

## Wireless receiver

### Wireless Receiver RF Rx SW868-1W 24 VAC/DC

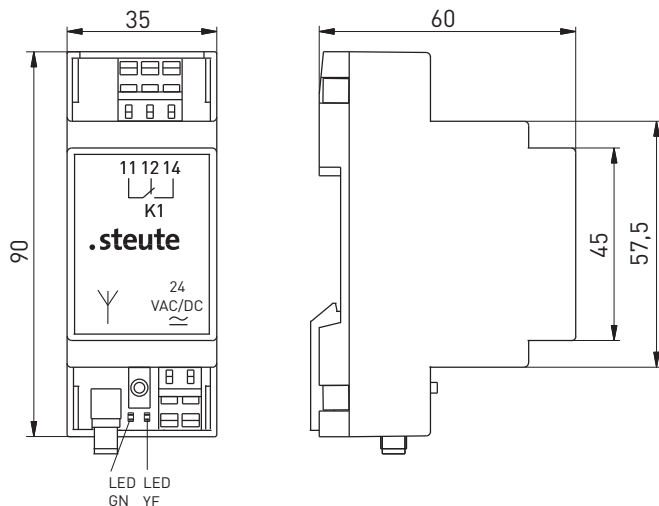
material number: 1190427 (old material number: 90590023)

#### Features/Options

- steute wireless technology
- 1-channel: potential-free relay output
- 1 change-over contact, max. 6 A

- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

#### Dimensions



#### Technical data

##### Standards

EN 60947-5-1; EN 61000-6-2;  
EN 61000-6-3; EN 60068-2-6;  
EN 60068-2-27; EN 301 489-1;  
EN 301 489-3; EN 300 220-2

##### Number of channels

1

##### Mounting

DIN rail mounting

##### Connection

terminals with CAGE CLAMP  
WAGO Series 236: 0.08 ... 2.5 mm<sup>2</sup>  
/ AWG 28-12, AWG 12: THHN,  
THWN, stripping length 5 ... 6 mm  
/ 0.22 in

##### Degree of protection

IP 20 to IEC/EN 60529

##### Inputs

1 wireless channel, max. 10  
transmitters per channel

##### Outputs

1 change-over contact (relay)

##### Rated operating current $I_e$

24 VDC: max. 0.03 A;  
24 VAC: max. 0.07 A

##### Rated operating voltage $U_e$

24 VAC/DC -15 % ... +10 %

##### $I_e/U_e$ of output contacts

6 A/250 VAC; 2 A/24 VDC

##### Utilisation category

AC-15; DC-13

##### $U_i$

250 VAC

##### $U_{imp}$

2.5 kV

##### Frequency

868.3 MHz

##### LED display

green LED: supply voltage,  
orange LED: switching conditions  
approx. 12000 telegrams at  
repetitions/h

##### Switching frequency

2 per DIN VDE 0110

##### Degree of pollution

0 °C ... +55 °C

##### Ambient temperature

-25 °C ... +85 °C

##### Storage and shipping temperature

##### Vibration resistance

NO contact 20 g, NC contact 5 g

##### Shock resistance

max. 100 g

##### External antenna

always required for optimum  
sensing range

##### Note

Inductive loads (contactors, relays  
etc.) are to be suppressed by  
suitable circuitry.

#### Arrangement of receiver and switch antenna



Optimum  
mounting

Possible  
mounting

Unsuitable  
mounting

#### Note

The antenna must be mounted on a  
metal plate of min. 250 x 250 mm size.

Errors and omissions excepted.