Product data sheet
Characteristics

XT218A1FAL2
capacitive sensor - XT1 - cylindrical M18 - plastic - Sn 8 mm - cable 2m

Product availability : Non-Stock - Not normally stocked in distribution facility

Price* : 147.00 USD



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 M18
Size	78 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	0.31 in (8 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
Delay response	< 30 ms
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

ISO thread	M18 x 1
Detection face	Frontal
[Sa] assured operating distance	0...0.23 in (0...5.8 mm)
Adjustment zone	0...0.47 in (0...12 mm)
Differential travel	< 1...20 % Sr
Repeat accuracy	< 5 % Sr
Wire insulation material	PVC
Status LED	1 LED (yellow) output state indication

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Supply voltage limits	20...265 V AC
Switching frequency	<= 25 Hz
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
Threaded length	1.85 in (47 mm)
Length	3.07 in (78 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	00785901769415
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14000000000000001
Returnability	N
Country of origin	CN

Offer Sustainability

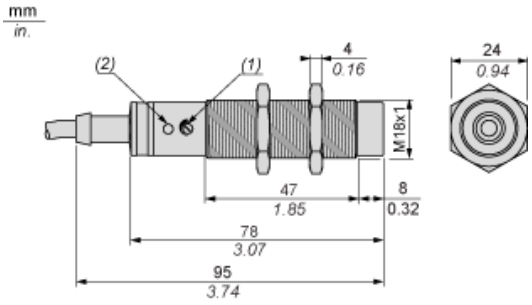
RoHS (date code: YYWW)	Compliant - since 0918 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Diisononyl phthalate (DINP) which is known to the 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

XT218A1FAL2

Dimensions

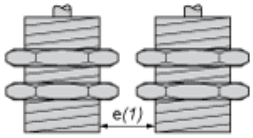


(1) Adjustment potentiometer
(2) LED

Setting-up

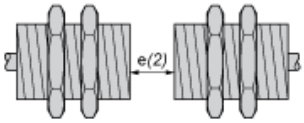
Minimum Mounting Distances (mm)

Side by side



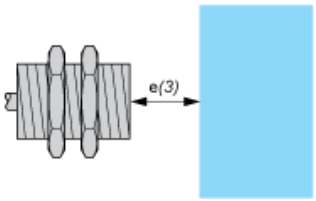
e(1) ≥ 40

Face to face



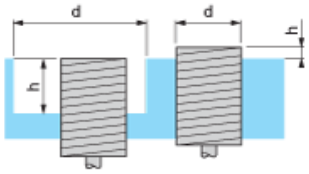
e(2) ≥ 48

Facing a metal object



e(3) ≥ 24

Mounted in support

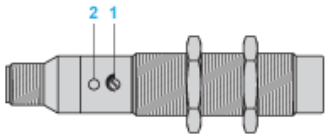


d ≥ 60
h ≥ 20

Fixing nut tightening torque: 3 N.m

Adjustment

Sensitivity Adjustment

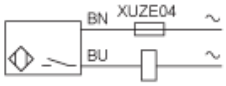


(1) Adjustment potentiometer
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Wiring Diagram

Pre-cabled

2-wire AC NO Output



(BU) Blue
(BN) Brown