



## Wireless laser sensor sWave.NET® RF 96 SDS SW868-NET Material number: 1280382

### Features/Options:

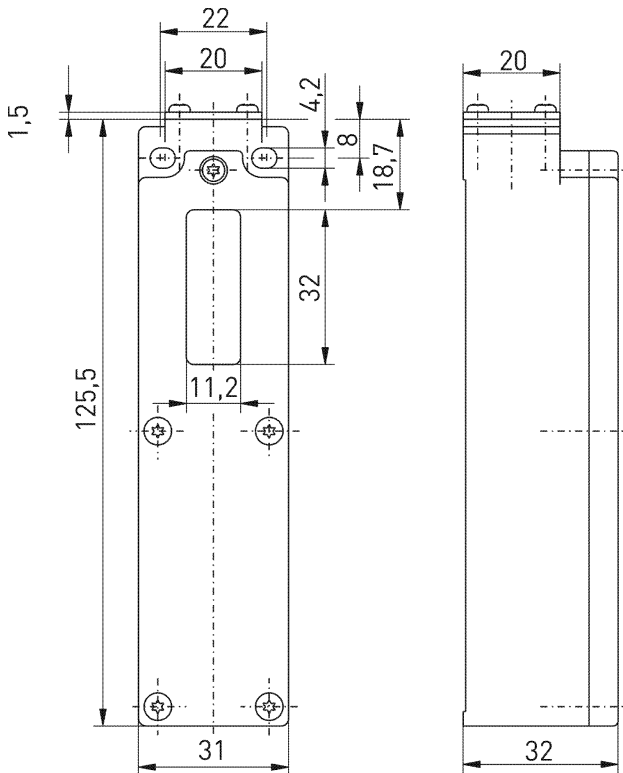
- sWave.NET® wireless technology
- Laser sensor: Logging with IR laser
- Impervious to optical interference from industrial surroundings
- Configurable online via wireless interface

### Notes

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

- Simple operation and integration in existing ERP systems via Sensor Bridge
- Simple assembly in commercially available standard shelves
- Power supply by Lithium battery (replaceable)

### Dimensions



### 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, impact resistant, self-extinguishing UL 94 V-0
Tightening torque	M4 enclosure mounting screw: max 1.2 Nm M2.5 cover screws: approx. 0.45 Nm
Degree of protection	IP 54 to IEC/EN 60529
Protocol	sWave.NET®
Frequency	868.3 MHz (Europe, China)
Transmission power	< 25 mW
Data rate	66 kbps
Channel bandwidth	480 kHz
Voltage supply	Lithium battery SL-2770 (replaceable)
System	Li/SOCl <sub>2</sub>
Nominal voltage	3.6 V
Nominal capacity	8.5 Ah
Battery life	Typical values with default settings. Actuation interval 10 s - approx. 5.7 years 100 s - approx. 6.2 years 1,000 s - approx. 6.2 years 10,000 s - approx. 6.2 years N.B.: Changes in battery lifetime are almost linear to changes in debounce time.

Alternatively:

Errors and omissions excepted.



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## Technical data

Voltage supply	Lithium battery Tadiran SL-760 (replaceable)
System	Li/SOCl <sub>2</sub>
Nominal voltage	3.6 V
Nominal capacity	2.2 Ah
Battery life	Typical values with default settings. Actuation interval 10 s - approx. 1.5 years 100 s - approx. 1.7 years 1,000 s - approx. 1.7 years 10,000 s - approx. 1.7 years N.B.: Changes in battery lifetime are almost linear to changes in debounce time.
Sensor	Logging with IR laser
Laser class	Class 1 to EN 60825-1; 950 nm
Ambient temperature	0 °C ... +65 °C
Operation cycles	max. 7200 telegrams with repetitions/h
Switching frequency	adjustable, default 0.2 Hz, max. 1 Hz, min. 31 s corresponds to approx. 0.032 Hz
Switching distances	5 cm to 50 cm, can be adjusted in 1 cm steps
Accuracy	± 20 mm
Hysteresis	one side, default 4 cm, adjustable in 1 cm steps
Standby current	130 µA with default settings (5 s debounce time)
Wireless range	max. 450 m outdoors, max. 40 m indoors
Actuating time	min. 20 ms
Note	transmission of battery voltage and switching condition
Wireless approvals	Europe: RED 2014/53/EU