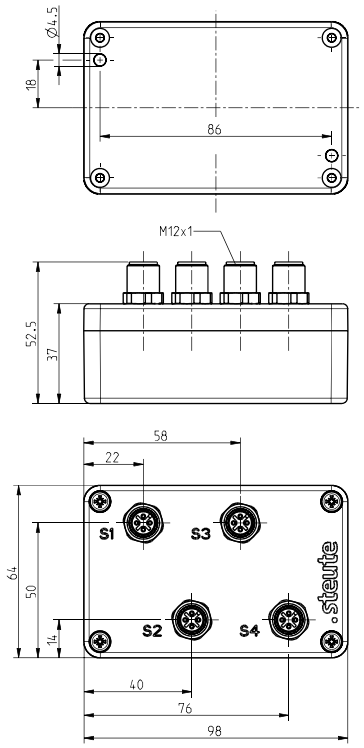
Universal transmitter - 4 port
RF I/O SW868-NET
Article no.: 1469645

Product features

- Thermoplastic enclosure
- 4 x plug-in connector M12
- sWave.NET® wireless technology
- No wiring or cable laying required
- Power supply by lithium battery
- Configurable online via wireless interface

Notes
- The RF I/O may be used in combination with wireless inductive sensor RF IS or wireless magnetic sensor RF RC M10.
- Connection of external switching contact (potentialfree contact) with gold contacts possible.

Dimensions



General technical data

Applied standards
EN 60947-5-1, EN 61000-6-3, EN 300 220-2, EN 301 489-3, EN 62479

Enclosure
ABS, UL 94 HB, RAL 9005

Antenna
integrated antenna

Tightening torque
enclosure mounting screws: max. 1.5 Nm
cover screws: max. 1.5 Nm

Degree of protection
IP65 (IEC/EN 60529), only with plugged cables and/or with closed protective caps

Connection
4 x 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

Safety class
III

Ambient temperature
–20 °C ⋯ +65 °C

Type of installation
mount on an even surface

Mounting position
any

Mounting
screws M4

Telegram rate
max. 12000 telegrams with repetitions/h

Switching frequency
max. 5 Hz

Standby current
60 µA

Actuating time
min. 80 ms

Errors and omissions excepted.

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General technical data (contd.)

Note
transmission of battery voltage and switching condition

Wireless approvals
Europe: RED 2014/53/EU

Weight
200 g

Wireless technology

Frequency
868.3 MHz (Europe)

Data rate
66 kbps

Channel bandwidth
350 kHz

Modulation type
2-FSK

Protocol
sWave.NET®

Transmission power
< 25 mW

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

Voltage supply

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

System
$Li/SOCl_2$

Nominal voltage
3.6 V

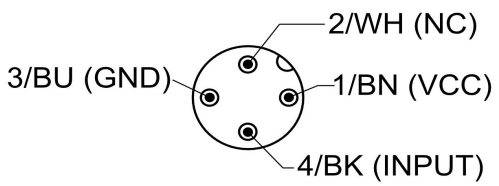
Nominal capacity
2.2 Ah

Battery life – magnetic sensor / external contact
depending on the switching frequency
mainly not activated
10 s: approx. 3.2 years; 100 s: approx. 4.1 years; 1,000 s: approx. 4.2 years
mainly activated
10 s: approx. 2.0 years; 100 s: approx. 2.4 years; 1,000 s: approx. 2.4 years

Battery life – inductive sensor 1 x
depending on the switching frequency
mainly not activated
10 s: approx. 0.8 years; 100 s: approx. 0.9 years; 1,000 s: approx. 0.9 years
mainly activated
10 s: approx. 1.3 years; 100 s: approx. 1.5 years; 1,000 s: approx. 1.5 years

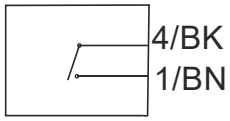
Battery life – inductive sensor 4 x
depending on the switching frequency
mainly not activated
10 s: approx. 0.3 years; 100 s: approx. 0.3 years; 1,000 s: approx. 0.3 years
mainly activated
10 s: approx. 0.5 years; 100 s: approx. 0.5 years; 1,000 s: approx. 0.5 years

Pin assignment



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

External switch contact



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