

ASAIR

Magnetic/Reed Proximity Switches



Product Model: RPS-C200K

1. Product Features

- Structure, installation methods, performance parameters, etc. can be designed according to customers' requirement.
- Small volume, simple structure, light weight, low price
- Sensitive action, stable and reliable performance
- Good corrosion resistance and long service life

2. Application scenarios

- positioning, safety monitoring and protection
- monitoring of opening and closing covers and pressure rise of electric pressure cookers
- liquid level monitoring of soybean milk machine and foot bath
- control for door lamp in refrigerator

3. Working principle

Magnetic/Reed Proximity Switch is mainly composed of inductor and trigger. The sensor part is finalized and packed by connecting the reed through lead wire. The trigger part can be a magnet with corresponding magnetic field strength encapsulated in a plastic or alloy shell, or an energized coil. The switch uses the physical effect of the reed in the inductor on the magnetic induction of the magnetic field to control the on-off of the circuit.

4. Performance parameter

Suitable operating temp.	ABS: -30℃~+80℃/PA66: -30℃~+130℃	
Action distance	1mm(Min)~30mm(Max)	
Installation mode	Tight fit installation	
Switch type	K (Normally open) /B (Normally closed)	
Max switching power	10W	Weak current
Max switching voltage (DC)	200V	
Max switching current (DC)	0.5A	
Max load current	1.0A	
Min breakdown voltage	DC250V	
Electrical life	10 ⁸	
Max contact resistance	200m Ω (Excluding wire resistance)	
Remark	Can be designed according to customers' requirement	