Slot magnetic reed sensor
RMS20-PS

Slot magnetic reed sensor

Product Characteristics

- Can be tested in a non-contact manner, so there will be no wear or damage to the tested object
- Adopting contactless output mode, thus extending service life
- Unlike light detection, it is suitable for use in environments such as water and oil
- Almost unaffected by stains, oil, water, etc. of the tested object during testing
- Compared to contact switches, it can achieve high-speed response

Product Function

- Contactless induction operation mode, without mechanical movement, directly installed in the original overload switch position without changing the elevator structure;
- Adopting high-strength induction magnets to maximize the system's anti-interference ability;
- Electrical performance meets the "IEC" standard;
- Accurate positioning, small size, and convenient installation and debugging.

Model	RMS20-PS-A60	RMS20-PS-A10	RMS20-PS-A20	Customized
Standards	IEC/EN 60947-5-2	IEC/EN 60947-5-2	IEC/EN 60947-5-2	IEC/EN 60947-5-2
Enclosure	Glass-fibre PA	Glass-fibre PA	Glass-fibre PA	Glass-fibre PA
Operating principle	Magnetic	Magnetic	Magnetic	Magnetic
Contact variants	NO	NO	NO	NO
Switching voltage	Max.140VAC	Max.230VAC	Max.150VAC	–
Switching current	Max.1A	Max.0.5A	Max.1A	–
Switching capacity	Max.60VA/W	Max.10VA/W	Max.20VA/W	–
Dielectric strength	250V	400V	200V	–
Switching speed	Max.4ms	Max.2ms	Max.2ms	–
Switching frequency	<500Hz	<500Hz	<500Hz	–
Switching time"closing"	0.15ms	0.1ms	0.02ms	–
Switching time"opening"	4ms	2ms	2ms	–
Bounce time	0.5ms	0.5ms	0.6ms	–
Ambient temperature	−20~+60℃	−20~+60℃	−20~+60℃	−20~+60℃
Mechanical life	Min.10^8	Min.10^8	Min.10^8	Min.10^8
Electrical life	1million-1 billion	1million-1 billion	1million-1 billion	1million-1 billion
Repeatability	±0.25mm	±0.25mm	±0.25mm	±0.25mm
Protection class	IP67-EN60529	IP67-EN60529	IP67-EN60529	IP67-EN60529
Dimensions	70×70×60mm	70×70×60mm	70×70×60mm	70×70×60mm
Slot opening	20mm	20mm	20mm	20mm
Cable length	2m(standard)	2m(standard)	2m(standard)	2m(standard)

Model	RMS20-PS-C60	RMS20-PS-C10	RMS20-PS-B60	RMS20-PS-B10
Standards	IEC/EN 60947-5-2	IEC/EN 60947-5-2	IEC/EN 60947-5-2	IEC/EN 60947-5-2
Enclosure	Glass-fibre PA	Glass-fibre PA	Glass-fibre PA	Glass-fibre PA
Operating principle	Magnetic	Magnetic	Magnetic	Magnetic
Contact variants	NC	NC	BI	BI
Switching voltage	Max.140VAC	Max.230VAC	Max.140VAC	Max.230VAC
Switching current	Max.1A	Max.0.5A	Max.1A	Max.0.5A
Switching capacity	Max.60VA/W	Max.10VA/W	Max.60VA/W	Max.10VA/W
Dielectric strength	250V	400V	250V	400V
Switching speed	Max.4ms	Max.2ms	Max.4ms	Max.2ms
Switching frequency	<500Hz	<500Hz	<500Hz	<500Hz
Switching time"closing"	0.15ms	0.1ms	0.15ms	0.1ms
Switching time"opening"	4ms	2ms	4ms	2ms
Bounce time	0.5ms	0.5ms	0.5ms	0.5ms
Ambient temperature	−20~+60℃	−20~+60℃	−20~+60℃	−20~+60℃
Mechanical life	Min.10^8	Min.10^8	Min.10^8	Min.10^8
Electrical life	1million-1 billion	1million-1 billion	1million-1 billion	1million-1 billion
Repeatability	±0.25mm	±0.25mm	±0.25mm	±0.25mm
Protection class	IP67-EN60529	IP67-EN60529	IP67-EN60529	IP67-EN60529
Dimensions	70×70×60mm	70×70×60mm	70×70×60mm	70×70×60mm
Slot opening	20mm	20mm	20mm	20mm
Cable length	2m(standard)	2m(standard)	2m(standard)	2m(standard)