## Product data sheet Characteristics

## XT130B1PAL2

capacitive sensor - XT1 - cylindrical M30 - brass - Sn 10 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 M30
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel Plated Brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	24 V DC reverse polarity protection
Maximum delay response	5 ms
IP degree of protection	IP67 IEC 60529 IP67 IEC 60947-5-2

#### Complementary

Complementary		
ISO thread	M30 x 1.5	
Detection face	Frontal	
[Sa] assured operating distance	0.000.28 in (07.2 mm)	
Adjustment zone	0.080.79 in (220 mm)	
Differential travel	< 0.2 x Sr	
Repeat accuracy	< 0.1 x Sr	
Wire insulation material	PVC	
Status LED	Output state indication 1 LED yellow)	
Supply voltage limits	1230 V DC	
Maximum residual current	0.1 mA open state	
Protection type	Short-circuit protection	
Switching frequency	<= 150 Hz	
Maximum voltage drop	<2 V closed)	
Current consumption	< 15 mA	
Maximum delay first up	30 ms	
Maximum delay recovery	5 ms	
Maximum switching current	200 mA	
Marking	CE	
Setting-up	Sensitivity by potentiometer	
Threaded length	2.17 in (55 mm)	

Length	2.76 in (70 mm)
Net Weight	0.60 lb(US) (0.27 kg)

#### Environment

EN/IEC 60947-5-2	
CETLus	
-13158 °F (-2570 °C)	
10 gn 1 mm 1055 Hz)IEC 60068-2-6	
30 gn 11 ms IEC 60068-2-27	
4 KV contact IEC 61000-4-2 8 kV air IEC 61000-4-2	
2.74 V/m (3 V/m) IEC 61000-4-3	
2 kV IEC 61000-4-4	
	CETLus -13158 °F (-2570 °C) 10 gn 1 mm 1055 Hz)IEC 60068-2-6 30 gn 11 ms IEC 60068-2-27 4 KV contact IEC 61000-4-2 8 kV air IEC 61000-4-2 2.74 V/m (3 V/m) IEC 61000-4-3

#### Ordering and shipping details

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Category	22490 - SENSORS-ULTRASONIC (XX5,6)	
Discount Schedule	DS2	
GTIN	00785901632016	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.6 lb(US) (0.27 kg)	
Returnability	Yes	
Country of origin	DE	

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	5.51 in (14 cm)
Package 1 Length	6.18 in (15.7 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	10.37 oz (294 g)
Package 2 Height	1.38 in (3.5 cm)
Package 2 width	5.51 in (14 cm)
Package 2 Length	6.18 in (15.7 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	25
Package 3 Weight	16.04 lb(US) (7.274 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

# Offer Sustainability California proposition 65

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	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant EEEU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	nformation	

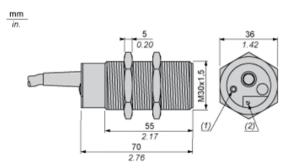
#### Contractual warranty

	•	
14/	10 "	
Warranty	18 months	
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# Product data sheet Dimensions Drawings

# XT130B1PAL2

#### **Dimensions**



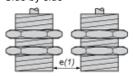
- (1) LED
- (2) Potentiometer beneath protective flap

# XT130B1PAL2

#### Setting-up

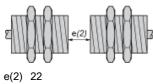
#### Minimum Mounting Distances (mm)

Side by side

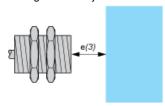


e(1) 0

Face to face



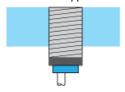
Facing a metal object



e(3) 20

o(o, \_ ≥

Mounted in support



Fixing nut tightening torque: 40 N.m

#### Adjustment

#### Sensitivity Adjustment



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

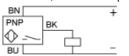
## Product data sheet Connections and Schema

# XT130B1PAL2

## Wiring Diagram

#### Pre-cabled

3-wire DC, PNP NO Output, Pre-cabled



(BU) Blue

(BN) Brown

(BK) Black