

XT218A1PAL2

Telemecanique 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 | 3-wire |
| [Sn] nominal sensing distance | 0.31 in (8 mm) |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Maximum delay response | 15 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 | 0.00...0.23 in (0...5.8 mm) |
| Adjustment zone | 0.00...0.47 in (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 | 10...30 V DC |
| Maximum residual current | 100 mA open state |
| Protection Type | Short-circuit protection |
| Switching frequency | <= 200 Hz |
| Maximum voltage drop | <2.5 V closed) |
| Current consumption | < 15 mA |
| Maximum delay first up | 100 ms |
| Maximum delay recovery | 15 ms |
| Maximum switching current | 200 mA |
| Marking | CE |
| Setting-up | Sensitivity by potentiometer |

| | |
|-----------------|-----------------------|
| Threaded length | 1.85 in (47 mm) |
| Length | 3.07 in (78 mm) |
| Net Weight | 0.33 lb(US) (0.15 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947-5-2 |
| Product Certifications | cULus |
| Ambient air temperature for operation | 14...140 °F (-10...60 °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 | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 3389119025997 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.23 oz (120 g) |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 0.98 in (2.5 cm) |
| Package 1 width | 8.27 in (21 cm) |
| Package 1 Length | 5.91 in (15 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Weight | 11.15 lb(US) (5.056 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

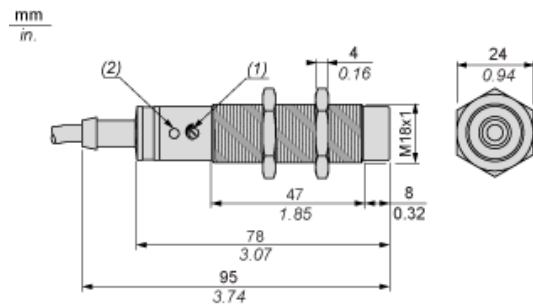
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

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

Dimensions

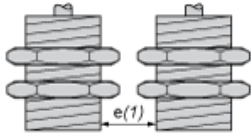


- (1) Adjustment potentiometer
- (2) LED

Setting-up

Minimum Mounting Distances (mm)

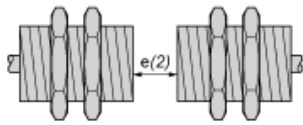
Side by side



e(1) 40

≥

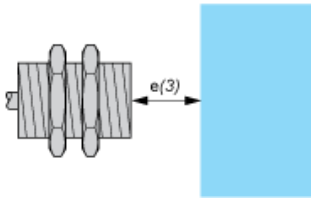
Face to face



e(2) 48

≥

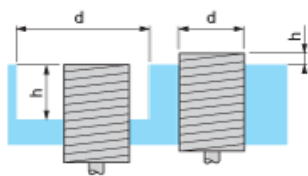
Facing a metal object



e(3) 24

≥

Mounted in support



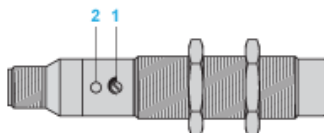
d ≥ 60

h ≥ 20

Fixing nut tightening torque: 3 N.m

Adjustment

Sensitivity Adjustment



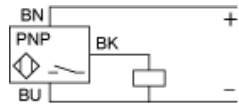
(1) Adjustment potentiometer

(2) LED

Wiring Diagram

Pre-cabled

3-wire DC, PNP NO Output



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