Wireless tilting sensor sWave.NET®
RF RW SW868-NET-ESD
Material number: on request

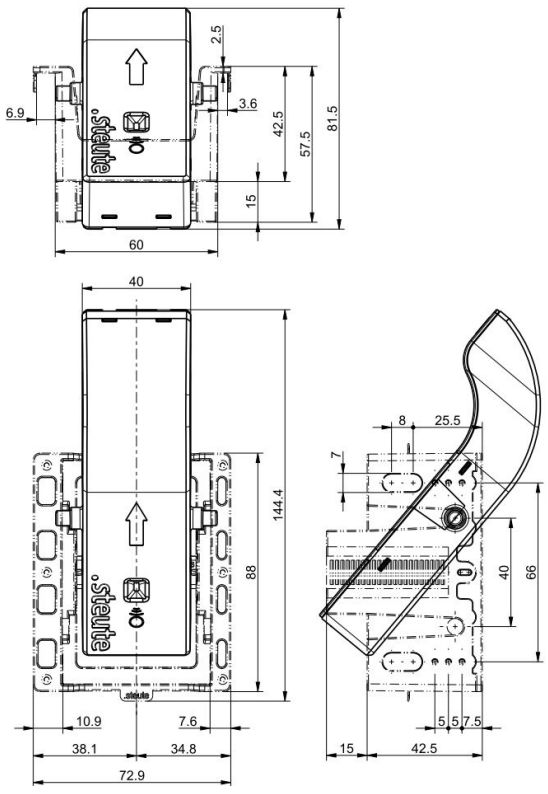
Features/Options:

- Sensor with sWave.NET® wireless technology for the detection of small parts containers
- Simple assembly in commercially available standard shelves
- All-purpose holder for different types of roller conveyors, e.g. item, CREFORM, Rollex etc.
- 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



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
Bracket	PC-ABS, grey, similar to RAL 7015
Tensioning clips	POM, black
Degree of protection	in installation position: IP 54 to IEC/EN 60529
Protocol	sWave.NET®
Frequency	868.3 MHz (Europe, China)
Transmission power	< 25 mW
Data rate	66 kbps
Channel bandwidth	480 kHz
Voltage supply	integrated batteries
Battery life	approx. 10 years (depending on actuation frequency)
B_{10d} (10 % load)	2 million
T_M	max. 10 years, depending on existing 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)

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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	Europe: RED 2014/53/EU
Wireless range	SW868/915/917: max. 450 m outdoors, max. 40 m indoors SW922: max. 150 m outdoors, max. 20 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.

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