

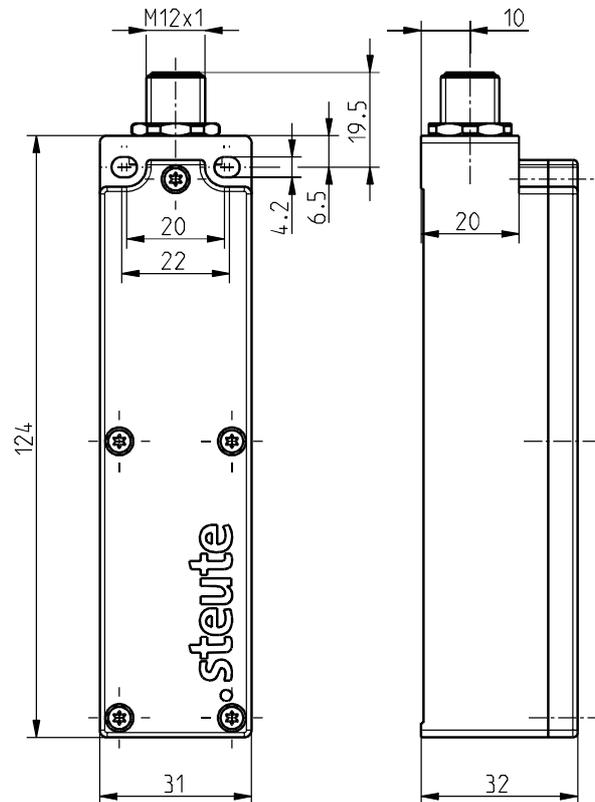


## Universal transmitter - 1 port RF 96 ST SW922-NET Article no.: on request

### 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

### 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), 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. 1440 telegrams with repetitions/h

#### Actuating time

min. 80 ms

#### Note

transmission of battery voltage and switching condition

#### Wireless approvals

Japan:  ARIB STD-T108: 204-610002

Errors and omissions excepted.



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### Wireless technology

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**Frequency**

916.5 MHz (Japan)

**Data rate**

66 kbps

**Channel bandwidth**

520 kHz

**Modulation type**

2-FSK

**Protocol**

sWave.NET®

**Transmission power**

< 1 mW

**Wireless range**

max. 150 m outdoors, max. 20 m indoors

### Voltage supply

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**Voltage source**

lithium battery Tadiran SL-2770 (C), replaceable

**System**

Li/SOCl<sub>2</sub>

**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**

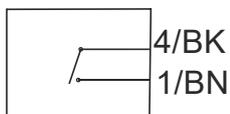
10 s: >10 years (max. manufacturer's specification of storage life)

**mainly activated**

10 s: >10 years (max. manufacturer's specification of storage life)

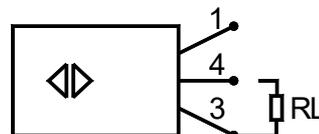
### External switch contact

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### Sensors

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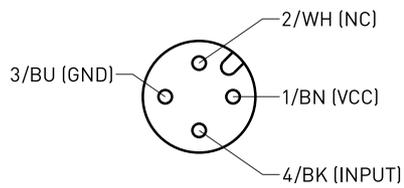
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## Pin assignment

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NC = not connected

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