

XT218A1FAL2

Capacitive proximity sensors XT, cylindrical
M18, plastic, Sn 8 mm, cable 2 m



Main

| | |
|------------------------------------|--|
| 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 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 | 2-wire |
| [Sn] nominal sensing distance | 8 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 |
| Maximum delay response | 30 ms |
| IP degree of protection | IP67 double insulation conforming to IEC 60529 |

Complementary

| | |
|---------------------------------|---|
| ISO thread | M18 x 1 |
| Detection face | Frontal |
| [Sa] assured operating distance | 0...5.8 mm |
| Adjustment zone | 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 | 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 | 47 mm |
| Length | 78 mm |
| Net weight | 0.15 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

| | |
|---------------------------------------|--|
| 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 | 2.0 cm |
| Package 1 Width | 14.0 cm |
| Package 1 Length | 14.0 cm |
| Package 1 Weight | 120.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 5.212 kg |

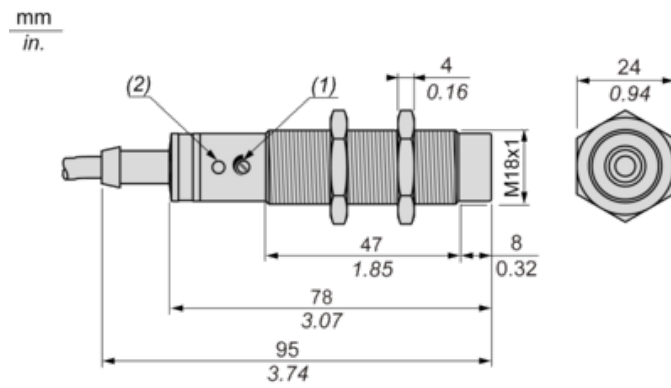
Offer Sustainability

| | |
|--|---|
| Toxic heavy metal free | Yes |
| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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

Dimensions



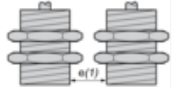
(1) Adjustment potentiometer

(2) LED

Setting-up

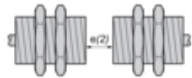
Minimum Mounting Distances (mm)

Side by side



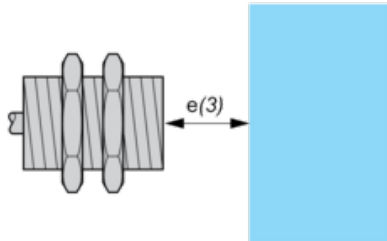
$e(1) \geq 40$

Face to face



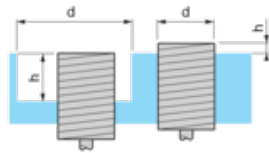
$e(2) \geq 48$

Facing a metal object



$e(3) \geq 24$

Mounted in support



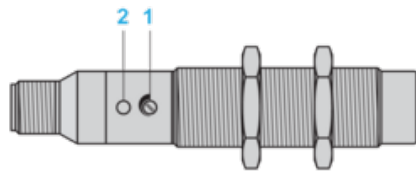
$d \geq 60$

$h \geq 20$

Fixing nut tightening torque: 3 N.m

Adjustment

Sensitivity Adjustment



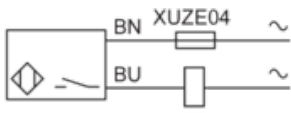
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(2) LED

Wiring Diagram

Pre-cabled

2-wire AC NO Output



(BU) Blue

(BN) Brown