

XT530B1FAL2

Capacitive proximity sensors XT, cylindrical
M30, brass, 2-wire, Sn 10 mm, cable 2 m, 1
NO

Main

Range of Product	Telemecanique Capacitive proximity sensors XT
Product or Component Type	Sensor
Sensor Type	Capacitive proximity sensor
Product Specific Application	Detection of insulated or conductive materials
Sensor name	XT5
Sensor design	Cylindrical M30
Size	64 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure Material	Nickel Plated Brass
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.4 in (10 mm)
Discrete output function	1 NO
Output circuit type	AC
Electrical connection	Cable
Cable length	6.6 ft (2 m)
[Us] rated supply voltage	24...240 V AC 50...60 Hz
Maximum delay response	30 ms
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529

Complementary

ISO thread	M30 x 1.5
Detection face	Frontal
Front material	PBT
[Sa] assured operating distance	0.0000000000...0.3 in (0...7.2 mm)
Adjustment zone	0.08...0.6 in (2...15 mm)
Differential travel	< 0.2 x Sr
Repeat accuracy	< 0.1 x Sr
Wire insulation material	PVC
Status LED	Output state indication 1 LED yellow) Power status 1 LED green)
Supply voltage limits	20...264 V AC
Maximum residual current	5 mA open state
Switching frequency	<= 10 Hz
Maximum voltage drop	<10 V closed)
Current consumption	< 3 mA
Maximum delay first up	200 ms
Maximum delay recovery	30 ms
Maximum switching current	300 mA

Marking	CE
Setting-up	Sensitivity by potentiometer
Threaded length	2.09 in (53 mm)
Length	2.5 in (64 mm)
Net Weight	0.60 lb(US) (0.27 kg)

Environment

Standards	IEC 60947-5-2 UL 61010-1
Product Certifications	cULus
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Electrical insulation class	Class I IEC 61140
Vibration resistance	10 gn 1 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
Resistance to electrostatic discharge	4 kV contact IEC 61000-4-2 8 kV air IEC 61000-4-2
Resistance to electromagnetic fields	2.7 V/m (3 V/m) IEC 61000-4-3
Resistance to fast transients	2 kV IEC 61000-4-4

Ordering and shipping details

Category	22490-SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389110000382
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.575 in (4.000 cm)
Package 1 Width	5.315 in (13.500 cm)
Package 1 Length	7.874 in (20.000 cm)
Package 1 Weight	7.160 oz (203.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	13.768 lb(US) (6.245 kg)

Offer Sustainability

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 Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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