

# XT130B1FAL2

capacitive sensor - XT1 - cylindrical M30 -  
brass - Sn 10 mm - cable 2 m



## Main

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Range of product                   | OsiSense XT                                                      |
| Sensor type                        | Capacitive proximity sensor                                      |
| Product specific application       | Detection of insulated or conductive materials                   |
| Sensor name                        | XT1                                                              |
| Sensor design                      | Cylindrical M30                                                  |
| Size                               | 70 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      | 10 mm                                                            |
| Discrete output function           | 1 NO                                                             |
| Output circuit type                | AC                                                               |
| Electrical connection              | Cable                                                            |
| Cable length                       | 2 m                                                              |
| [Us] rated supply voltage          | 24...240 V AC 50...60 Hz                                         |
| Delay response                     | <= 20 ms                                                         |
| IP degree of protection            | IP67 conforming to IEC 60529<br>IP67 conforming to IEC 60947-5-2 |

## Complementary

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| ISO thread                      | M30 x 1.5                                  |
| Detection face                  | Frontal                                    |
| [Sa] assured operating distance | 0...7.2 mm                                 |
| Adjustment zone                 | 2...15 mm                                  |
| Differential travel             | < 0.2 x Sr                                 |
| Repeat accuracy                 | < 0.1 x Sr                                 |
| Wire insulation material        | PVC                                        |
| Status LED                      | 1 LED (yellow) for output state indication |
| Supply voltage limits           | 20...264 V AC                              |
| Residual current                | < 5 mA (open state)                        |
| Switching frequency             | <= 25 Hz                                   |
| Voltage drop                    | <= 6 V (closed)                            |
| Current consumption             | < 3 mA                                     |
| Delay first up                  | <= 100 ms                                  |
| Delay recovery                  | <= 20 ms                                   |
| Maximum switching current       | 330 mA                                     |
| Marking                         | CE                                         |
| Setting-up                      | Sensitivity by potentiometer               |
| Threaded length                 | 55 mm                                      |
| Length                          | 70 mm                                      |
| Product weight                  | 0.27 kg                                    |

## Environment

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-2                                                                     |
| Product certifications                | CETLus                                                                               |
| Ambient air temperature for operation | -25...70 °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<br>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

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                                             |
| RoHS (date code: YYWW)   | Compliant - since 0727 - <a href="#">Schneider Electric declaration of conformity</a> |