



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
- RF HS M30 ... : Sensor with Hall sensor - 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

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 61000-4-2, EN 61000-4-20, EN 301 489-1, EN 301 489-3, EN 300 220-1, 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	unused: approx. 10 years used with reed contact: approx. 6 years at 1 actuation per minute used with Hall sensor: approx. 2 years with 1 actuation per minute
Type of installation	flush, in not ferromagnetic material
Ambient temperature	-25 °C ... +65 °C
Switching system	Reed contact MK17, GMR sensor or Hall element
Switching distances	M 100: s _n = 15 mm; M 30 Nirö: s _n = 30 mm
Hysteresis	approx. 1 mm
Current absorption	without transmissions: Reed contact: approx. 1 µA; GMR sensor: <5 µA; Hall sensor: <10 µA
Wireless range	SW868/915/917: max. 450 m outside, max. 40 m inside SW922: max. 150 m outside, max. 20 m inside
Mechanical life	> 1 million operations

Errors and omissions excepted.



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Actuating time	min. 80 ms
Note	status signal configurable ex works; transmission of battery voltage
Wireless approvals	Europe: RED 2014/53/EU USA: FCC Part 15.247: XK5-RF Rx SW915 Canada: IC RSS-210: 5158A-RF Rx SW 915 Mexico: IFT - RCPSTRF17-1886 Brazil: ANATEL 04172-18-06718 Japan:  ARIB STD-T108: 204-610002

Ordering details



Stainless steel enclosure, Reed contact

Reed contact

Type	Material no.
RF RC M30 SW868 NIRO	1363715
RF RC M30 SW868 NIRO LBT	1253855
RF RC M30 SW915 NIRO	1364786
RF RC M30 SW917 NIRO	1486388
RF RC M30 SW922 NIRO LBT	1423350



Thermoplastic enclosure, Reed contact

Reed contact

Type	Material no.
RF RC M30 SW868 KST	1349227
RF RC M30 SW868 KST LBT	1461826
RF RC M30 SW915 KST	1362227
RF RC M30 SW917 KST	1248972
RF RC M30 SW922 KST LBT	1372330

Actuators



M 30 Niros 11265

Type
M 30 Niros

Material no.
1189024

Errors and omissions excepted.



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Actuators



M 100 N 13026

Type
M 100 N

Material no.
1042609