



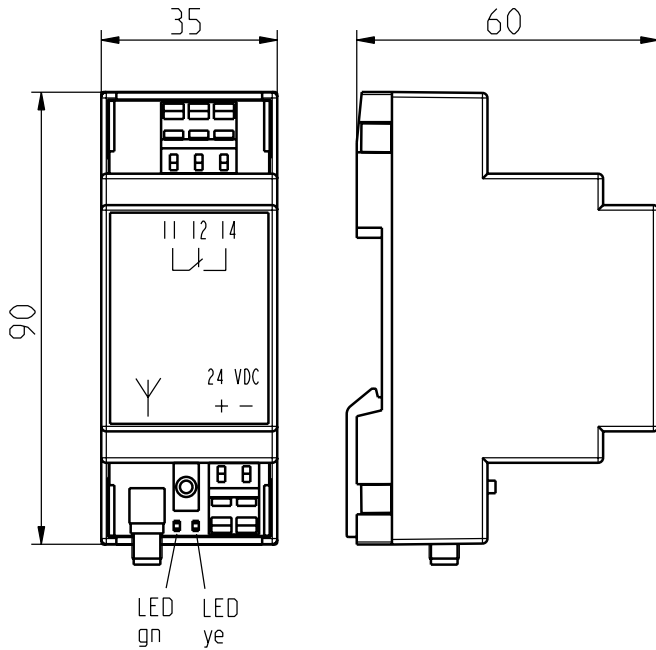
## Radio receiver

// RF Rx EN868-1W, 24 VDC Order no.: 90590001

### Features/Options

- EnOcean standard
- 1-channel: potential-free relay output
- DC version: 1 change-over contact, NPN or PNP output, AC version: 1 change-over contact
- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

### Dimensions



### Technical Data

<b>Standards</b>	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
<b>Number of channels</b>	1
<b>Mounting</b>	DIN rail mounting
<b>Connection</b>	terminals with CAGE CLAMP WAGO Serie 236: 0.08 ... 2.5 mm <sup>2</sup> AWG 28-14 (incl. conductor ferrules)
<b>Degree of protection</b>	IP 20 per IEC/EN 60529
<b>Inputs</b>	1 radio channel, max. 10 transmitters per channel
<b>Output</b>	1 change-over contact (relay)
<b>Rated operating current <math>I_e</math></b>	max. 0.22A AC; 0.08A DC
<b>Rated operating voltage <math>U_e</math></b>	24 V AC/DC -15% ... +10%
<b><math>I_e/U_e</math> of output contacts</b>	6A / 250 VAC; 2A / 24 VDC
<b>Utilisation category</b>	AC-15
<b><math>U_i</math></b>	250 VAC
<b><math>U_{imp}</math></b>	2.5 kV
<b>Frequency</b>	868.3 MHz
<b>Display</b>	green LED: operating voltage, orange LED: switching conditions
<b>Switching frequency</b>	approx. 9000 telegrams at repetitions/h
<b>Degree of pollution</b>	2 per DIN VDE 0110
<b>Ambient temperature</b>	0°C ... +55°C
<b>Storage and transport temperature</b>	-25°C ... +85°C
<b>Vibration resistance</b>	NO 20g, NC 5g
<b>Shock resistance</b>	max. 100g
<b>External antenna</b>	always required for optimum sensing range
<b>Note</b>	inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.
<b>Approvals</b>	
<b>Weight</b>	70g

### 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.