

# XT232A1FAL2

capacitive sensor - XT1 - cylindrical Ø 32 mm - plastic - Sn 20 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	XT2
Sensor design	Cylindrical Ø 32 mm plain
Size	80 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	0.79 in (20 mm)
Discrete output function	1 NO
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 24 V DC
Maximum delay response	30 ms
IP degree of protection	IP67 double insulation IEC 60529

## Complementary

Detection face	Frontal
[Sa] assured operating distance	0.00...0.59 in (0...15 mm)
Adjustment zone	0.00...0.87 in (0...22 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	<= 15 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
Length	3.15 in (80 mm)
Net Weight	0.88 lb(US) (0.4 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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	00785901436386
Nbr. of units in pkg.	1
Package weight(Lbs)	0.45 lb(US) (0.20 kg)
Returnability	No
Country of origin	CN

## Packing Units

Package 1 Height	0.400 dm
Package 1 width	1.300 dm
Package 1 Length	1.400 dm

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

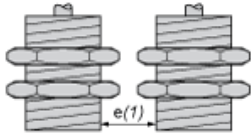
Warranty	18 months
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## Setting-up

### Minimum Mounting Distances (mm)

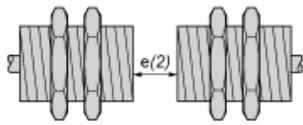
Side by side



$e(1) \geq 65$

$\geq$

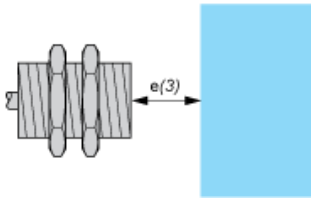
Face to face



$e(2) \geq 120$

$\geq$

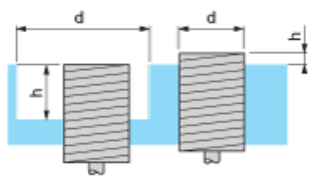
Facing a metal object



$e(3) \geq 60$

$\geq$

Mounted in support

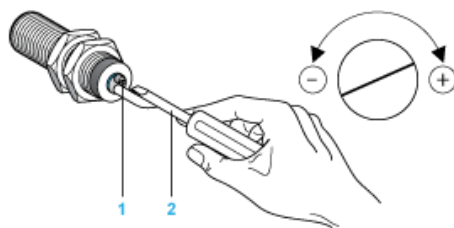


$d \geq 100$

$h \geq 30$

## Adjustment

### Sensitivity Adjustment



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

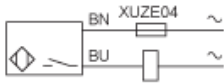
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## Wiring Diagram

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### Pre-cabled

2-wire AC NO Output



(BU) Blue  
(BN) Brown