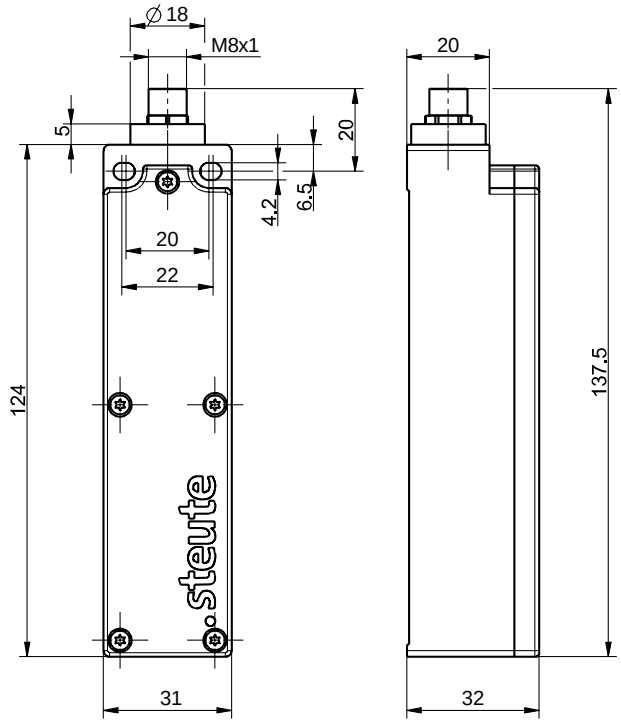
Radio module
RF 96 BU SW915B-NET-LDS
Article no.: on request

Product features

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

Notes
- The battery must be ordered separately.

Dimensions



General technical data

Applied standards
EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, 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)

Sensor
logging with IR laser, suitable for external connection

Safety class
III

Ambient temperature
0 °C ⋯ +65 °C

Type of installation
screw connection

Mounting position
any

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 - 25 cm ⋯ 0 - 10,000 cm, default 100 cm, adjustable in 1 cm steps

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

Actuating time
min. 20 ms

Note
transmission of battery voltage and switching condition

Errors and omissions excepted.

Radio module
RF 96 BU SW915B-NET-LDS
Article no.: on request

Wireless technology

General

Frequency
914.2 MHz (USA, Canada)

Data rate
62.5 kbps

Channel bandwidth
500 kHz

Modulation type
CSS

Protocol
sWave.NET®

Transmission power
< 25 mW

Wireless approvals
USA: FCC - VPYLBAA0QB1SJ
Canada: IC - 772C-LBAA0QB1SJ

Function

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

Standby current
with standard settings (15 s switching period):
RF LDS SPOT: 160 µA
RF LDS ZONE: 290 µA

Battery life
Typical values with default settings.
RF LDS SPOT - switching period:
5 s: approx. 1.9 years;
10 s: approx. 3.3 years;
15 s: approx. 5.1 years;
30 s: approx. 9.7 years.
RF LDS ZONE - switching period:
5 s: approx. 1.3 years;
10 s: approx. 2.4 years;
15 s: approx. 2.9 years;
30 s: approx. 5.1 years.

Errors and omissions excepted.