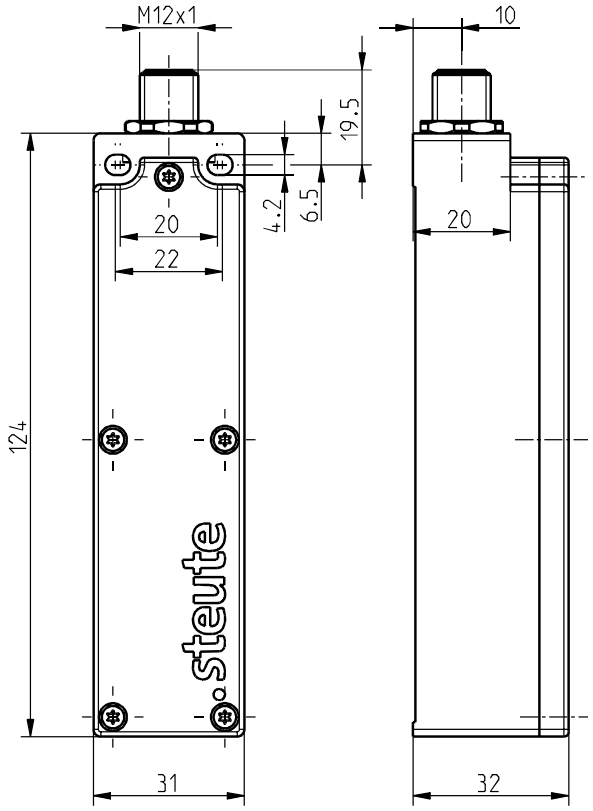
Universal transmitter - 1 port
RF 96 ST SW922-NET
Material no.: on request

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 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 coupling with connecting cable 1215497 or 1262873

Ambient temperature
–20 °C ⋯ +65 °C

Operation cycles
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

Protocol
sWave.NET®

Frequency
916.5 MHz (Japan)

Transmission power
< 1 mW

Data rate
66 kbps

Channel bandwidth
520 kHz

Wireless range
max. 150 m outdoors, max. 20 m indoors

Voltage supply

Voltage source
lithium battery Tadiran SL-2770 (replaceable)

System
$Li/SOCl_2$

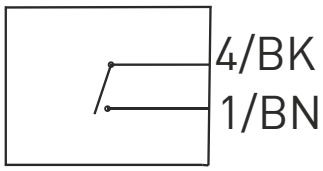
Nominal voltage
3.6 V

Nominal capacity
8.5 Ah

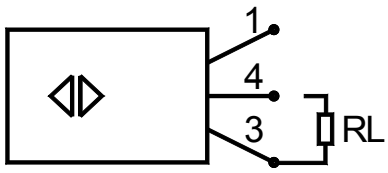
Battery life – inductive sensor
depending on the switching frequency
mainly not activated
10 s: approx. 3.6 years; 100 s: approx. 3.8 years; 1.000 s: approx. 3.9 years
mainly activated
10 s: approx. 7.4 years; 100 s: approx. 8.6 years; 1.000 s: approx. 8.7 years

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)

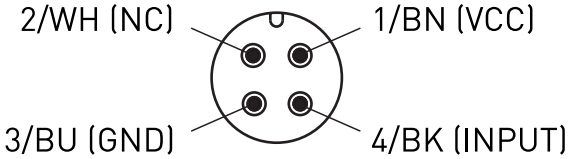
External switch contact



Sensors



Plug-in configuration



NC = not connected

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

Errors and omissions excepted.