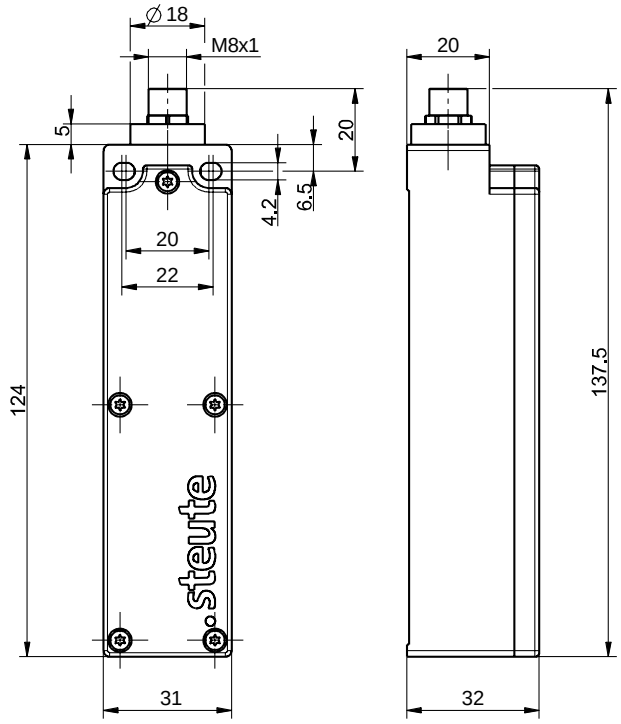
Radio module
RF 96 BU SW868-NET-LDS
Article no.: 1484283

Product features

- sWave.NET® wireless technology
- Wireless module for laser sensors series RF LDS-NET

Notes
- Factory delivery with battery type SL-2770 (C).

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)

Sensor
logging with IR laser, suitable for external connection

Ambient temperature
0 °C ⋯ +65 °C

Telegram rate
max. 7200 telegrams with repetitions/h

Switching frequency
adjustable, default 0.067 Hz, max. 0.5 Hz, min. 31 s corresponds to approx. 0.032 Hz

Cycle time
adjustable, default 15 s, min. 2 s, max. 31 s

Switching distances
0 - 40 cm ⋯ 0 - 10,000 cm, default 100 cm, adjustable in 1 cm steps

Hysteresis
one side, default 10 cm, adjustable in 1 cm steps

Standby current
with standard settings (15 s switching period):
RF LDS SPOT: 110 µA
RF LDS ZONE: 160 µA

Actuating time
min. 20 ms

Note
transmission of battery voltage and switching condition

Wireless approvals
Europe: RED 2014/53/EU

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Wireless technology

Frequency
868.3 MHz (Europe)

Data rate
66 kbps

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
Typical values with default settings.
RF LDS SPOT - switching period:
5 s: approx. 3.0 years;
10 s: approx. 5.3 years;
15 s: approx. 7.1 years;
30 s: approx. 10 years.
RF LDS ZONE - switching period:
5 s: approx. 1.9 years;
10 s: approx. 3.5 years;
15 s: approx. 5.0 years;
30 s: approx. 8.6 years.