

# Product data sheet

## Characteristics

# XT230A1NAL2

Telemecanique Capacitive proximity sensors  
XT, cylindrical M30, plastic, Sn 15 mm, cable 2  
m



## Main

Range of product	Telemecanique Capacitive proximity sensors 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	3-wire
[Sn] nominal sensing distance	15 Mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	2 M
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Maximum delay response	10 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...11 Mm
Adjustment zone	0...17 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	10...30 V DC
Maximum residual current	100 MA open state
Protection type	Short-circuit protection
Switching frequency	<= 150 Hz

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Current consumption	< 15 mA
Maximum delay first up	100 Ms
Maximum delay recovery	10 Ms
Maximum switching current	200 MA
Marking	CE
Setting-up	Sensitivity by potentiometer
Threaded length	48.5 Mm
Length	74.5 Mm
Net weight	0.27 Kg




## Environment

Standards	EN/IEC 60947-5-2
Product certifications	CULus
Ambient air temperature for operation	-10...60 °C
Vibration resistance	10 gn amplitude = 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 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	3 V/M conforming to IEC 61000-4-3
Resistance to fast transients	2 KV conforming to IEC 61000-4-4

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	160.0 G
Package 1 Height	3 Cm
Package 1 width	13 Cm
Package 1 Length	13 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Weight	5.185 Kg
Package 2 Height	15 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**