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	6.56 ft (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 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)

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/yd (3 V/m) IEC 61000-4-3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4

Packing Units

Package 1 Weight	0.46 lb(US) (0.210 kg)
Package 1 Height	0.400 dm
Package 1 width	1.300 dm
Package 1 Length	1.400 dm

Offer Sustainability

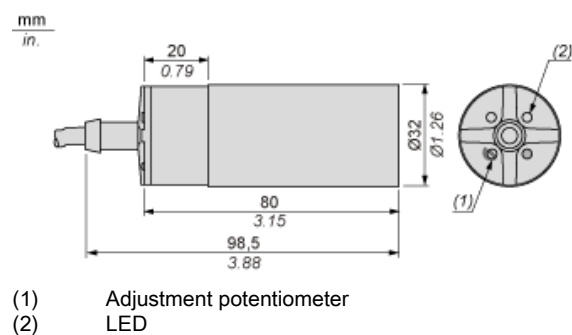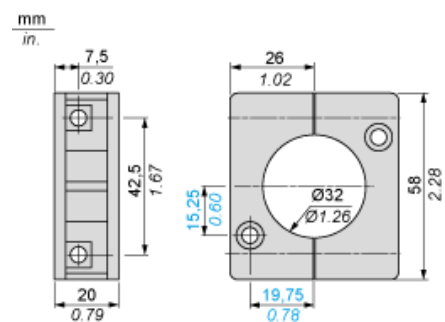|	
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

Life Is On | Schneider Electric

XT232A1FBL2

Dimensions

(1) Adjustment potentiometer
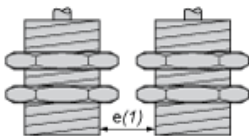(2) LED

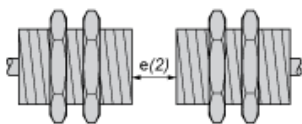## Mounting Accessory Included

Setting-up

Minimum Mounting Distances (mm)

Side by side
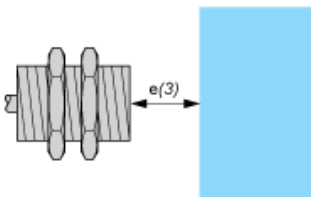
$e(1) \geq$ 65

Face to face
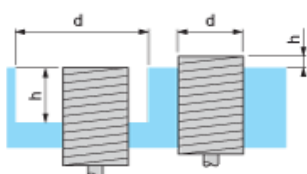
$e(2) \geq$ 120

Facing a metal object

$e(3) \geq$ 60

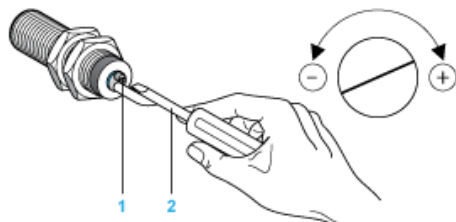Mounted in support
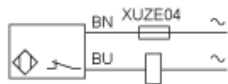
$d \geq$ 100
$h \geq$ 30

XT232A1FBL2

Adjustment

Sensitivity Adjustment

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

Life Is On | Schneider Electric

Wiring Diagram

Pre-cabled

2-wire AC NC Output

(BU)   Blue
(BN)   Brown

Life Is On | Schneider Electric