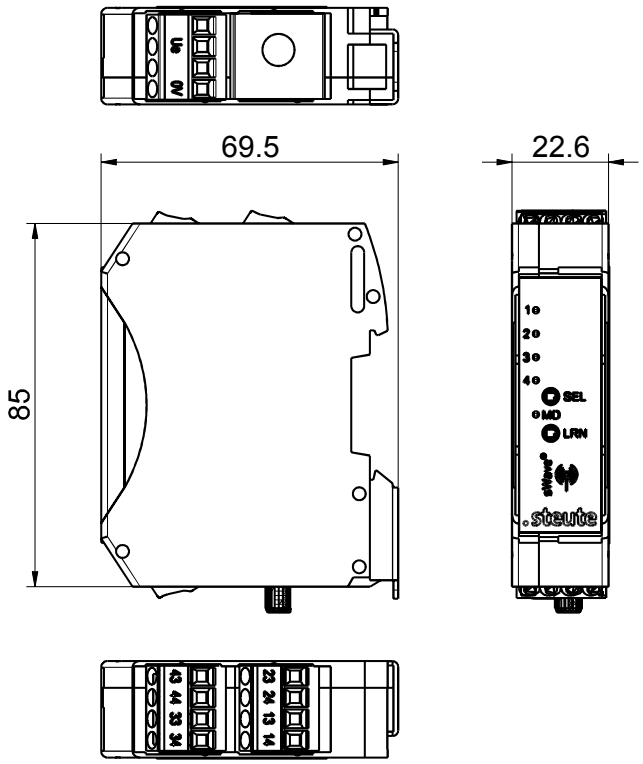
Wireless receiver
RF Rx SW868-4S 24VDC
Article no.: 1357703

Product features

- sWave® wireless technology
- 4 potential-free relay outputs
- 4 NO contacts, max. 3 A
- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

Notes
- External antenna always required for optimum wireless range.

Dimensions



General technical data

Applied standards
EN 300 220-2, EN 301 489-3, EN 62479, EN IEC 62368-1, EN 60947-5-1, EN IEC 61000-6-2, EN 55011, EN 55032, EN IEC 63000

Enclosure
polyamide, self-extinguishing UL 94 V-0, RAL 7035

Degree of protection
IP20 (IEC/EN 60529)

Number of channels
4

Mounting
DIN rail mounting

Connection
screw connection terminals 0.14 mm^2 - 2,5 mm^2, stripping length 8 mm

Safety class
II

Teachable transmitters
40

Outputs
4 NO contacts (relay)

Rated operating current/voltage I_e/U_e
max. 0.1 A/24 VDC -15 % ⋯ +10 %;
output contacts: 3 A/250 VAC; 3 A/24 VDC

Utilisation category
outputs: AC-15 (at 10 % I_e); DC-13

Rated insulation voltage U_i
250 VAC

Rated impulse withstand voltage U_{imp}
2.5 kV

Display
green LED: ready for operation,
orange LED: signalling of switching state

Mechanical life
> $5x10^6$ operations

Electrical life
> $1x10^5$ operations AC1

Errors and omissions excepted.

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General technical data (contd.)

Shock resistance
1 g

Vibration resistance
2 g (10-55 Hz)

Degree of pollution
2

Ambient temperature
–20 °C ⋯ +55 °C

Storage and shipping temperature
–25 °C ⋯ +85 °C

Note
Inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.
Switching contacts are not suitable for capacitive loads.

Weight
87 g

Wireless technology

General

Frequency
868.3 MHz (Europe)

Data rate
66 kbps

Channel bandwidth
350 kHz

Modulation type
2-FSK

Protocol
sWave®

Transmission power
< 25 mW

Wireless approvals
Europe: RED 2014/53/EU

Function

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

Note
Allows configuration of LBT and status signal of the transmitters

Arrangement of receiver and switch antenna



A = Optimum mounting
B = Possible mounting
C = Unsuitable mounting