



## Wireless universal transmitter RF 96 ST SW868

Material number: 1206036 (Material number old: 66800601)

### Features/Options

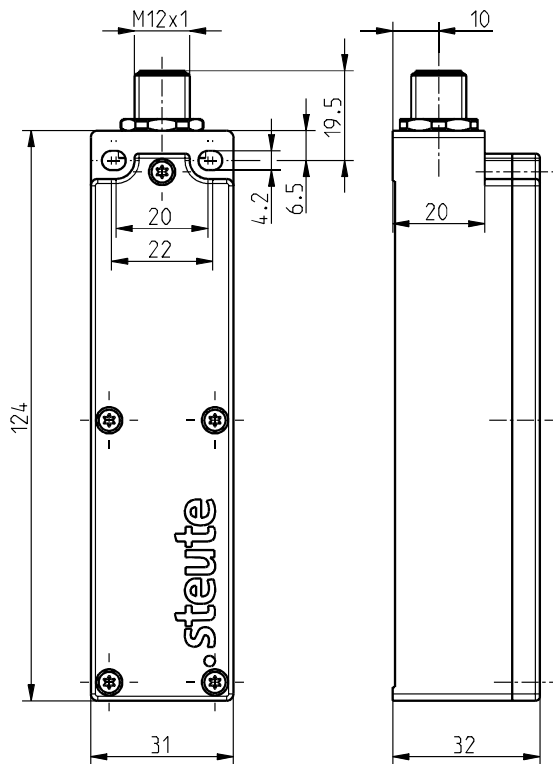
- Thermoplastic enclosure
- Mounting details to EN 50047
- Plug-in connector M12
- sWave® wireless technology

- No wiring and pipe laying required
- Power supply by Lithium battery
- Easy programming of receiver
- Output signal can be individually configured at the receiver

### Notes

- The RF 96 ST may be used in combination with an wireless inductive sensor RF IS
- Connection of external switching contact (potentialfree contact) with gold contacts possible.
- Factory delivery with battery type SL-760 (AA)

### Dimensions



### Technical data

<b>Standards</b>	EN 60947-5-1; EN 61000-6-2, -6-3, EN 61000-4-2, -4-20; EN 301 489-1; EN 301 489-3; EN 300 220-1; EN 300 220-2
<b>Enclosure</b>	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0
<b>Tightening torque</b>	M4 mounting screw enclosure: max 1.2 Nm, M2.5 cover screws: approx. 0.45 Nm
<b>Connection</b>	Plug-in connector M12 x 1, 4-pole
<b>Degree of protection</b>	IP 67 to IEC/EN 60529
<b>Protocol</b>	sWave®
<b>Ambient temperature</b>	-20 °C ... +65 °C
<b>Operation cycles</b>	approx. 12000 telegrams at repetitions/h
<b>Switching frequency</b>	max. 5 Hz
<b>Standby current</b>	15 µA
<b>Voltage supply</b>	Lithium battery (replaceable)
<b>Capacity</b>	2.2 Ah (SL 760) - 8.5 Ah (SL-2770)
<b>Frequency</b>	868.3 MHz
<b>Transmission power</b>	< 25 mW
<b>Data rate</b>	66 kbps
<b>Channel bandwidth</b>	266 kHz
<b>Sensing range</b>	max. 450 m outside, max. 40 m inside
<b>Battery life SL-760 (AA)</b>	according to switch frequency, 1 s approx. 220 days, 10 s approx. 390 days, 100 s approx. 420 days
<b>Battery life SL-2770 (C)</b>	according to switch frequency, 1 s approx. 780 days, 10 s approx. 1300 days, 100 s approx. 1400 days
<b>Actuating time</b>	min. 80 ms
<b>Note</b>	status signal configurable, transmission of battery voltage and switching condition

Errors and omissions excepted.

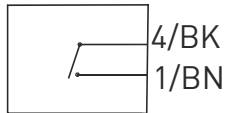


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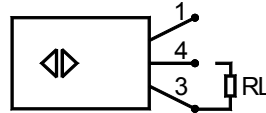
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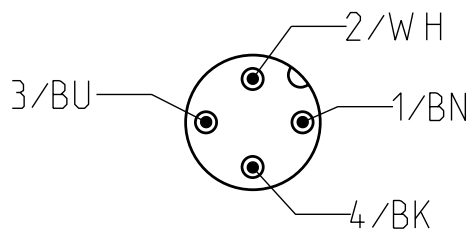
### External switch contact



### Sensors



### Pin assignment



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