



Wireless magnetic sensor RF RC M30

Features/Options:

- Thermoplastic or stainless steel enclosure
- RF RC M30 ... : Sensor with reed contact
- RF GS M30 ... : Sensor based on GMR effect - on request
- sWave® wireless technology (SW868/SW915/SW917/SW922)
- Power supply by Lithium battery (replaceable)
- No wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver
- Available with "LBT - Listen before Talk" software (necessary in conjunction with potential interference)
- Suitable for the food processing industry

Notes

- 2 mounting nuts are included in delivery
- The actuator is not included in the delivery of the switches

Technical data


Applied standards	EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 301 489-1, EN 301 489-3, EN 300 220-2
Enclosure	Stainless steel 1.4539 or PVC-C
Degree of protection	IP 67 to IEC/EN 60529
Voltage supply	lithium battery CR 2032 (replaceable)
System	Lithium-MnO ₂
Nominal voltage	3 V
Nominal capacity	0.23 Ah
Battery life	depending on the switching frequency sensor mainly not activated 10 s - 1.1 years; 100 s - 5.0 years; 1000 s - 7.6 years; without - 8.0 years sensor mainly activated 10 s - 0.9 years; 100 s - 2.7 years; 1000 s - 3.4 years; without - 3.4 years
Type of installation	flush, in not ferromagnetic material
Ambient temperature	-20 °C ... +65 °C
Switching system	reed contact
Rated switching distance s _n	M 100: 15 mm; M 30 Niro: 30 mm
Hysteresis	< 1 mm
Switching frequency	max. 5 Hz
Standby current	< 2 µA (< 5 µA activated)
Wireless range	SW868/915/917: max. 450 m outdoors, max. 40 m indoors SW922: max. 150 m outdoors, max. 20 m indoors

Errors and omissions excepted.



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Mechanical life	> 1 million operations
Actuating time	min. 80 ms
Note	status signal configurable ex works, transmission of battery voltage and switching condition
Wireless approvals	Europe: RED 2014/53/EU USA: FCC - XK5-RFRXSW915 Canada: IC - 5158A-RFRXSW915 Mexico: IFT - RCPSTRF17-1886 Brazil: ANATEL 04172-18-06718 Japan:  ARIB STD-T108: 204-610002