Product data sheet Characteristics

XT218A1PAL2

Telemecanique Capacitive proximity sensors XT, cylindrical M18, plastic, Sn 8 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 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	3-wire
[Sn] nominal sensing distance	8 Mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 M
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Maximum delay response	15 Ms
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

Complementary		
ISO thread	M18 x 1	
Detection face	Frontal	
[Sa] assured operating distance	05.8 Mm	
Adjustment zone	012 Mm	
Differential travel	< 120 % Sr	
Repeat accuracy	< 5 % Sr	
Wire insulation material	PVC	
Status LED	Output state indication: 1 LED (yellow)	
Supply voltage limits	1030 V DC	
Maximum residual current	100 MA open state	
Protection type	Short-circuit protection	
Switching frequency	<= 200 Hz	
Maximum voltage drop	<2.5 V (closed)	
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Current consumption	< 15 mA
Maximum delay first up	100 Ms
Maximum delay recovery	15 Ms
Maximum switching current	200 MA
Marking	CE
Setting-up	Sensitivity by potentiometer
Threaded length	47 Mm
Length	78 Mm
Net weight	0.15 Kg

Environment

Standards	EN/IEC 60947-5-2
Product certifications	CULus
Ambient air temperature for operation	-1060 °C
Vibration resistance	10 gn amplitude = 1 mm (f = 1055 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	120 G	
Package 1 Height	2.5 Cm	
Package 1 width	21 Cm	
Package 1 Length	15 Cm	

Offer Sustainability

REACh Regulation	☑ REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEL RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	₫Yes
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 tocause birth defects or other reproductive harm. For more information goto www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Product Life Status: Commercialised

