

XT132B1FAL2

capacitive sensor - XT1 - cylindrical Ø 32 mm -
brass - Sn 15 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	XT1
Sensor design	Cylindrical Ø 32 mm plain
Size	80 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel Plated Brass
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	0.59 in (15 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
Maximum delay response	30 ms
IP degree of protection	IP67 IEC 60529 IP67 IEC 60947-5-2

Complementary

Detection face	Frontal
[Sa] assured operating distance	0.00...0.43 in (0...11 mm)
Adjustment zone	0.00...0.79 in (0...20 mm)
Differential travel	< 0.2 x Sr
Repeat accuracy	< 0.15 x Sr
Wire insulation material	PVC
Status LED	Output state indication 1 LED yellow)
Supply voltage limits	20...264 V AC
Maximum residual current	5 mA open state
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	-13...158 °F (-25...70 °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	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901563426
Nbr. of units in pkg.	1
Package weight(Lbs)	0.6 lb(US) (0.27 kg)
Returnability	No
Country of origin	CN

Packing Units

Package 1 Height	0.450 dm
Package 1 width	1.200 dm
Package 1 Length	1.300 dm

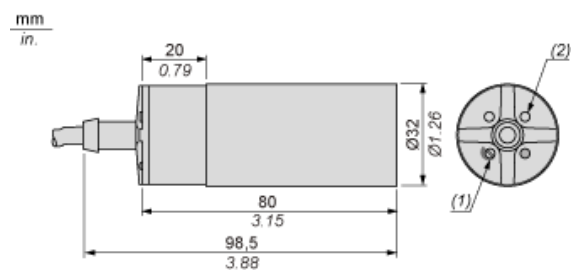
Offer Sustainability

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 www.P65Warnings.ca.gov
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

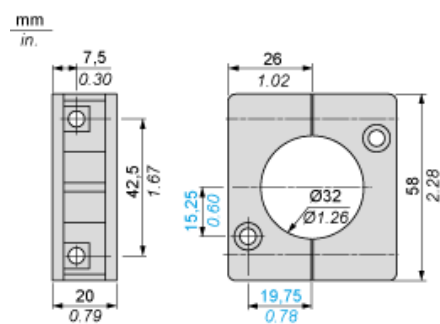
Warranty	18 months
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Dimensions



- (1) Adjustment potentiometer
(2) LED

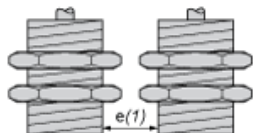
Mounting Accessory Included



Setting-up

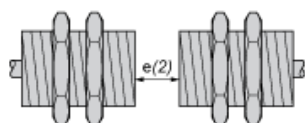
Minimum Mounting Distances (mm)

Side by side



$e(1) \geq 0$

Face to face



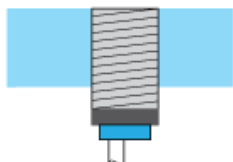
$e(2) \geq 33$

Facing a metal object



$e(3) \geq 30$

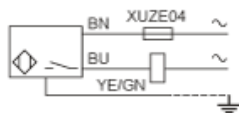
Mounted in support



Wiring Diagram

Pre-cabled

2-wire AC NO Output



(BU) Blue

(BN) Brown

(YE/ Yellow/Green
GN)