



Universal transmitter - 1 port RF 96 ST SW917-NET Material no.: 1335584

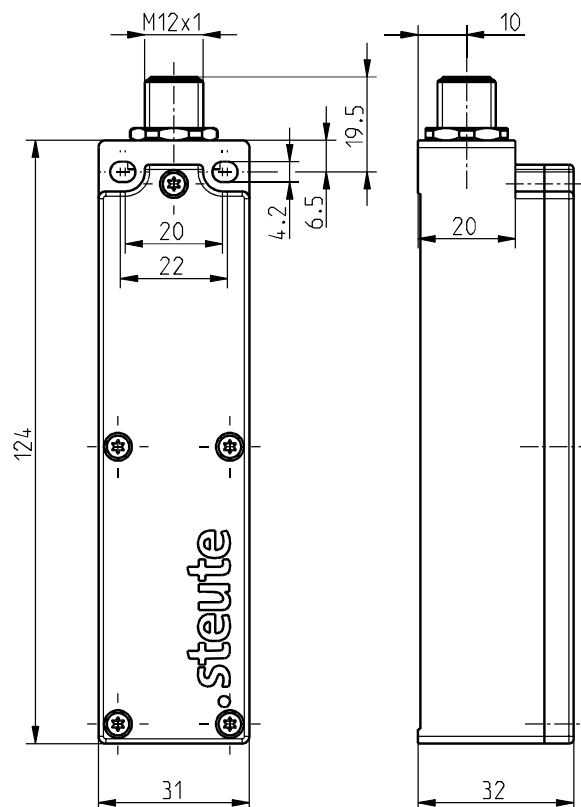
Product features

- 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

- 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 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)

Connection

plug-in connector M12 x 1, 4-pole

Connectable devices

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

Ambient temperature

-20 °C ... +65 °C

Operation cycles

max. 12000 telegrams with repetitions/h

Actuating time

min. 80 ms

Note

transmission of battery voltage and switching condition

Wireless approvals

Brazil: ANATEL 04172-18-06718

Errors and omissions excepted.



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Wireless technology

Protocol
sWave.NET®

Frequency
917 MHz (Brazil)

Transmission power
< 25 mW

Data rate
66 kbps

Channel bandwidth
550 kHz

Wireless range
max. 450 m outdoors, max. 40 m indoors

Voltage supply

Voltage source
lithium battery Tadiran TL-5920 (replaceable), alternatively
SL-2770

System
Li/SOCl₂

Nominal voltage
3.6 V

Nominal capacity
8.5 Ah

Alternative voltage supply

Voltage source
lithium battery Tadiran SL-2770 (replaceable)

System
Li/SOCl₂

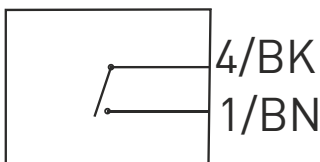
Nominal voltage
3.6 V

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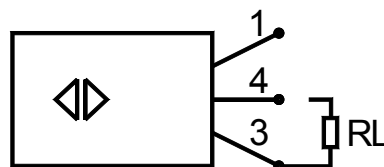
Battery life – inductive sensor
depending on the switching frequency
mainly not activated
10 s: approx. 3.6 years; 100 s: approx. 3.8 years; 1.000 s: approx.
3.9 years
mainly activated
10 s: approx. 7.4 years; 100 s: approx. 8.6 years; 1.000 s: approx.
8.7 years

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)

External switch contact



Sensors

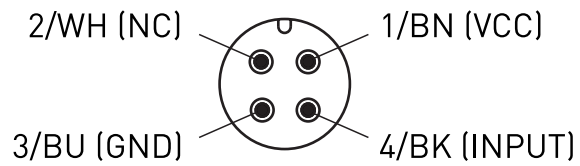


Errors and omissions excepted.



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Plug-in configuration



NC = not connected

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