

XT118B1FBL2

capacitive sensor - XT1 - cylindrical M18 -
brass - Sn 5mm - cable 2m



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 M18 |
| 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 | 2-wire |
| [Sn] nominal sensing distance | 0.20 in (5 mm) |
| Discrete output function | 1 NC |
| Output circuit type | AC |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 24...240 V AC 50...60 Hz |
| Maximum delay response | 20 ms |
| IP degree of protection | IP67 IEC 60529 IP67 IEC 60947-5-2 |

Complementary

| | |
|---------------------------------|---------------------------------------|
| ISO thread | M18 x 1 |
| Detection face | Frontal |
| [Sa] assured operating distance | 0.00...0.14 in (0...3.6 mm) |
| Adjustment zone | 0.04...0.20 in (1...5 mm) |
| Differential travel | < 0.2 x Sr |
| Repeat accuracy | < 0.1 x Sr |
| Wire insulation material | PVC |
| Status LED | Output state indication 1 LED yellow) |
| Supply voltage limits | 20...264 V AC |
| Maximum residual current | 5 mA open state |
| Switching frequency | <= 25 Hz |
| Maximum voltage drop | <6 V closed) |
| Current consumption | < 3 mA |
| Maximum delay first up | 100 ms |
| Maximum delay recovery | 20 ms |
| Maximum switching current | 330 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |
| Threaded length | 2.17 in (55 mm) |
| Length | 2.76 in (70 mm) |
| Net Weight | 0.33 lb(US) (0.15 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947-5-2 |
| Product certifications | CETLus |
| Ambient air temperature for operation | -13...158 °F (-25...70 °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/m (3 V/m) IEC 61000-4-3 |
| Resistance to fast transients | 2 kV IEC 61000-4-4 |




Ordering and shipping details

| | |
|-----------------------|----------------------------|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901990079 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.31 lb(US) (0.14 kg) |
| Returnability | No |
| Country of origin | DE |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.02 in (2.6 cm) |
| Package 1 width | 5.98 in (15.2 cm) |
| Package 1 Length | 6.06 in (15.4 cm) |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 4.94 oz (140 g) |
| Package 2 Height | 0.04 in (0.1 cm) |
| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 8.27 in (21 cm) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 40 |
| Package 3 Weight | 13.44 lb(US) (6.096 kg) |
| Package 3 Height | 5.91 in (15 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

Offer Sustainability

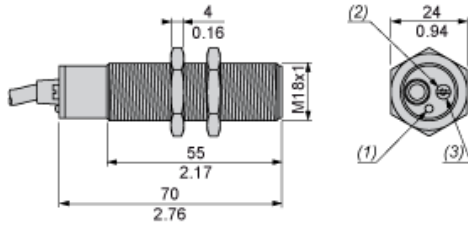
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

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

Dimensions

$\frac{\text{mm}}{\text{in.}}$

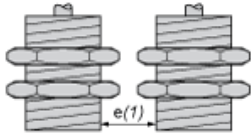


- (1) LED
- (2) Sealing screw
- (3) Potentiometer beneath sealing screw

Setting-up

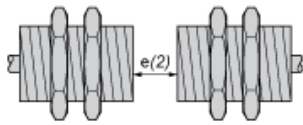
Minimum Mounting Distances (mm)

Side by side



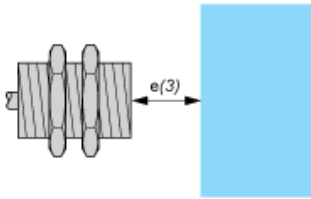
$e(1) \geq 0$

Face to face



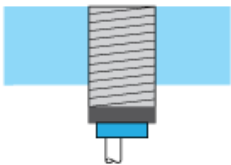
$e(2) \geq 11$

Facing a metal object



$e(3) \geq 10$

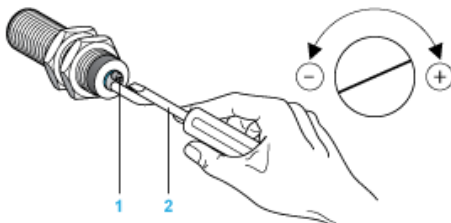
Mounted in support



Fixing nut tightening torque: 28 N.m

Adjustment

Sensitivity Adjustment

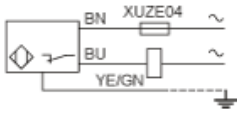


- (1) Adjustment potentiometer
- (2) Screwdriver (included with sensor)

Wiring Diagram

Pre-cabled

2-wire AC NC Output



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