

Product data sheet

Characteristics

XT230A1FBL2

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



Main

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| 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 | 2-wire |
| [Sn] nominal sensing distance | 15 mm |
| Discrete output function | 1 NC |
| Output circuit type | AC |
| Electrical connection | Cable |
| Cable length | 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

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| 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 | 1 LED (yellow) for output state indication |
| Supply voltage limits | 20...265 V AC |

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|---------------------------|------------------------------|
| 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 | 48.5 mm |
| Length | 74.5 mm |
| Product weight | 0.27 kg |

Environment

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| Standards | EN/IEC 60947-5-2 |
| Product certifications | cULus |
| 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 |

Offer Sustainability

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|------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0918 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
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Contractual warranty

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| Warranty period | 18 months |
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