

## Product data sheet

### Characteristics

# XT230A1FBL2

capacitive sensor - XT1 - cylindrical M30 - plastic  
- Sn 15 mm - cable 2 m

Product availability : Stock - Normally stocked in distribution facility



### 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 M30
Size	74.5 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	0.59 in (15 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
Delay response	< 30 ms
IP degree of protection	IP67 double insulation conforming to IEC 60529

### Complementary

ISO thread	M30 x 1.5
Detection face	Frontal
[Sa] assured operating distance	0...0.43 in (0...11 mm)
Adjustment zone	0...0.67 in (0...17 mm)

Differential travel	< 1...20 % Sr
Repeat accuracy	< 5 % Sr
Wire insulation material	PVC
Status LED	1 LED (yellow) output state indication
Supply voltage limits	20...265 V AC
Switching frequency	<= 25 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
Threaded length	1.91 in (48.5 mm)
Length	2.93 in (74.5 mm)
Product weight	0.6 lb(US) (0.27 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 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 8 kV (air) conforming to IEC 61000-4-2
Resistance to electromagnetic fields	2.74 V/yd (3 V/m) conforming to IEC 61000-4-3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4

## Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	00785901505587
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	Y
Country of origin	CN

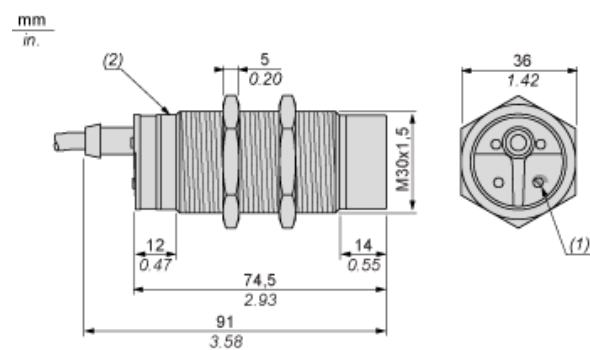
## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0918 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>

## Contractual warranty

Warranty period	18 months
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## Dimensions

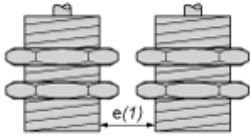


- (1) Adjustment potentiometer  
(2) LED

## Setting-up

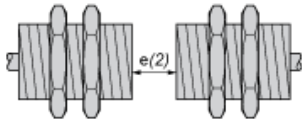
### Minimum Mounting Distances (mm)

Side by side



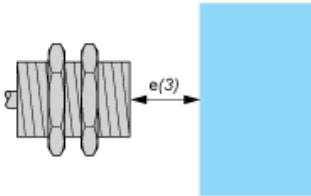
$e(1) \geq 60$

Face to face



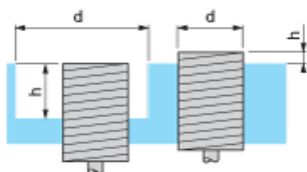
$e(2) \geq 90$

Facing a metal object



$e(3) \geq 45$

Mounted in support



$d \geq 90$

$h \geq 30$

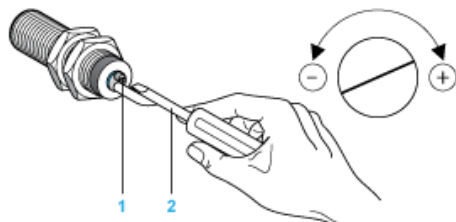
Fixing nut tightening torque: 8 N.m

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## Adjustment

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### Sensitivity Adjustment



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

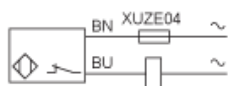
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## Wiring Diagram

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### Pre-cabled

2-wire AC NC Output



(BU) Blue  
(BN) Brown