



## Universal transmitter with external power supply - 4 port RF I/O SW922-4E-Vcc-ext-NET Article no.: on request

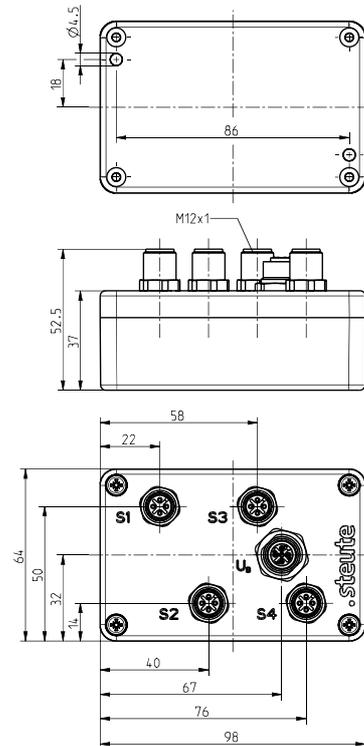
### Product features

- Thermoplastic enclosure
- sWave® wireless technology
- No wiring and cable laying required
- External power supply via M12 socket
- Configurable online via wireless interface

### Notes

- The RF I/O may be used in combination with wireless inductive sensor RF IS.
- 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

#### Voltage source

24 VDC

#### Connection

Sensors: plug-in connector 4 x M12 x 1, 4-pole  
power supply: 1 x M12 socket

#### 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. 1440 telegrams with repetitions/h

#### Switching frequency

max. 5 Hz

#### Rated operating voltage range $U_B$

18 ... 30 VDC Pin 1 and Pin 3, socket M12

Errors and omissions excepted.



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### General technical data (contd.)

Rated insulation voltage  $U_i$   
75 VDC

Rated impulse withstand voltage  $U_{imp}$   
0.5 kV

Rated operating current  $I_e$   
2.5 mA

Voltage drop  $U_e - U_{out}$   
3.5 V with 4 x 50 mA sensor current

Load current  
max. 50 mA per sensor connection (not short-circuit proof)

Switching points  
> 5 VDC (E1 - E4)

Actuating time  
min. 80 ms

Wireless approvals

Japan: ARIB STD-T108: 204-610002

Note

Wrong polarity protection

### Wireless technology

Frequency  
916.5 MHz (Japan)

Data rate  
66 kbps

Channel bandwidth  
520 kHz

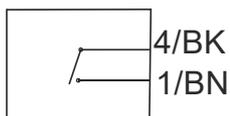
Modulation type  
2-FSK

Protocol  
sWave.NET®

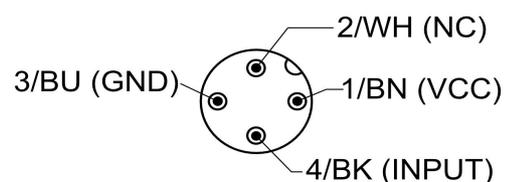
Transmission power  
< 1 mW

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

### External switch contact



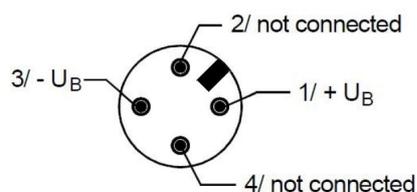
### Pin assignment



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

### Pin assignment / Power supply

M12 x 1  
1 BN + $U_B$   
2 WH NC  
3 BU - $U_B$   
4 BK NC



Errors and omissions excepted.