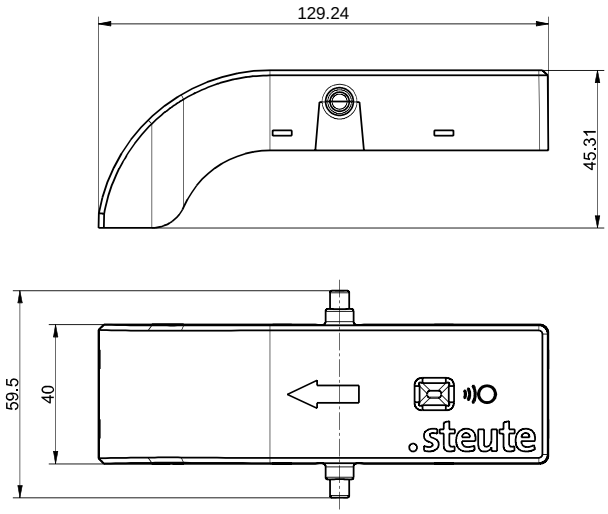
Tilting sensor
RF RW SW917-NET-ESD
Material no.: 1265646

Product features

- Sensor with sWave.NET® wireless technology for the detection of small parts containers
- Simple assembly in commercially available standard shelves
- Transmission signal configuration
- ESD protection

Notes
- The wireless tilting sensor and the assembling kit must be ordered individually. The assembling kit is not included with the wireless tilting sensor.

Dimensions



General technical data

Applied standards
EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 61000-4-2, EN 301 489-1, EN 301 489-3, EN 300 220-1, EN 300 220-2

Enclosure
PC-ABS, UL 94 HB, red, similar to RAL 3003

Cover
PC-ABS, UL 94 HB, grey, similar to RAL 7015

Degree of protection
in installation position: IP54 to IEC/EN 60529

B_{10d} (10 % load)
2 million

T_M
max. 10 years, depending on existing actuation frequency

Voltage source
integrated batteries

Battery life
approx. 10 years (depending on actuation frequency)

Degree of pollution
2

LED display
lights up red on actuation

Actuating force
0.3 N ... 0.5 N (with vertical actuation; box weight min. 500 g)

Roller conveyor incline
-27° ... +90°

Mechanical life
> 1 million operations

Ambient temperature
–10 °C ⋯ +50 °C

Storage and shipping temperature
–10 °C ⋯ +50 °C

Shock resistance
16 g

Vibration resistance
5 g (10-150 Hz)

Wireless approvals
Brazil: ANATEL 04172-18-06718

Wireless technology

Protocol
sWave.NET®

Frequency
917 MHz (Brazil)

Transmission power
< 25 mW

Data rate
66 kbps

Errors and omissions excepted.

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Wireless technology (contd.)

Channel bandwidth
550 kHz

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

Note
- With an RF RW FIX KIT bracket, the wireless rack sensor fulfils the requirements for use in ESD-protected zones. Electrostatic charge is effectively prevented. Neither hazardous potential differences nor hazardous surface potentials occur (does not apply to clips). Any charge can be safely discharged via the housing components to the rack. Contact between the rack sensor and the materials boxes is fundamentally minimalised. The clips are not integrated in the friction system.

Errors and omissions excepted.