



Magnetic sensor

RC 23 1S - 2m -60°C ... +100°C IP69K Extreme

Material number: 1188642 (Material number old: 22329208)

Features/Options

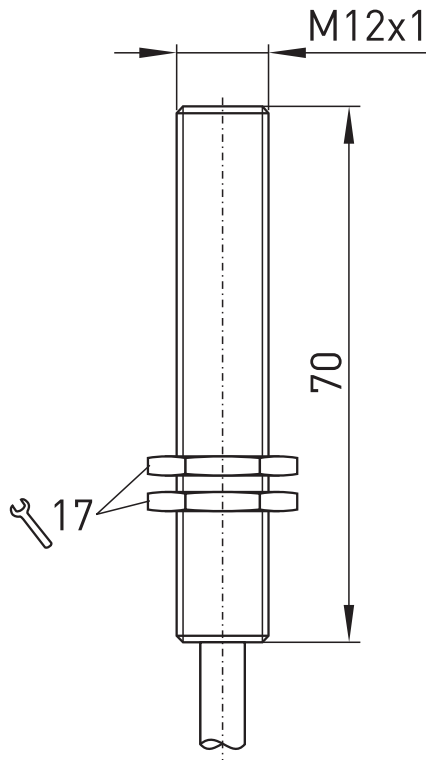
- Temperature resistant from -60 °C to +100 °C
- High degree of protection IP 69K
- Metal enclosure
- M12 x 1 thread
- Long life

- 1 Reed contact
- Actuation from front and from side
- Switching distance up to 30 mm depending on the actuating magnet
- With pre-wired cable
- Temperature resistant cable

Notes

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

Dimensions



Technical data

Standards	EN 60947-5-1
Enclosure	brass, nicked
Actuator	series M permanent magnet
Degree of protection	IP 66, 67 or 69K to IEC/EN 60529
Contact material	Rhodium
Switching system	reed contacts
Switching elements	NO contact
Connection	pre-wired cable, Silicone SIHF
Cable cross-section	2 x 0.75 mm ²
Cable length	2 m
Switching voltage	max. 90 VAC/125 VDC
Switching current	max. 1 A
Switching capacity	max. 30 W
Switching frequency	max. 100 Hz
Ambient temperature	-60 °C ... +100 °C
Mechanical life	10 ⁹ operations
Electrical life	10 ⁹ operations
Repeatability	± 0.02 mm
Vibration resistance	20 g
Approvals	ERC
Weight	150 g

Errors and omissions excepted.

Contact diagram





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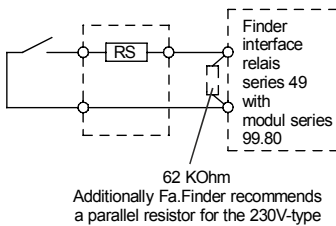
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Directive for the protection of reed contacts

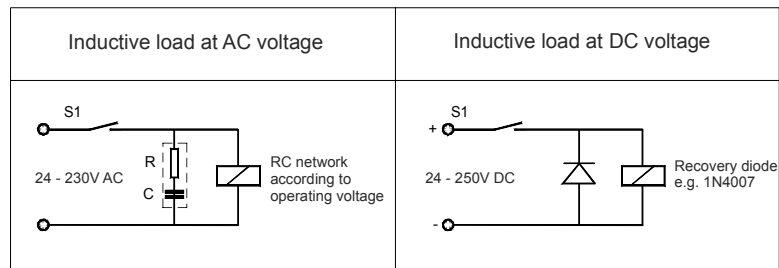
With unknown input currents, input capacitances we recommend the interposing of an interface relays. When using Finderrelais series 49, in the following you will find some proposals to protect the reed contact against overload.

coil voltage	serial resistor Rs
24 VDC	27 Ohm
24 VAC	39 Ohm
230 VAC	330 Ohm / 0.6 W

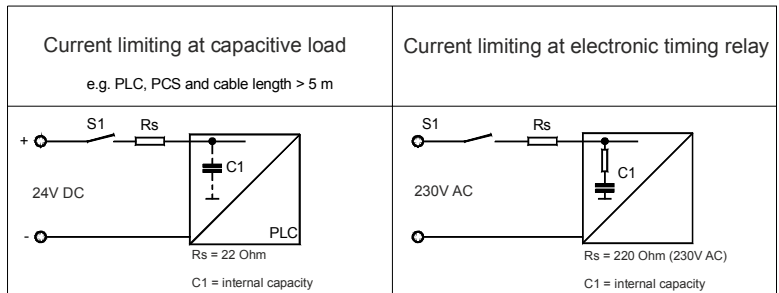
Due to the cable capacitances it is necessary to place the series resistors as near as possible to the reed contact, in general the next terminal point (junction box)



Inductive load:



Capacitive load, cable length more than 5m or connection to process control system with capacitive input:



It is to observe the electrical data (switching voltage, switching current, switching capacity)