

XT230A1PAL2

capacitive sensor - XT1 - cylindrical M30 -
plastic - Sn 15 mm - cable 2 mm



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	3-wire
[Sd] sensing range	8...15 m
[Sn] nominal sensing distance	15 m
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
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 m
Adjustment zone	0...17 mm
Differential travel	< 1...20 % Sr
Repeat accuracy	< 5 % Sr
Wire insulation material	PVC
Status LED	1 LED (yellow) for 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	< 15 mA
Delay first up	< 100 ms
Delay recovery	< 10 ms
Maximum switching current	200 mA
Marking	CE
Setting-up	Sensitivity by potentiometer
Threaded length	48.5 mm
Product weight	0.27 kg

Environment

Standards	EN/IEC 60947-5-2
Ambient air temperature for operation	-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	3 V/m conforming to IEC 61000-4-3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
RoHS EUR status	Will be Compliant
RoHS EUR conformity date	4Q2011