

XT130B1PCL2

capacitive sensor - XT1 - cylindrical M30 -
brass - Sn 10 mm - cable 2 m



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 | XT1 |
| Sensor design | Cylindrical M30 |
| Size | 70 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 10 mm |
| Discrete output function | 1 NC + 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24 V DC with reverse polarity protection |
| Delay response | <= 5 ms |
| IP degree of protection | IP67 conforming to IEC 60529 IP67 conforming to IEC 60947-5-2 |

Complementary

| | |
|---------------------------------|--|
| ISO thread | M30 x 1.5 |
| Detection face | Frontal |
| [Sa] assured operating distance | 0...7.2 mm |
| Adjustment zone | 2...20 mm |
| Differential travel | < 0.2 x Sr |
| Repeat accuracy | < 0.1 x Sr |
| Wire insulation material | PVC |
| Status LED | 1 LED (yellow) for output state indication |
| Supply voltage limits | 12...30 V DC |
| Residual current | < 0.1 mA (open state) |
| Protection type | Short-circuit protection |
| Switching frequency | <= 150 Hz |
| Voltage drop | <= 2 V (closed) |
| Current consumption | < 15 mA |
| Delay first up | <= 30 ms |
| Delay recovery | <= 5 ms |
| Maximum switching current | 200 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |
| Threaded length | 55 mm |

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|----------------|---------|
| Length | 70 mm |
| Product weight | 0.27 kg |

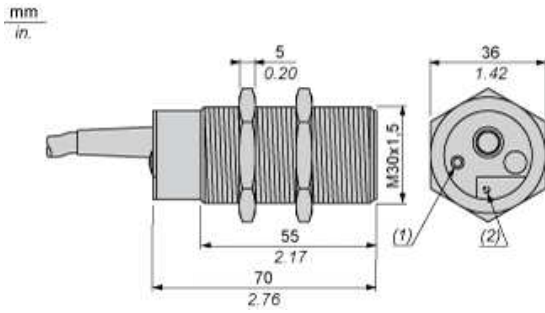
Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947-5-2 |
| Product certifications | CETLus |
| Ambient air temperature for operation | -25...70 °C |
| Vibration resistance | 10 gn amplitude = 1 mm (10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 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 |

Offer Sustainability

| | |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0727 - Schneider Electric declaration of conformity |

Dimensions

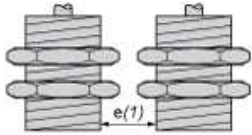


- (1) LED
- (2) Potentiometer beneath protective flap

Setting-up

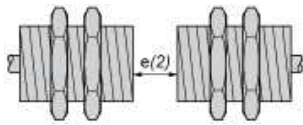
Minimum Mounting Distances (mm)

Side by side



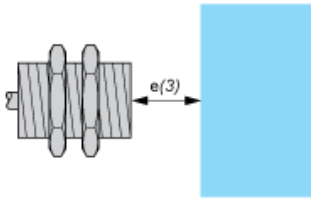
$e(1) \geq 0$

Face to face



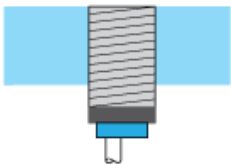
$e(2) \geq 22$

Facing a metal object



$e(3) \geq 20$

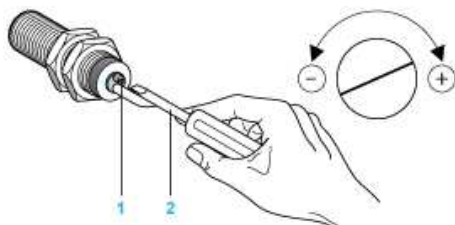
Mounted in support



Fixing nut tightening torque: 40 N.m

Adjustment

Sensitivity Adjustment

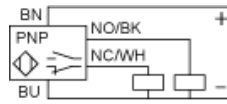


- (1) Adjustment potentiometer
- (2) Screwdriver (included with sensor)

Wiring Diagram

Pre-cabled

4-wire DC, PNP NO + NC Output, Precabled



(BU) Blue
(BN) Brown
(BK) Black
(WH) White