# Product data sheet
## Characteristics

# XT132B1FAL2
capacitive sensor - XT1 - cylindrical Ø 32 mm - brass - Sn 15 mm - cable 2 m

### Main

| | |
|---|---|
| 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 Ø 32 mm plain |
| Size | 80 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 15 mm |
| Discrete output function | 1 NO |
| Output circuit type | AC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC 50...60 Hz |
| Delay response | <= 30 ms |
| IP degree of protection | IP67 conforming to IEC 60947-5-2<br>IP67 conforming to IEC 60529 |

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### Complementary

| | |
|---|---|
| Detection face | Frontal |
| [Sa] assured operating distance | 0...11 mm |
| Adjustment zone | 0...20 mm |
| Differential travel | < 0.2 x Sr |
| Repeat accuracy | < 0.15 x Sr |
| Wire insulation material | PVC |
| Status LED | 1 LED (yellow) for output state indication |
| Supply voltage limits | 20...264 V AC |
| Residual current | < 5 mA (open state) |
| Switching frequency | <= 15 Hz |
| Voltage drop | <= 10 V (closed) |
| Current consumption | < 4 mA |
| Delay first up | <= 200 ms |
| Delay recovery | <= 30 ms |
| Maximum switching current | 300 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |
| Length | 80 mm |
| Product weight | 0.4 kg |

## Environment

| | |
|---|---|
| Standards | EN/IEC 60947-5-2 |
| Product certifications | CULus |
| 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<br>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

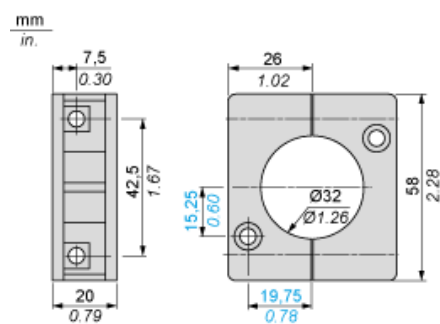| | |
|---|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Will be compliant  on  3Q2013 |

## Contractual warranty

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

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## Dimensions
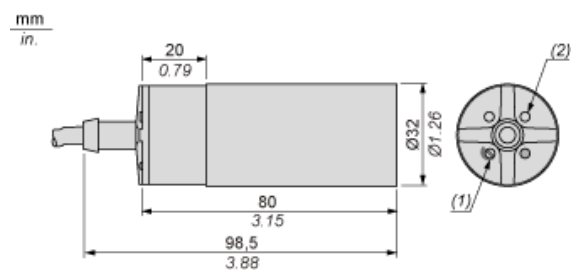


(1)   Adjustment potentiometer
(2)   LED

## Mounting Accessory Included
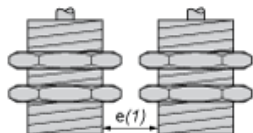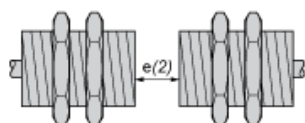
## Setting-up

### Minimum Mounting Distances (mm)

Side by side
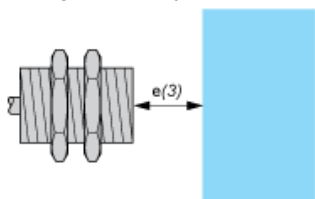


e(1) ≥ 0

Face to face



e(2) ≥ 33
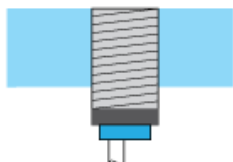
Facing a metal object



e(3) ≥ 30

Mounted in support

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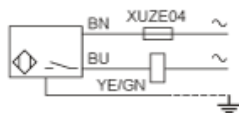
## Wiring Diagram

### Pre-cabled

2-wire AC NO Output



(BU)  Blue
(BN)  Brown
(YE/  Yellow/Green
GN)