Product data sheet
Characteristics

XT232A1FBL2
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	20 mm
Discrete output function	1 NC
Output circuit type	AC
Electrical connection	Cable
Cable length	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

Detection face	Frontal
[Sa] assured operating distance	0...15 mm
Adjustment zone	0...22 mm
Differential travel	< 1...20 % Sr
Repeat accuracy	< 5 % Sr
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state indication
Supply voltage limits	20...265 V AC
Switching frequency	<= 15 Hz

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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
Length	80 mm
Product weight	0.4 kg

Environment

|	
Standards	EN/IEC 60947-5-2
Product certifications	cULus
Ambient air temperature for operation	-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	3 V/m conforming to IEC 61000-4-3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0918 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity

Contractual warranty

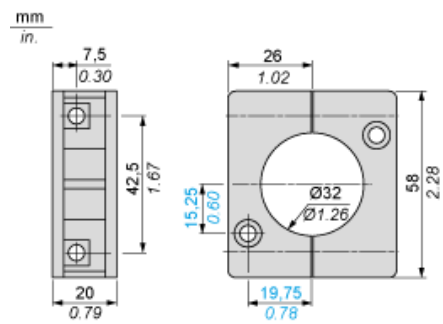|	
Warranty period	18 months

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XT232A1FBL2

Dimensions
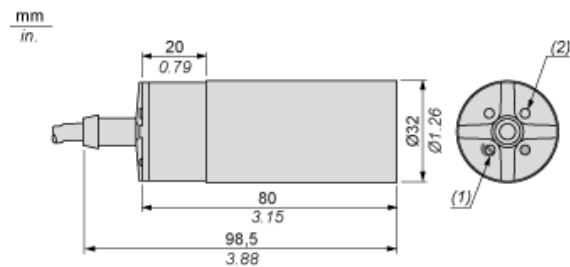
(1)   Adjustment potentiometer
(2)   LED

Mounting Accessory Included

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Setting-up

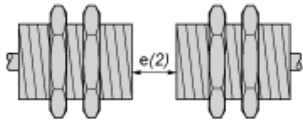### Minimum Mounting Distances (mm)

Side by side
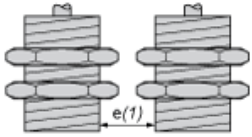
e(1) ≥   65

Face to face

e(2) ≥   120

Facing a metal object
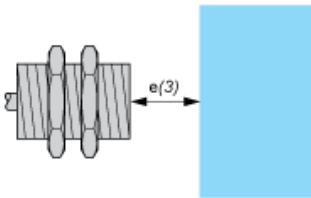
e(3) ≥   60

Mounted in support
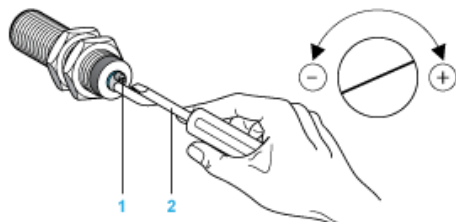

d ≥   100
h ≥   30

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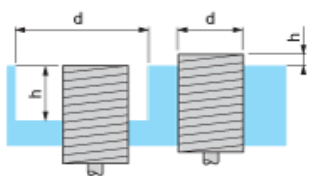
Adjustment

Sensitivity Adjustment

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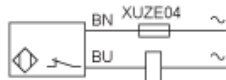(2)   Screwdriver (included with sensor)

Wiring Diagram

Pre-cabled

2-wire AC NC Output

(BU)   Blue
(BN)   Brown