



Universal transmitter - 1 port

RF 96 ST SW868-NET

Article no.: 1452592

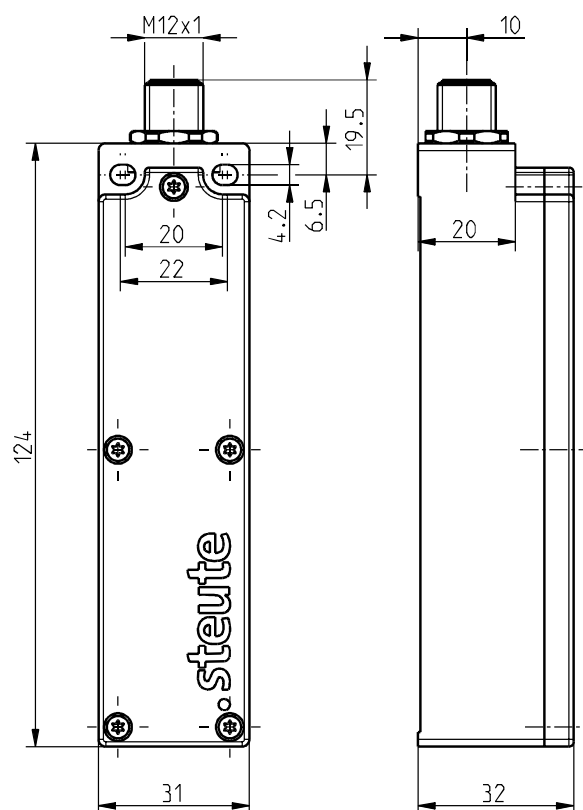
Product features

- 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
- Plug-in connector M12

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), only with plugged cable

Connection

plug-in connector M12 x 1, 4-pole, A-coded

Connectable devices

RF IS M8, RF IS M12, RF IS M18, RF IS M30, RF RC M10, external switches using the coupling with connecting cable 1215497 or 1262873

Ambient temperature

-20 °C ... +65 °C

Telegram rate

max. 12000 telegrams with repetitions/h

Actuating time

min. 80 ms

Note

transmission of battery voltage and switching condition

Wireless approvals

Europe: RED 2014/53/EU

Weight

120 g

Errors and omissions excepted.



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Wireless technology

Protocol
sWave.NET®

Frequency
868.3 MHz (Europe)

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 (C), replaceable

System
Li/SOCl₂

Nominal voltage
3.6 V

Nominal capacity
8.5 Ah

Battery life – inductive sensor
depending on the switching frequency
mainly not activated
10 s: approx. 3.6 years; 100 s: approx. 3.8 years; 1.000 s: approx. 3.9 years
mainly activated
10 s: approx. 7.4 years; 100 s: approx. 8.6 years; 1.000 s: approx. 8.7 years

Battery life – magnetic sensor / external contact
depending on the switching frequency
mainly not activated
10 s: >10 years (max. manufacturer's specification of storage life)
mainly activated
10 s: >10 years (max. manufacturer's specification of storage life)

Alternative voltage supply

Voltage source
lithium battery Tadiran SL-760 (AA), replaceable

System
Li/SOCl₂

Nominal voltage
3.6 V

Nominal capacity
2.2 Ah

Battery life – inductive sensor
depending on the switching frequency
mainly not activated
10 s: approx. 1.0 years; 100 s: approx. 1.0 years; 1,000 s: approx. 1.0 years
mainly activated
10 s: approx. 2.0 years; 100 s: approx. 2.4 years; 1,000 s: approx. 2.4 years

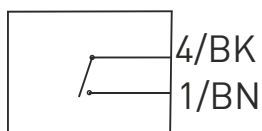
Battery life – magnetic sensor / external contact
depending on the switching frequency
mainly not activated
10 s: approx. 6.4 years
100 s: >10 years (max. manufacturer's specification of storage life)
mainly activated
10 s: approx. 4.3 years; 100 s: approx. 6.2 years; 1,000 s: approx. 6.5 years

Errors and omissions excepted.

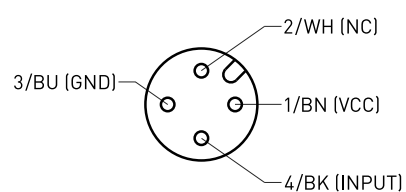


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External switch contact



Plug-in configuration



NC = not connected

Colour coding only valid for
coupling 4-poles mat. no. 1215497 and
coupling 4-poles mat. no. 1262873

Sensors

