



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

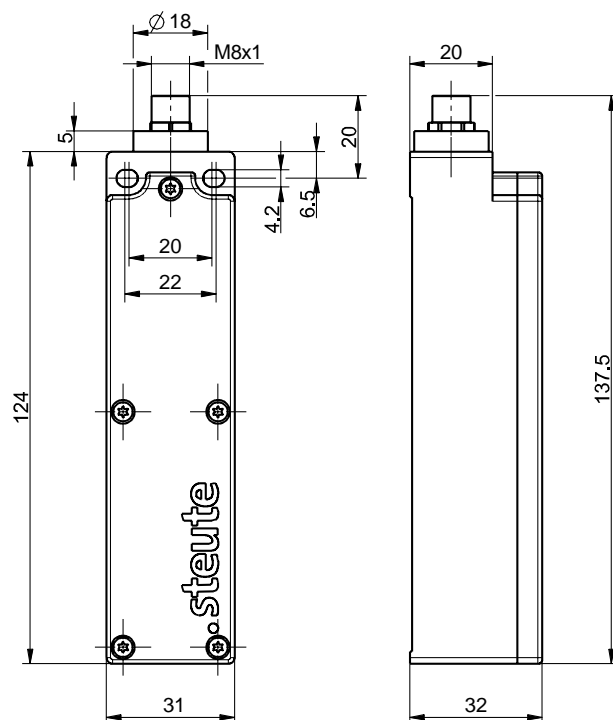
Product features

- 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 μ A
RF LDS ZONE: 160 μ A

Actuating time

min. 20 ms

Note

transmission of battery voltage and switching condition

Wireless approvals

Europe: RED 2014/53/EU

Errors and omissions excepted.



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Wireless technology

Protocol sWave.NET®	Channel bandwidth 350 kHz
Frequency 868.3 MHz (Europe)	Wireless range max. 450 m outdoors, max. 40 m indoors
Transmission power < 25 mW	Modulation type 2-FSK
Data rate 66 kbps	

Voltage supply

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

System
Li/SOCl₂

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.