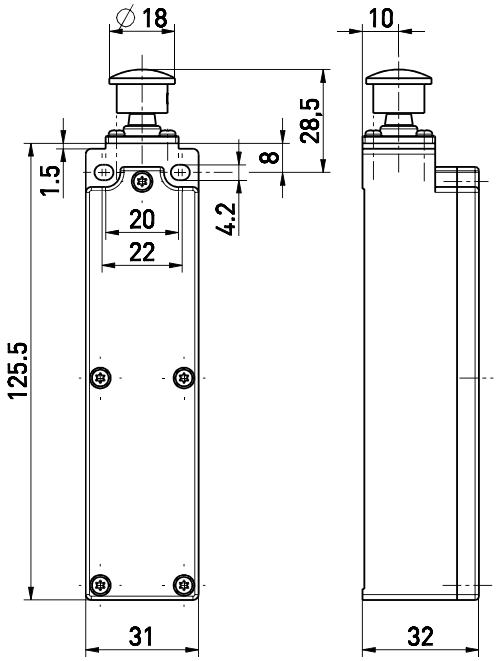
# Position switch
# RF 96 WK SW868-NET
# Article no.: 1477080

## Product features

- sWave.NET® wireless technology
- Cable-free - with cost savings for installation and maintenance
- Configurable online via wireless interface
- Simple operation and integration in existing ERP systems via Sensor Bridge
- High scalability - up to several hundred sensors in one application
- Battery life approx. 10 years
- Actuator: Cap with collar WK
- Large actuating surface
- Safe switching even with imprecise actuation
- Watertight collar for protection against penetration of dirt

## Dimensions




## General technical data

**Applied standards**
EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 301 489-3, EN 300 220-2

**Enclosure**
thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

**Tightening torque**
M4 enclosure mounting screws: max 1.2 Nm
M2.5 cover screws: approx. 0.45 Nm

**Degree of protection**
IP67 (IEC/EN 60529)

**Ambient temperature**
–20 °C ⋯ +65 °C

**Telegram rate**
max. 12000 telegrams with repetitions/h

**Actuating time**
min. 80 ms

**Mechanical life**
> 1 million operations

**Note**
transmission of battery voltage and switching condition

**Wireless approvals**
Europe: RED 2014/53/EU

## Wireless technology

**Frequency**
868.3 MHz (Europe)

**Data rate**
66 kbps

Errors and omissions excepted.

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## Wireless technology (contd.)

Channel bandwidth
350 kHz

Modulation type
2-FSK

Protocol
sWave.NET®

Transmission power
< 25 mW

Wireless range
max. 450 m outdoors, max. 40 m indoors

## Voltage supply

Voltage source
lithium battery Tadiran SL-2770 (C), replaceable

System
$Li/SOCl_2$

Nominal voltage
3.6 V

Nominal capacity
8.5 Ah

Battery life
depending on the switching frequency, at 6x/minute: > 10 years

## Alternative voltage supply

Voltage source
lithium battery Tadiran SL-760 (AA), replaceable with adapter

System
$Li/SOCl_2$

Nominal voltage
3.6 V

Nominal capacity
2.2 Ah

Battery life
depending on the switching frequency, at 6x/minute: 3.5 years

Errors and omissions excepted.