

XT230A1PCM12

capacitive sensor - XT1 - cylindrical M30 -
plastic - Sn 15 mm - 12..24 V DC

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	4-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NC + 1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Delay response	< 15 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
Status LED	1 LED (yellow) output state indication
Supply voltage limits	10...30 V DC
Residual current	<= 100 mA (open state)
Protection type	Short-circuit protection
Switching frequency	<= 150 Hz
Voltage drop	< 2.5 V (closed)
Current consumption	< 25 mA
Delay first up	< 100 ms
Delay recovery	< 15 ms
Maximum switching current	400 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	0.33 lb(US) (0.15 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	003389119026055
Nbr. of units in pkg.	1
Package weight(Lbs)	0.17000000000000001
Returnability	Y
Country of origin	CN

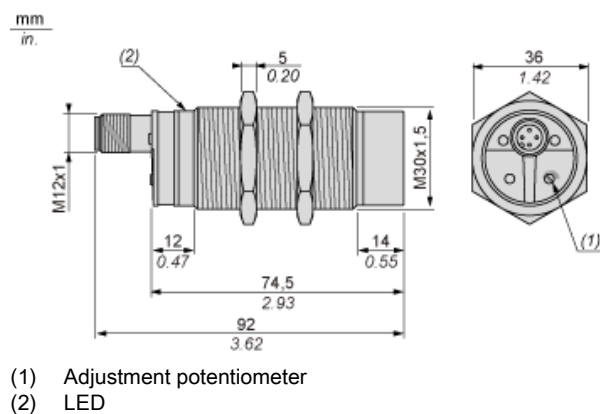
Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0918 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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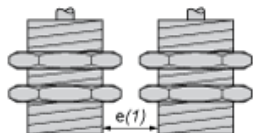
Dimensions



Setting-up

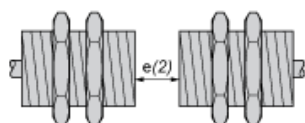
Minimum Mounting Distances (mm)

Side by side



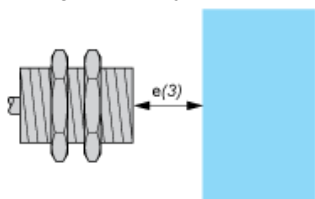
$e(1) \geq 60$

Face to face



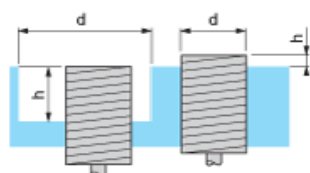
$e(2) \geq 90$

Facing a metal object



$e(3) \geq 45$

Mounted in support



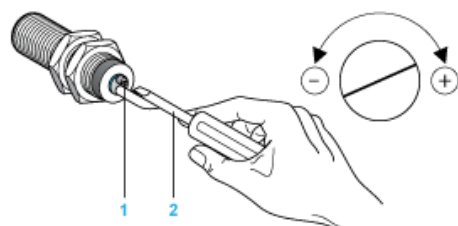
$d \geq 90$

$h \geq 30$

Fixing nut tightening torque: 8 N.m

Adjustment

Sensitivity Adjustment

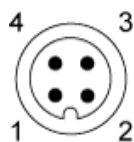


- (1) Adjustment potentiometer
- (2) Screwdriver (included with sensor)

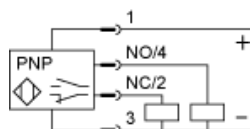
Wiring Diagram

Connector Version

M12 connector



4-wire DC, PNP NO + NC Output, M12



Mouser Electronics

Authorized Distributor

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