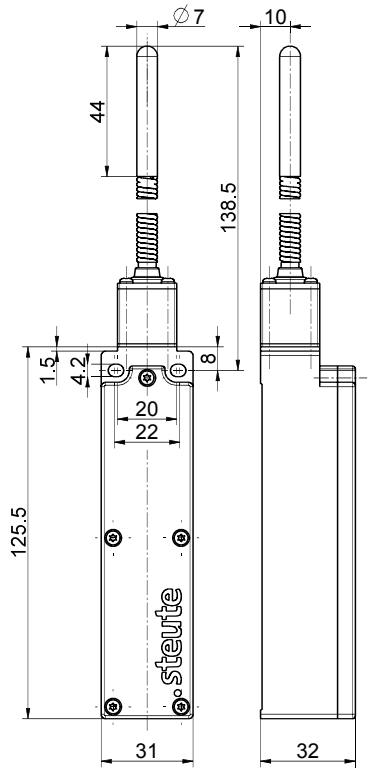
Position switch with spring rod
RF 96 TK SW868-NET
Material no.: 1439052

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: Spring rod with plastic tip TK

Notes
- Factory delivery with battery type SL-760 (AA)

Dimensions



General technical data

Applied standards
EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 61000-4-2, EN 301 489-1, EN 301 489-3, EN 300 220-1, 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

Operation cycles
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

Weight
140 g

Wireless technology

Protocol
sWave.NET®

Frequency
868.3 MHz (Europe)

Errors and omissions excepted.

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Wireless technology (contd.)

Transmission power
< 25 mW

Data rate
66 kbps

Channel bandwidth
350 kHz

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

Voltage supply

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

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.