | 200 ms |
| Maximum delay recovery | 30 ms |
| Maximum switching current | 300 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |
| Threaded length | 48.5 mm |
| Length | 74.5 mm |
| Net weight | 0.27 kg |

Environment

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

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.0 cm |
| Package 1 Width | 13.0 cm |
| Package 1 Length | 14.0 cm |
| Package 1 Weight | 161.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 30 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 5.25 kg |

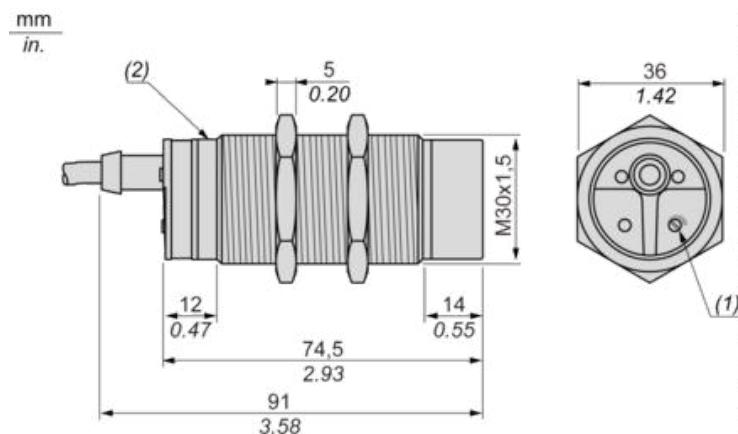
Offer Sustainability

| | |
|--|---|
| Toxic heavy metal free | Yes |
| 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



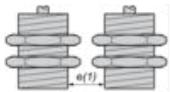
(1) Adjustment potentiometer

(2) LED

Setting-up

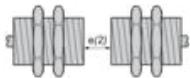
Minimum Mounting Distances (mm)

Side by side



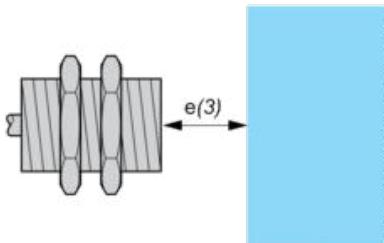
$e(1) \geq 60$

Face to face



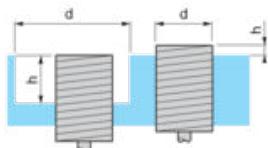
$e(2) \geq 90$

Facing a metal object



$e(3) \geq 45$

Mounted in support



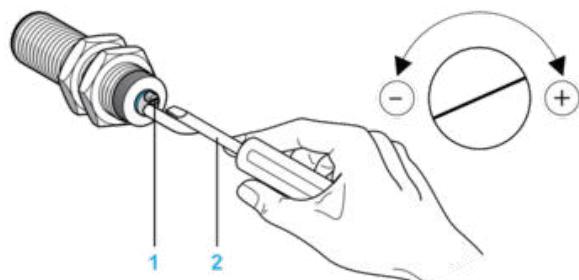
$d \geq 90$

$h \geq 30$

Fixing nut tightening torque: 8 N.m

Adjustment

Sensitivity Adjustment



(1) Adjustment potentiometer

(2) Screwdriver (included with sensor)

Wiring Diagram

Pre-cabled

2-wire AC NC Output



(BU) Blue

(BN) Brown